

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 1

Special Permit Conditions (list):

The operator shall not impact the 0.27 acre of vegetation that was allowed to remain in 1997. All removal shall be done by hand operated tools.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 87, 88; Riparian herb and reedbed vegetation in area maintained; Invasives not a problem.

Name of Biological Monitor: Steve Mann

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 97, 98; Willows

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morin

Date: January 22, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 2

Special Permit Conditions (list):

Operator shall not impact the 0.39 acre of vegetation allowed to remain in 1997. Hand clearing only. Width of debris shall not exceed 20 ft. Water trees with DBH of 3 inches or greater shall not be removed.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 94, 95, 96; Riparian herb and shrub vegetation in area maintained; Variety of ornamental vegetation present, most not a problem but some ground cover are invasive.

Name of Biological Monitor: Ken Mouch

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 101, 102, 103; Willows and Sycamores, but also some ornamental trees and shrubs.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Ken G. Mouch

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 3

Special Permit Conditions (list):

Hard clearing only.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 85, 86; Ruderal vegetation dominates the area maintained;
Invasives not a problem.

Name of Biological Monitor: Steve Moul

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 95, 96; Eucalyptus and Coast Line Oaks.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Kevin G. Moul

Date: January 22, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 4

Special Permit Conditions (list):

No special permit conditions pertain to this reach.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 83,84; Riparian herb including willows and suberul vegetation; invasives not a problem.

Name of Biological Monitor: Ken Mark

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 93,94; Mill of ornamental and native trees and shrubs outside channel; invasives not a problem.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Mark

Date: January 27, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 5

Special Permit Conditions (list):

Hard clearing only. Exotics shall be removed during maintenance activities. The vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 75, 76, 77; Riparian herb dominated by cattails in area maintained; invasives not a problem.

Name of Biological Monitor: Steve Morse

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 81, 82, 83; Willow riparian.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steve G. Morse

Date: January 22, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 6

Special Permit Conditions (list):

Hand clearing only. Exotics shall be removed. Vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 73, 74; Riparian herb, Willow branches, and ruderal vegetation in area maintained; Invasives not a problem.

Name of Biological Monitor: Steven Mark

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 84, 85; Willows, Coast live oak, and some ornamental vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Mark

Date: January 72, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
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Reach Number: 7

Special Permit Conditions (list):

The ACOE Bull Creek restoration activities that began in 2008
changed conditions at this reach and no clearing work has been
performed since that time.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photo 66; Slopes of reach now rip-rap with some willows and
ruderal and riparian vegetation - channel bottom has water and is
essentially unvegetated.

Name of Biological Monitor: Steve Morik

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photo 78;

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Maintenance activities are expected to occur in future, but
maintenance plan language needs to be revised for new circumstances
of this reach.

Name of Biological Monitor: Steven G. Morik

Date: January 22, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Reach Number: 8

Special Permit Conditions (list):

Hand clearing only.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 71, 72; Riparian herb and ruderal vegetation in area maintained. Invasives not a problem.

Name of Biological Monitor: Steve Morley

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 79, 80; No vegetation allowed to remain in channel- adjacent ornamental trees "overhang" the reach somewhat.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morley

Date: January 22, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Biological Resources Monitoring Form

Reach Number: 9

Special Permit Conditions (list):

Hand clearing only. impacts shall not exceed 0.12 acre.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 33, 34; Some residual vegetation in area maintained; shrubs not a problem.

Name of Biological Monitor: Steve Mounk

Date: August 23, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 86, 87; Non-native Ash Trees.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steve G. Mounk

Date: January 22, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
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Reach Number: 10

Special Permit Conditions (list):

No work done in 1997. Operator shall not impact the 2.11 acres of
Vegetation allowed to remain in 1997. (It was left alone due to a
Toxic spill).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)
Photos 67, 68, 69, 70; Riparian herb and ruderal vegetation in area
maintained; Washington Palm growing in rip-rap as well as some ornamental
Trees. Some Castor Bean observed.

Name of Biological Monitor: Steve Mow

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.
Photos 74, 75, 76, 77; All vegetation removed (there is no
protected vegetation in this reach, such as old willows, etc.).

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

I recommend to continue to

Problems or Recommendations (if more space is needed continue on the back of this form)

I recommend to continue to clear both sides of channel as
has been done the last three years.

Name of Biological Monitor: Steven G. Mow

Date: January 22, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
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Reach Number: 12

Special Permit Conditions (list):

Hand clearing only. Special permit conditions issued on 12/19/03 apply to this reach (Santa Ana sucker).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 10, 11, 12, 13; Riparian herb and Nucleol vegetation in area maintained; tree-of-heaven and arundo present.

Name of Biological Monitor: Brian Daniels Date: Aug 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 1, 2, 3, 4; willows and cottonwoods (one large w. Man was lost in December 2011 wind event).

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Jan 17, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Biological Resources Monitoring Form

Reach Number: 13

Special Permit Conditions (list):

No special permit conditions apply to this reach. (NOTE: This reach is labeled as Santa Ana Swales despite annual fish survey results that find no potential habitat).

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 52, 53; Primarily riparian vegetation in area maintained but sparse riparian herb at outlet. Invasives not a problem.

Name of Biological Monitor: Steve Mowb

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 24, 25; Alluvial Sage Scrub Vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Mar G. Mowb

Date: January 18, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Biological Resources Monitoring Form

Reach Number: 14

Special Permit Conditions (list):

Operator shall not impact the 0.5 acre of vegetation allowed to remain in 1997. (This reach has supported least Bell's vireo activity including nesting since 2005.)

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 7, 8, 9; one-year old w. grass and minimal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 1, 2, 3; willows, mule fat, and ornamental trees.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Dec 10, 2012

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 15

Special Permit Conditions (list):

Operators shall not impact the 0.01 acre vegetation allowed
to remain in 1997.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 78, 79, 80, 81, 82; Riparian herbs and ruderal vegetation in area
maintained; invasives not a problem.

Name of Biological Monitor: Steve Mark

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 88, 89, 90, 91, 92; No vegetation allowed to remain in
channel except small patch (0.01 acre) at downstream
terminus of reach.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Recommend alternating removal of downstream patch so that
it doesn't become stagnant with trash and invasives similar
to previous protected patch.

Name of Biological Monitor: Steven G. Mark

Date: January 22, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
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Biological Resources Monitoring Form

Reach Number: 16

Special Permit Conditions (list):

Hand clearing only. impacts shall not exceed 0.07 acre.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 35, 36; Ruberal Vegetation in area maintained. Invasives not a problem.

Name of Biological Monitor: Karen Mann

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 22, 23; oak woodland at upstream end of Reach.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Stann G. Mork

Date: January 18, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
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Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 17

Special Permit Conditions (list):

Hand clearing only. dumps shall not exceed 0.14 acres.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 40, 41, 42; Ornamental ground cover in area maintained. Invasives not a problem.

Name of Biological Monitor: Steve Morris

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 19, 20, 21; Oak woodland, ornamental vegetation of adjacent homes.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steve G. Morris

Date: January 18, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
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Biological Resources Monitoring Form

Reach Number: 18

Special Permit Conditions (list):

Hand clearing only.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 37, 38, 39; Riparian vegetation and an oak branch in area maintained. Tree-of-Heaven on right bank just W/S of entrance bridge to Camp Max Strauss.

Name of Biological Monitor: Steve Morris

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 16, 17, 18; Chaparral, Coast Live oaks, and ornamental vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morris

Date: January 18, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Biological Resources Monitoring Form

Reach Number: 19

Special Permit Conditions (list):

Hand clearing only, (Note that current ACOE permit dated Sept 30, 2011, continues to include this reach on list for least Bell's Vireo and Santa Ana Sucker despite experts determining no potential for either of these two species).

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)
Photos 50, 51; Sparsely vegetated area in previous years cleared this channel reach. Invasives not a problem.

Name of Biological Monitor: Alan Mank

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 7, 8; Ornamental vegetation and some chaparral and/or alluvial sage scrub on right bank.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Alan G. Mank

Date: January 18, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 20

Special Permit Conditions (list):

disrupts shall not exceed 0.13 acre (115 FT. linear by 50 FT. wide).

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions - (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph); List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 43, 44; un-vegetated in area maintained - channel impacted by recent years' storm flows (landowner's repairs re-contoured channel); Castor Bean just W/S from entrance bridge to upper residence.

Name of Biological Monitor: Steve Mouch

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 11, 12; oak woodland and ornamental vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Mouch

Date: January 18, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Flood Maintenance Division
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Biological Resources Monitoring Form

Reach Number: 21

Special Permit Conditions (list):

Hand cleaning only. deposits shall not exceed 0.03 acre.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 45, 46; Unvegetated area maintained - channel inspected by recent year's storm flows (landowners repairs re-contoured channel); Invasives not a problem.

Name of Biological Monitor: Rene Marsh

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 9, 10; Oak woodland and ornamental vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Marsh

Date: January 18, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Reach Number: 22

Special Permit Conditions (list):

Hard clearing only.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 47, 48, 49; Sparse growth of ruderal vegetation in area maintained. Areas on both sides of bridge cleared due to the reconstruction of bridge. Invasives not a problem.

Name of Biological Monitor: Kere Morris

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 13, 14, 15; Mix of ornamental vegetation from adjacent homes with some chaparral, Sycamores, and oaks.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Alan Co. Mark

Date: January 18, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Biological Resources Monitoring Form

Reach Number: 24

Special Permit Conditions (list):

No special permit conditions pertain to this reach, but the general terms and conditions of the permits apply.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos: 128, 129, 130, 131, 132; Riparian herb and subalpine vegetation in area maintained; Arundo located at the upper end of the reach.

Name of Biological Monitor: Steve Mous

Date: August 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 63, 64, 65, 66, 67; Some reed beds in the middle of low-flow channel and at upstream and downstream ends of channel, but otherwise all vegetation removed.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Mous

Date: January 21, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Biological Resources Monitoring Form

Reach Number: 25

Special Permit Conditions (list):

Operator shall not impact the 9.37 acres of vegetation allowed to remain in 1997. (Note that ACOE removed much of this vegetation in 2000.)

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions - (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 133, 134, 135, 136, 137 (EAST BANK) & 138, 139, 140, 141, 142 (West Bank);
Primarily ruderal growth in area maintained; large sections of Arundo
towards PCH and along the entire West Bank.

Name of Biological Monitor: Steve Mouch

Date: August 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 131, 132, 133, 134, 135 (EAST BANK) & 136, 137, 138, 139, 140 (WEST BANK);
Some small Reed beds towards PCH on edge of West Bank and large willows
on East bank, but otherwise all vegetation removed.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Mouch

Date: February 27,
January 25, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

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Reach Number: 26

Special Permit Conditions (list):

Stand clearing only

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 122, 123, 124, 125, 126, 127; Ruberal, Riparian shrub, and ornamental vegetation in area maintained; Castor Beans at multiple locations along this Reach.

Name of Biological Monitor: Steve Mowbr

Date: August 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 68, 69, 70, 71, 72, 73; Willows and ornamental trees (mostly ash trees).

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Mowbr

Date: January 21, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 27

Special Permit Conditions (list):

Special permit conditions issued on 9/30/10 for Least Bell's Vireo apply to this reach. (Least Bell's Vireo present in 2007 and 2011, but not in 2005 and 2009.)

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 1, 2, 3, 4, 5, 6; riparian herb, ruderal vegetation, and a few one-year old willows in area maintained; water palm rose (non-native species at this location) abundant.

Name of Biological Monitor: Brian Daniels Date: Aug 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 31, 32, 33, 34, 35, 36; willows and ornamental trees (particularly ash and eucalyptus).

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Feb. 15, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 28

Special Permit Conditions (list):

Hand clearing only, operator shall avoid impacts on Southwestern Pond Turtles. Clearing shall not extend beyond area cleared in 1997. No native trees with DBH of 2 inches or greater shall be removed.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 119, 120, 121; Primarily subal vegetation in area maintained, but some riparian ~~at~~ under bridge; dunnage not a problem.

Name of Biological Monitor: Steve Mowbr

Date: August 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 124, 125, 126; Willows.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steve G. Mowbr

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 29

Special Permit Conditions (list):

Hand clearing only. Operator shall avoid impacts to Southwestern Pond Turtle. Operator shall not impact the 0.61 acre of Vegetation allowed to remain in 1997. No native trees of 2 inch or greater DBH shall be removed.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 97, 98, 99; Riparian herb and ruderal vegetation in area maintained. Invasives not a problem.

Name of Biological Monitor: Steve Morth

Date: August 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 107, 108, 109; Willows and grassland/ruderal field.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morth

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 32

Special Permit Conditions (list):

Hand clearing only. No vegetation was allowed to remain in 1997.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 114, 115, 116, 117, 118; Riparian shrub and ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Steve Mowbr

Date: August 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 127, 128, 129, 130; Chaparral, oaks, and some ornamental vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steve G. Mowbr

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 33

Special Permit Conditions (list):

Operator shall avoid vegetation clearing due to sensitive resources.
If any vegetation needs to be cleared during future maintenance
activities, the operator shall provide additional mitigation for these impacts.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)
Photos 105, 106, 107; Willow Riparian Forest and freshwater marsh
habitat in area where no clearing activities had been performed due
to permit restrictions.

Name of Biological Monitor: Steve Morin

Date: August 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 115, 116, 117; No work done.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morin

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 39

Special Permit Conditions (list):

Hand clearing only. Impacts shall not exceed 0.19 acre. No
native trees with DBH of 2 inches or greater shall be removed.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 102, 103, 104; Riparian herb and ruderal vegetation in area
maintained; invasives not a problem.

Name of Biological Monitor: Karen Mous

Date: August 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 112, 113, 114; Willows.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Mous

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 35

Special Permit Conditions (list):

Hand clearing only. Impacts shall not exceed 0.14 acre. No native trees with a DBH of 2 inches or greater shall be removed. (Note that bridge construction in 2006 removed much of the vegetation from this reach).

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 108, 109; Riparian herb and ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Kae Moul

Date: August 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 118, 119; Few shrubs and small trees (olive & sycamore).

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steve G. Moul

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 36

Special Permit Conditions (list):

Hand clearing only. operator shall not impact the 0.05 acre of vegetation allowed to remain in 1997.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 100, 101; Primarily unvegetated in area maintained, but there are hanging willow branches; dunnies not a problem.

Name of Biological Monitor: Steve Moul

Date: August 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 110, 111; Willows.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Moul

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 37

Special Permit Conditions (list):

Vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 110, 111; Riparian herb and shrub vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Steve Moulk

Date: August 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 120, 121; Willows.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Moulk

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 38

Special Permit Conditions (list):

Hard clearing only. Disposal shall not exceed 0.19 acre.
No native trees with a DBH of 2 inches or greater shall be removed.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 112, 113; Riparian shrub and ruderal vegetation in area
maintained; invasives not a problem.

Name of Biological Monitor: Steve Mowb

Date: August 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 122, 123; Willows and Grassland.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Mowb

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 39

Special Permit Conditions (list):

Special permit conditions issued 9/30/10 for Santa Ana sucker and least Bell's vireo apply to this reach. (sucker not yet found but vireo present during 2005, 2007, 2009, and 2011 surveys.)

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 15, 16, 17; cattails, riparian herb, and ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 1, 2, 3; willows, elderberry, milk fat, and alluvial sage scrub vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Feb. 19, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 40a

Special Permit Conditions (list):

Santa Fe Dam to 8-10 Fwy: hand and mechanical clearing 10ft. from base of levee; 75ft. wide area cleaned on alternate (every other) years.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 1, 2, 3, 4, 5; two year old mud flat, some alluvial sage scrub, ruderal vegetation and ornamentals in areas maintained; ornamental trees spreading + some (eucalyptus) getting large.

Name of Biological Monitor: Brian Daniels Date: Aug 31, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 1, 2, 3, 4, 5; one year old mud flat (old root system) dominates the reach, but some mature willows and alluvial sage scrub vegetation also present; ornamental trees.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Remove large eucalyptus trees between Ramona Blvd and Lower Azusa Road.

Name of Biological Monitor: Brian Daniels Date: Feb. 15, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 40b

Special Permit Conditions (list):

I-10 Freeway to Thierces Ave: protect vegetation allowed to remain in 1997/98. Special permit conditions issued on 12/22/03 apply to this reach (Least Bell's vireo).

Observation of Special Status Species: Two singing Least Bell's vireo males present on Aug 31, 2012.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 6, 7, 8; rudereral vegetation dominates areas maintained, but also some young w. Plows (Slynd) present in those areas; castor bean, arundo, and a few ornamental trees.

Name of Biological Monitor: Brian Daniels Date: Aug 31, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 6, 7, 8; w. Plows and mule fat; some arundo left behind this year but it's a small amount since the longdon land has done such an effective job at removing arundo since 1997/98.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

The houseless are destroying willows in the protected polygons of riparian vegetation. Always present, but have substantially increased in numbers during past couple years.

Name of Biological Monitor: Brian Daniels Date: Feb. 15, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 41

Special Permit Conditions (list):

No special permit conditions pertain to this reach.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 60, 61, 62; Riparian herb and ruderal vegetation in area maintained.

Name of Biological Monitor: Ken Morin

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 1, 2, 3; Willows

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Ken G. Morin

Date: January 17, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 42

Special Permit Conditions (list):

No special permit conditions pertain to this reach.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 63, 64, 65; Riparian herb and subalpine vegetation in area maintained.

Name of Biological Monitor: Steve Moul

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 4, 5, 6; Willows

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Ken G. Moul

Date: January 17, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 43

Special Permit Conditions (list):

Maintenance shall not go beyond areas cleared in 1997; vegetation allowed to remain in 1997/98 shall not be impacted by future maintenance activities. Special permit conditions issued on 9/30/10 for least Bell's vireo apply to this reach.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 11, 12, 13, 14, 15, 16, 17, 18; mostly ruderal vegetation in areas maintained, but also some young willows (<1yr. old); arundo present.

Name of Biological Monitor: Brian Daniels

Date: Aug 31, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 9, 10, 11, 12, 13, 14, 15, 16; willows, willow fast, few cottonwoods, and ornamental trees and shrubs; arundo removed.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Feb 15, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 44

Special Permit Conditions (list):

Maintenance activities shall not go beyond areas cleaned in 1997/98. Vegetation allowed to remain in 1997/98 shall not be impacted by future maintenance activities.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30; primarily ruderal vegetation in areas maintained but also some willows (<1yr. old), riparian herb, and cattails; castor bean and some arundo.

Name of Biological Monitor: Brian Daniels Date: Aug 31, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28; willows, milk feet, and small amounts of ornamental trees and shrubs.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Feb. 15, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 45

Special Permit Conditions (list):

Impacts shall not exceed 0.05 acre. No native trees with a 2 inch or greater DBH shall be removed. (Note that this reach does not have potential habitat for least Bell's vireo or Santa Ana sucker and should not be included as such on ACOE Sept. 30, 2010 permit.)

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 3, 4; some dried ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 3, 4; one coast live oak and sage scrub vegetation

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 46

Special Permit Conditions (list):

Impacts shall not exceed 0.06 acre. No native trees with a 2 inch or greater DBH shall be removed.

Observation of Special Status Species: None Observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 1, 2; cattails and some ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 1, 2; pine tree, cattails, and a Washingtonia palm at downstream end of reach.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 47

Special Permit Conditions (list):

Clearing shall not occur more than 20ft. beyond toe of levee.
Special permit conditions issued on 12/9/03 apply to this
reach (stickleback).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 16, 17, 18, 19; sparse growth of ruderal vegetation
in area maintained except for side outlets where some
young riparian growth has occurred; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 29, 2013

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 19, 20, 21, 22; sparse alluvial sage scrub with scattered
wilows and cottonwoods.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 48

Special Permit Conditions (list):

No special permit conditions apply to this reach.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 7, 8; riparian herb and ruderal vegetation in area maintained; some arundo.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 6, 7; mostly ornamental trees and shrubs in adjacent backyards, but a few native riparian species (willows and milk fat) also present.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 50

Special Permit Conditions (list):

No special permit conditions apply to this reach.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 5, 11; sparse growth of ruderal vegetation in areas maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 10, 11; unvegetated except for some ornamental pines at top of left bank.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 51

Special Permit Conditions (list):

Clearing shall not occur more than 20ft. beyond toe of levee.
Special permit conditions issued on 12/9/03 pertain to
this reach (stickleback).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 20, 21; sparse growth of ruderal vegetation in
area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 20, 21; alluvial sage scrub

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 52

Special Permit Conditions (list):

Hand clearing only. Impacts shall not exceed 0.04 acre.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photo 6; Ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photo 5; unvegetated banks.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 53

Special Permit Conditions (list):

no special permit conditions apply to this reach.

Observation of Special Status Species: none observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)
Photos 14, 15; cattails and reedbed vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.
Photos 12, 13; unvegetated

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 54

Special Permit Conditions (list):

Impacts shall not exceed 0.31 acre. Special permit conditions issued on 12/19/03 apply to this reach (stickleback).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 23, 24; residual vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 23, 24; Great Basin sagebrush, mule fat, cottonwood, and eucalyptus.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 55

Special Permit Conditions (list):

Clearing shall not occur more than 20ft. beyond toe of levee.
Special permit conditions issued on 12/19/03 apply to
this reach (Stickleback).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)
Photos 22, 26; sparse growth of ruderal vegetation in
area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.
Photos 22, 26; alluvial sage scrub

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 56 ("left bank reach")

Special Permit Conditions (list):

Clearing shall not occur more than 20 ft. beyond toe of levee.
Special permit conditions issued on 12/9/03 apply to this
reach (strikeback).

Observation of Special Status Species: none observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 25, 28, 29; willows, mule fat, and cactus (Opuntia), but
mostly unvegetated at toe of levee; invasives not a
problem.

Name of Biological Monitor: Brian Daniels Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 25, 27, 28; willows, mule fat, and cactus at toe
of levee remain; alluvial sage scrub in center of channel
adjacent to maintenance areas at toe of levee.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 57

Special Permit Conditions (list):

Vegetation allowed to remain in 1997/98 shall not be impacted by future maintenance activities.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 12, 13; unvegetated wash in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 12, 19; mule fat, cottonwoods, and ornamentals on left bank.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 58

Special Permit Conditions (list):

Clearing shall not extend more than 20ft. beyond toe of levee. Special permit conditions issued on 12/9/03 apply to this reach (stickleback).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 27, 30, 31; sparse growth of ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 29, 30, 31; alluvial sage scrub, willows, and cottonwoods.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 59

Special Permit Conditions (list):

Clearing shall not extend more than 20ft. beyond toe of levee. Special permit conditions issued on 12/19/03 apply to this reach (strut/deck).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 32, 33; primarily unvegetated in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 32, 34; alluvial sage scrub.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 60

Special Permit Conditions (list):

Clearing shall not extend more than 20 ft. beyond toe of level. Special permit conditions issued on 12/9/03 apply to this reach (stickleback).

Observation of Special Status Species: none observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 34, 35, 36; sparse growth of ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 35, 36, 37; alluvial sage scrub, and willows at downstream terminus of reach.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 61

Special Permit Conditions (list):

Clearing shall not occur more than 20ft. beyond toe of levee.
Special permit conditions issued on 12/19/03 apply to
this reach (stickleback).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 37, 38, 39; mostly unvegetated in area maintained;
invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 38, 39, 40; annual sage scrub

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 62

Special Permit Conditions (list):

Clearing shall not extend more than 20ft. beyond toe of levee. Special permit conditions issued on 12/9/03 apply to this reach (stubbleback).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 40, 41, 42; mostly unvegetated in areas maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 41, 42, 43; alluvial sage scrub and cottonwoods.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: _____

Date: _____

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 63

Special Permit Conditions (list):

Impacts shall not exceed 0.25 acre.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 43, 44; cattails and ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 44, 45; unvegetated.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 64

Special Permit Conditions (list):

Impacts shall not exceed 0.10 acre.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)
Photos 45, 46; ruderal vegetation in area maintained; invasives not a problem

Name of Biological Monitor: Brian Daniels Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.
Photos 46, 47; mule fat, cottonwoods, and ornamental tree.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 66

Special Permit Conditions (list):

Clearing shall not extend more than 20 Ft. beyond toe of levee. Special permit conditions issued on 12/9/03 apply to this reach (strikeback)

Observation of Special Status Species: none observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 47, 48; sparse growth of ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 48, 49; mule fat and cottonwoods.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 30, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 67

Special Permit Conditions (list):

Vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities. Special permit conditions issued on 12/9/03 for stickleback apply (stickleback present in 2005-07).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 30, 31, 32; riparian vegetation including young willows and cottonwoods (1 yr. old on right side chnl / 2 yr. old left side chnl) and riparian vegetation in area maintained; some tamarisk

Name of Biological Monitor: Brian Daniels Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 25, 26, 27; NO WORK DONE - stickleback present downstream in Reach 69 prevented access to this reach.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Obtain incidental take permit for stickleback that has similar terms and conditions that are included in the Biological Opinion dated Oct. 21, 2004, for Santa Clara River Reaches 71 and 82. This take permit should be included in the long-term permit for soft-bottom channels.

Name of Biological Monitor: Brian Daniels Date: Feb 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 69

Special Permit Conditions (list):

Vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities. Special permit conditions issued on 12/19/03 for stickleback apply (stickleback present 2005-07).

Observation of Special Status Species: Unarmored Three-spine Stickleback found in 2012 pre-clearing surveys.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 33, 34, 35; riparian vegetation including young willows and cottonwoods (1yr. old right side chnl / 2yr. old left side chnl) and ruderal vegetation in area maintained; some tamarisk

Name of Biological Monitor: Brian Daniels Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 28, 29, 30; NO WORK DONE - stickleback detected during this year's pre-clearing surveys.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Obtain incidental take permit for stickleback with similar terms and conditions included in the Biological Opinion rendered on Oct. 21, 2004 for the Santa Clara River Reaches 71 and 72. This take permit should be included in the long-term permit for soft-bottom channels.

Name of Biological Monitor: _____ Date: _____

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 70

Special Permit Conditions (list):

Vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities. Special permit conditions issued on 12/19/03 apply to this reach (stickleback).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 26, 27, 28, 29; mostly unvegetated wash but some ruderal vegetation; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 21, 22, 23, 24; alluvial sage scrub at upstream end of reach.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Feb 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 71

Special Permit Conditions (list):

Clearing shall not occur more than 20ft. beyond toe of levee. Vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities. The terms and conditions of the Oct 21, 2004 Biological Opinion for arroyo towed and strikeback apply to this reach.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 5, 6; unvegetated in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 5, 6; mule fat, willows, cottonwoods.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Feb. 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 72

Special Permit Conditions (list):

No special permit conditions apply to this reach.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 54, 55; riparian herb including young willows (<1yr old) and ruderal vegetation in areas maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 1, 2; willows

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Feb. 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 73

Special Permit Conditions (list):

Impacts shall not exceed 0.05 acre.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 49, 50; non-native grass and ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 34, 35; non-native grass & fences.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Feb. 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 74

Special Permit Conditions (list):

Impacts shall not exceed 0.02 acre.

Observation of Special Status Species: none observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 51, 52, 53; mostly unvegetated in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 29, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 36, 37, 38; coast live oaks and ornamental (ivy) vegetation

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Feb. 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 75 (Lyons Ave. to Orchard Village Dr.)

Special Permit Conditions (list):

Vegetation (15.37 acres) allowed to remain in 1997 shall not be impacted by future maintenance activities. (No vegetation allowed to remain in this upper section of Reach 75.)

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 22, 23; riparian herb including cattails, sapling willows (5 yr. old), and ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 3, 4; no vegetation allowed to remain in this section of the channel reach.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Feb. 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 75 (Orchard Village Drive to Magic Mtn. Pkwy)

Special Permit Conditions (list):

Vegetation (15.37 acres) allowed to remain in 1997 shall not be impacted by future maintenance activities. (The protected 15.37 acres of vegetation is in this lower section of the reach.)

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 13, 14, 15, 16, 17, 18, 19, 20, 21; ruderal vegetation in area maintained, but mostly un-vegetated; invasives not a problem.

Name of Biological Monitor: Brian Daniels Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 12, 13, 14, 15, 16, 17, 18, 19, 20; mule fat, willows, cottonwoods, Great Basin sagebrush, and alluvial sage scrub vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels Date: Feb 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 76

Special Permit Conditions (list):

No special permit conditions listed for this reach, but general conditions and measures of permits apply.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 1, 2, 3; Riparian herb and sedge vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Steve Morris

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 32, 33, 34; All vegetation removed from channel.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steve G. Morris

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 77

Special Permit Conditions (list):

Vegetation (0.89 acre) allowed to remain in 1997 shall not be impacted by future maintenance activities. (Note that this Reach has no potential for Least Bell's Vireo and/or Santa Ana Sucker and should not be included as such on ACOE SEPT. 30 2010 PERMIT.)

Observation of Special Status Species: none observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 4, 5; Primarily unvegetated in area maintained, but a few ruderal species are present; invasives not a problem.

Name of Biological Monitor: Steve Morris

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 35, 36; Some Allennial Sage Scrub Vegetation at downstream end of Reach (at confluence with Placentia Creek - Reach 78), but otherwise bare dirt.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Alan G. Marshall

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 78

Special Permit Conditions (list):

Vegetation (0.01 acre) allowed to remain in 1997 shall not be impacted by future maintenance activities (Note this reach has no potential for West Bank Vines and/or Santa Ana Suckers and should not be included as such on ACOE Sept. 30, 2010 Permit.)

Observation of Special Status Species: none observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 6, 7; Primarily unvegetated in area maintained, but a few ruderal species present; invasives not a problem.

Name of Biological Monitor: Steve Morris

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 37, 38; Alluvial Sage Scrub Vegetation on banks.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steve G. Morris

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 79

Special Permit Conditions (list):

Vegetation allowed to remain in 1977 shall not be impacted by future maintenance activities. Special permit conditions issued on 12/9/03 apply to this reach (stickleback - but only downstream of the drop structure under the bridge.)

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 10, 11, 12; riparian herb including young willows (5 yr. old) and ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 9, 10, 11; mud flat and willows

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Feb 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 80

Special Permit Conditions (list):

Clearing shall not occur more than 20 ft. beyond toe of levee. The vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities. Special permit conditions issued on 12/19/03 apply to this reach (Stilleback).

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 7, 8, 9, 10; sparse growth of ruderal vegetation in area maintained; invasives not a problem

Name of Biological Monitor: Brian Daniels

Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 7, 8, 9, 10; mule fat, willows, Great Basin sage brush, and cottonwoods.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Feb 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 82

Special Permit Conditions (list):

Clearing shall not occur more than 20ft. beyond top of levee. Vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities. The terms and conditions of the Oct 21, 2004 Biological Opinion for Arroyo Road and stickleback apply to this reach.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 24, 25, 26; riparian herb including cattails at side outlet, but mostly ruderal vegetation in area maintained; some arundo

Name of Biological Monitor: Brian Daniels

Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 31, 32, 33; willows, cottonwoods, mule fat, and ruderal vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Feb. 11, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 86

Special Permit Conditions (list):

Vegetation allowed to remain in 1997 shall not be impacted by future maintenance activities. Special Permit Conditions issued on 12/9/03 apply to this Reach. (STottleback).

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)
Photos 8, 9, 10; Sparse growth of reedbed vegetation in low-flow channel. Invasives not a problem.

Name of Biological Monitor: Alan G. Maut

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.
Photos 39, 40, 41; Willows and Cottonwoods in Castaic Creek at downstream end of Reach.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morris

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 87

Special Permit Conditions (list):

Special permit conditions issued on 12/9/03 apply to this reach.
(Stickleback - Present in 2005, but not since).

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 14, 15; Primarily herb and ruderal vegetation in area maintained;
invasives not a problem.

Name of Biological Monitor: Ken Morin

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 45, 46; Willows.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morin

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 88

Special Permit Conditions (list):

clearcuts shall not exceed 0.42 acre (1085 Linear FT. by 17 FT wide).
Note that this Reach has no potential for Least Bell's Vireo and/or
Santa Ana Sucker and should not be included as such on ACOE Sept. 30, 2012 Permit.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 20, 21; Sparse growth of ruderal vegetation in area maintained;
chrysothamnus not a problem.

Name of Biological Monitor: Alan Mark

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 61, 62; Sage scrub/Alluvial Sage Scrub.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morris

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 89

Special Permit Conditions (list):

Vegetation (0.02 acre) allowed to remain in 1997 shall not be impacted by future maintenance activities. (Note that this reach has no potential for least Bell's Vireo and/or Santa Ana Sucker and should not be included as such on ACOE Sept. 30, 2012 permit).

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photo 16; Very sparse growth of ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Alan Morik

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photo 57; Alluvial Sage Scrub and Ornamental Vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morik

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 90

Special Permit Conditions (list):

Vegetation (0.19 acre) allowed to remain in 1997 shall not be
impacted by future maintenance activities.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 17, 18, 19; Sparse growth of ruderal vegetation in area
maintained; invasives not a problem.

Name of Biological Monitor: Alan Morin

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 58, 59, 60; Alluvial Sage Scrub and/or Inland Sage Scrub,
Oaks.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Asteron G. Morin

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 91

Special Permit Conditions (list):

No special permit conditions apply to this reach, but the general conditions and measures of the permit apply.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 29, 30; Sparse growth of ruderal vegetation in area maintained. Invasives not a problem.

Name of Biological Monitor: Steve Marin

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 53, 54; Some ornamental vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Marin

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 92

Special Permit Conditions (list):

No special permit conditions apply to this reach, but the general conditions and measures of the permits apply. (Note this reach has no potential for Least Bell's Vireo and/or Santa Ana Sucker and should not be included as such on ACOE Sept 30, 2012 Permit)

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 31, 32; Very sparse growth and ruderal vegetation in area maintained. Invasives not a problem.

Name of Biological Monitor: Steve Morin

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 55, 56; Sage Scrub/Alluvial Sage Scrub.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morin

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 93

Special Permit Conditions (list):

No special permit conditions apply to this Reach, but the general conditions and measures of the permits apply.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 26, 27, 28; Sparse growth of residual vegetation in area maintained, otherwise not a problem.

Name of Biological Monitor: Steve Moulton

Date: August 22, 2012.

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 51, 52; Oaks, Chaparral, Ornamental Vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Kevin G. Moulton

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 94

Special Permit Conditions (list):

No special permit conditions listed for this reach, but the general conditions and measures of the permits apply.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)
Photos 22, 23, 24, 25; Very sparse growth of ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Max Morin

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.
Photos 47, 48, 49, 50; Some ornamental and ruderal vegetation and also some Sage brush/Chaparral species present.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morin

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 95

Special Permit Conditions (list):

No special permit conditions listed for this reach.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 1, 2, 3; primarily unvegetated in area marked; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 30, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 5, 6, 7; unvegetated bare dirt

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Jan 17, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 96

Special Permit Conditions (list):

Hand clearing only

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 92, 93; Riparian herb and riparian vegetation obs area maintained; Arundo d/s of bridge.

Name of Biological Monitor: Steve Morse

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 99, 100; Willows, Oaks, and some ornamental vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Morse

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 97

Special Permit Conditions (list):

Operator shall not impact the vegetation (1.17 acres) allowed to remain in 1997. Special permit conditions issued on 12/9/03 apply to this reach (Microbeet present in 2005, but none since.)

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 11, 12, 13; Riparian herb and vascular vegetation in area maintained but increasing. Invasives not a problem.

Name of Biological Monitor: Melissa G. Martin

Date: August 22, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 42, 43, 44; Willows, Cottonwoods, and Mulfat.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Stan G. Martin

Date: January 20, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 93

Special Permit Conditions (list):

Impacts shall not exceed 0.03 acre

Observation of Special Status Species: none observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 18, 19; riparian herb including cat tails and ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Brian Daniels

Date: Aug 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 29, 30; mix of oaks and ornamental vegetation, but also a few willows and sycamores

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Brian Daniels

Date: Feb. 15, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 99

Special Permit Conditions (list):

No special permit conditions pertain to this Reach, but the general conditions and measures of permit apply.

Observation of Special Status Species: None observed.

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)
Photos 54, 55, 56, 57, 58, 59; Riparian herb, ornamental, willow branches, and riparian vegetation in area maintained; Arundo present.

Name of Biological Monitor: Alan Mowbray

Date: August 27, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 26, 27, 28, 29, 30, 31; Mostly ornamental vegetation, but also some oaks, willows, and sycamores; Arundo patch downstream at Kagel Canyon Road bridge.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

If the large Arundo patch downstream at Kagel Canyon Road bridge is not growing on private property, it should be removed.

Name of Biological Monitor: Alan G. Mowbray

Date: January 18, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____

Date: _____

County of Los Angeles Department of Public Works
Flood Maintenance Division
Earth Bottom Channel Program

Biological Resources Monitoring Form

Reach Number: 100

Special Permit Conditions (list):

Although the CDFG Permit lists no specific requirements for this Reach, the general conditions and measures of permits apply.

Observation of Special Status Species: None observed

Pre-Clearing Documentation

Pre-Monitoring Conditions – (briefly describe: Vegetation type, height of trees, invasive present & cover estimate. Attach photograph): List invasives present (Arundo, Castor Bean, Trash, Etc.)

Photos 89, 90, 91; Riparian herb, ornamental, and ruderal vegetation in area maintained; invasives not a problem.

Name of Biological Monitor: Steve Marin

Date: August 28, 2012

Post-Clearing Documentation

Type of vegetation remaining adjacent to removal areas (briefly describe, attach photograph, include arrows to indicate important features). Estimate amount of invasives removed.

Photos 104, 105, 106; Willows, oaks, and some ornamental vegetation.

Compliance with Permit Conditions: Full Partial

If partial compliance is apparent, describe circumstances:

Problems or Recommendations (if more space is needed continue on the back of this form)

Name of Biological Monitor: Steven G. Marin

Date: January 23, 2013

Estimate amount of trash removed (LACODPW to provide): _____

Project Management Reviewed by (name): _____ Date: _____