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**SUBMITTAL TO THE FLOOD CONTROL AND
WATER CONSERVATION DISTRICT BOARD
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

FROM: General Manager-Chief Engineer

SUBMITTAL DATE:
June 14, 2011

SUBJECT: Prado Basin and Vicinity, Including Reach 9 and Stabilization
of the Bluff Toe at Norco Bluffs Project

RECOMMENDED MOTION:

1. Adopt Resolution No. F2011-18 adopting CEQA Findings, Mitigation Measures, and a Statement of Overriding Considerations pursuant to the California Environmental Quality Act (CEQA) for the Prado Basin and Vicinity, Including Reach 9 and Stabilization of the Bluff Toe at Norco Bluffs Project; and

Continued on Page 2.

A handwritten signature of Warren D. Williams in black ink.

JDS:rlp

WARREN D. WILLIAMS
General Manager-Chief Engineer

FINANCIAL DATA	Current F.Y. District Cost: Current F.Y. County Cost: Annual Net District Cost:	N/A N/A N/A	In Current Year Budget: Budget Adjustment: For Fiscal Year:	N/A N/A N/A
SOURCE OF FUNDS: N/A				Positions To Be Deleted Per A-30 <input type="checkbox"/>
				Requires 4/5 Vote <input type="checkbox"/>

C.E.O. RECOMMENDATION:

APPROVE

BY:
Michael R. Shetler

County Executive Office Signature

Consent Policy
 Consent Policy

Dep't Recomm.:
Per Exec. Ofc.:

Prev. Aan. Ref.:

District: 2nd

Agenda Number:

11 . 7

FORM APPROVED
JUN 14 2011
BY: KAREN L. WATTS-BAZAN
COUNSEL

**FLOOD CONTROL AND WATER CONSERVATION DISTRICT BOARD SUBMITTAL
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

SUBJECT: Prado Basin and Vicinity, Including Reach 9 and Stabilization
of the Bluff Toe at Norco Bluffs Project

SUBMITTAL DATE: June 14, 2011

Page 2

RECOMMENDED MOTION (Continued):

2. Consider and approve the Addendum; and
3. Direct the Clerk of the Board to deliver the Notice of Determination to the office of the County Clerk and the State Office of Planning and Research for filing within five (5) working days of this Board hearing.

BACKGROUND:

The proposed Project consists of flood control improvements to Prado Basin and vicinity. The District, as a CEQA responsible agency, and pursuant to previous agreements entered into with the U.S. Army Corps of Engineers (USACE) will be acquiring right-of-way and approving construction within District right-of-way for this Project.

Pursuant to the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA), the County of Orange as the CEQA lead agency and the USACE as the NEPA lead agency have certified the Final Supplemental Environmental Impact Statement/Environmental Impact Report (SEIS/EIR) for the Prado Basin and Vicinity, Including Reach 9 and Stabilization of the Bluff Toe at Norco Bluffs in December 2001. The County of Orange also adopted certain environmental findings and a statement of overriding considerations in connection therewith. District staff has reviewed findings and concurs that the proposed project will result in potentially significant unavoidable impacts upon air quality during construction.

CEQA Guidelines Section 15096, requires the District, as a responsible agency, to consider the SEIS/EIR and make certain findings required by CEQA Guidelines Section 15091 for each significant effect of the project and make a statement of overriding considerations pursuant to Section 15093. As indicated in Resolution F2011-18, the District adopts the required findings, mitigation measures and a statement of overriding considerations in its role as a responsible agency under CEQA.

The USACE in consultation with District staff also prepared a Supplemental Environmental Assessment/CEQA Addendum (Addendum) to the SEIS/EIR dated March, 2011 to address minor technical project changes and demonstrate compliance with the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) for the Santa Ana River Flood Control Project Reach 9, Phase 2A Embankment project. This project is a project within the Prado Basin and Vicinity, Including Reach 9 and Stabilization of the Bluff Toe at Norco Bluffs Project and was previously analyzed in the SEIR/EIR. District Staff has reviewed the final Addendum to the SEIS/EIR and has made the determination that none of the conditions described in Section 15162 of the CEQA Guidelines calling for the preparation of a subsequent EIR have occurred. The Addendum has been prepared pursuant to Section 15164 of the CEQA Guidelines.

FINANCIAL:

N/A

1 Board of Supervisors2 Riverside County Flood Control
3 and Water Conservation District4 **RESOLUTION NO. F2011-18**5 **ADOPTING CEQA FINDINGS, MITIGATION MEASURES, AND A STATEMENT OF
OVERRIDING CONSIDERATIONS FOR THE PRADO BASIN AND VICINITY, INCLUDING
REACH 9 AND STABILIZATION OF THE BLUFF TOE AT NORCO BLUFFS PROJECT**6 WHEREAS, on June 14, 2011, the Board of Supervisors of the Riverside County Flood Control
7 and Water Conservation District (hereinafter referred to as the "Board") met to further consider the
8 environmental impacts of the Prado Basin and Vicinity, including Reach 9 and Stabilization of the Bluff
9 Toe at Norco Bluffs Project (hereinafter referred to as "Project"); and10 WHEREAS, on November 28, 1989, the County of Orange, acting as lead agency under the
11 California Environmental Quality Act (hereinafter referred to as "CEQA") relied on three Supplemental
12 Environmental impact Statements prepared by the U.S. Army Corps of Engineers (hereinafter referred to
13 as "USACE") for the Santa Ana Mainstem Project in 1980, 1985 and 1988 (hereinafter referred to as
14 "FSEIS") in lieu of preparing an Environmental Impact Report and certified the FSEIS and adopted
15 mitigation measures and a statement of overriding considerations; and16 WHEREAS, on December 21, 1989, the Board acting as a responsible agency under CEQA,
17 concurred with the County of Orange, certified the FSEIS, and adopted mitigation measures and a
18 statement of overriding considerations (Resolution No. F89-40); and19 WHEREAS, the USACE, acting as the Federal lead agency and the County of Orange acting as
20 the lead agency under CEQA, subsequently in 2001 prepared a Supplemental Final Environmental Impact
21 Statement/Environmental Impact Report (hereinafter referred to as the "SEIS/EIR") to the FSEIS entitled
22 "Prado Basin and Vicinity, Including the Reach 9 and Stabilization of the Bluff Toe and Norco Bluffs
23 Supplemental Final Environmental Impact Statement-Environmental Impact Report" (SCH No.
24 97071087); and25 WHEREAS, the Santa Ana River Flood Control Project Reach 9, Phase 2A Embankment project
26 is a project within the Project and was analyzed in the SEIS/EIR; and

FOR APPROVAL COUNSEL
 KARIN WATTS-BAZAK
 DATE 12/6/11
 BY KARIN WATTS-BAZAK

1 WHEREAS, on December 19, 2001, the County of Orange adopted Resolution 01-16, certifying
2 the SEIS/EIR and adopting mitigation measures and a statement of overriding considerations; and

3 WHEREAS, pursuant to CEQA, the County of Orange is the lead agency and is responsible for
4 assuring that an adequate environmental analysis of the entire Project has been conducted; and

5 WHEREAS, pursuant to CEQA, the District is acting as a responsible agency for considering the
6 SEIS/EIR determined to be adequate and certified by the County of Orange; and

7 WHEREAS, the USACE and the District, as CEQA lead agency, have prepared a Supplemental
8 Environmental Assessment/CEQA Addendum (hereinafter referred to as "Addendum") to the SEIS/EIR
9 dated March 25, 2011 to address minor technical project changes and demonstrate compliance with the
10 Western Riverside County Multiple Species Habitat Conservation Plan (hereinafter referred to as
11 "MSHCP") specifically for the aforementioned Santa Ana River Flood Control Project Reach 9, Phase 2A
12 Embankment project; and

13 WHEREAS, the District, pursuant to previous agreements with the USACE is responsible for
14 acquiring certain right of way including right of way for the Santa Ana River Flood Control Project Reach
15 9, Phase 2A Embankment project; and

16 WHEREAS, the SEIS/EIR and Addendum, taken together, thoroughly address the environmental
17 effects of the Santa Ana River Flood Control Project Reach 9, Phase 2A Embankment project; and

18 BE IT RESOLVED, FOUND, DETERMINED AND ORDERED by the Board of Supervisors of
19 the Riverside County Flood Control and Water Conservation District, in regular session assembled on
20 June 14, 2011, based upon the evidence and testimony presented on the matter, both written and oral,
21 including the SEIS/EIR and Addendum that:

22 1. The Project is within the scope of the SEIS/EIR and the Addendum, and taken together, the
23 environmental effects of the Project have been adequately addressed in the SEIS/EIR and the Addendum.

24 2. The following potential impacts associated with the Project are not significant:

- 25 - Geology
26 - Noise
27 - Land Use and Recreation

1 3. The following impacts associated with the Project are potentially significant, but will be
2 avoided or substantially reduced to a level of less than significance, by the identified mitigation measures:

3 A. Water Resources and Hydrology

4 Potential Impacts: Sedimentation and turbidity may be caused by construction of
5 flood control improvements within the Project area. Subsequent to construction,
6 dewatering may be necessary to make repairs to the toe protection structure and to
7 install and maintain the flood control structures in the Project area. Dewatering has
8 the potential to increase turbidity within the river channel. Additional potentially
9 significant effects include accidental release of toxic materials from construction
10 vehicles, introduction of herbicide into river water flows, and groundwater
11 contamination. The Board finds that the mitigation measures listed below will
12 reduce the Project's impacts to a less than significant level.

13 Mitigation:

- 14 1. Mitigation measures WR-1 through WR-4, in Section 6 of the Addendum,
15 as described on Exhibit A attached hereto, are hereby incorporated by
16 reference.
17 2. The mitigation measures set forth in the SEIS/EIR, with regards to water
18 quality and hydrology, as described on Exhibit B attached hereto, are
19 hereby incorporated by reference.

20 B. Biological Resources

21 Potential Impacts: The proposed Project will have potentially significant effects on
22 several aspects of biological resources in the Project area. Significant effects that
23 are mitigable to below significance will occur to sensitive wildlife and sensitive
24 habitat types. The following summarizes each potentially significant effect.
25 Construction of the Project will impact the least Bell's vireo and its Critical Habitat,
26 due to: 1) some permanent and some temporary removals of critical habitat
27 (cottonwood-willow riparian, willow-riparian, and riparian scrub); and 2)

1 construction noise, dust generation, and other disturbances. The Project will have
2 potentially significant effects on the Santa Ana sucker during construction, as a
3 result of temporary diversion of the stream channel, which would temporarily
4 displace willow and arundo vegetation. Temporary increases in turbidity and
5 downstream siltation and decreased flow or ponding would result from the
6 construction work. These changes would affect the population of Santa Ana
7 sucker.

8 Cumulative effects of Project construction on wildlife Species of Special
9 Concern and other sensitive wildlife species would be potentially significant in
10 light of the historical loss of habitat (specifically native riparian) throughout the
11 region.

12 Without mitigation, the Project would have potentially significant long term
13 effects on the least Bell's vireo and its Critical Habitat during maintenance and
14 operational activities.

15 The Project may have significant effects on the population of Santa Ana
16 suckers during controlled releases of 30,000 cfs of flood flows through that section
17 of the river. These controlled releases would occur on average once every 83 years.

18 Sensitive habitats will be significantly affected by construction of the
19 Project, including Cottonwood-Willow Riparian Woodland, Willow-Riparian
20 Woodland and Riparian-Scrub/Herbaceous Riparian habitats. Permanent and
21 temporary removals of these habitat types will occur in order to construct the three
22 components of the project.

23 Construction effects on perennial stream habitat would be significant, due to
24 temporary increases in turbidity and downstream siltation, and decreased water
25 flow or ponding from construction activities within the stream channel. These
26 temporary changes would affect aquatic plant and animal populations adapted to
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1 clear, free-flowing river water. The Board finds that the mitigation measures listed
2 below will reduce the Project's impacts to a less than significant level.

3 Mitigation:

- 4 1. Mitigation measures BR-16 through BR-28B and BR-28, in Section 6 of the
5 Addendum, as described on Exhibit A attached hereto, are hereby
6 incorporated by reference.
- 7 2. The mitigation measures set forth in the SEIS/EIR, with regards to
8 Biological Resources, as described on Exhibit B attached hereto, are
9 incorporated by reference.
- 10 3. Mitigation Measures EC-BR-1 through EC-BR-6 in Section 6 of the
11 SEA/CEQA Addendum, as described on Exhibit A attached hereto, are
12 hereby incorporated by reference, which were incorporated into the Project
13 to further reduce Project impacts.

14 C. Cultural Resources

15 Potential Impacts: Buried cultural resources may be encountered during
16 construction of the Project. The Board finds that the mitigation measures listed
17 below will reduce the Project's impacts to a less than significant level.

18 Mitigation:

- 19 1. Mitigation measure EC-CR-1, in Section 6 of the Addendum, as described
20 on Exhibit A attached hereto, are hereby incorporated by reference, was
21 included as an update to mitigation measures in the SEIS/EIR.
- 22 2. The mitigation measures set forth in the SEIS/EIR, with regards to Cultural
23 Resources, as described on Exhibit B attached hereto, are hereby
24 incorporated by reference, except to the extent and as modified by the
25 Addendum attached hereto.

1 BE IT FURTHER RESOLVED by the Board that the following impacts associated with the
2 Project may not be fully mitigated despite the inclusion of all available mitigation measures and requires a
3 statement of overriding considerations:

4 A. Air Quality

5 Potential Impact: The Project would generate daily NOx emission levels during
6 construction substantially above the thresholds set for the South Coast Air Basin (SCAB),
7 and construction would generate levels of PM₁₀ in excess of daily threshold levels. Daily
8 emissions created during construction would be generated by operation of construction
9 equipment, transportation of construction workers and materials both on and off site, and
10 disturbance of soils within the Project area. Therefore, the construction related emission
11 for this pollutant would be significant. The Board further finds that such impacts are of a
12 limited, temporary nature, occurring only during construction, and that specific economic,
13 technical and other considerations make infeasible any other mitigation measures and
14 Project alternatives.

15 Mitigation:

- 16 1. Mitigation measures AQ-1 through AQ-24, in Section 6 of the Addendum, as
17 described on Exhibit A attached hereto, are hereby incorporated by reference.
- 18 2. The mitigation measures set forth in the SEIS/EIR, with regards to Air Quality, as
19 described on Exhibit B attached hereto, are hereby incorporated by reference.
- 20 3. Mitigation Measures EC-AQ-1 through EC-AQ-2 in Section 6 of the Addendum, as
21 described on Exhibit A attached hereto, are hereby incorporated by reference,
22 which were incorporated into the Project to further reduce Project impacts.

23 BE IT FURTHER RESOLVED BY THE BOARD that it has considered and rejected as infeasible
24 the following alternatives identified alternatives in the SEIS/EIR and the Addendum:

25 A. Alternatives Considered but Eliminated. Section 2.4 of the SEIS/EIR describes a number
26 of alternatives to the proposed Project that were considered but subsequently rejected for
27 further evaluation. These alternatives were determined to be infeasible, would not meet

the purpose and need of the Project and the Project objectives, and/or would have increased environmental impacts compared to the preferred Project alternatives. For these reasons, the Board hereby rejects the alternative flood protection designs that were considered in the SEIS/EIR.

B. Alternative C2 SEIS/EIR: Reach 9 No Action/No Project (Phase II GDM Improvements).

Implementation of the No Action/No Project Alternative, as described in the SEIS/EIR would only result in the construction of those flood control features previously authorized. For Reach 9 of the Santa Ana River, the only previously authorized feature is the Green River Mobile Home Park levee. The preferred Project consists of flood protection work in Reach 9 Phase 2A. When compared to the preferred Project alternative, Alternative C2 does not meet the federal objective to maximize contributions to the National Economic Development (NED). The preferred Project alternative meets all of the Project objectives. For the above reasons, the Board hereby rejects Alternative C2.

C. Previously Approved Design Alternative. The Previously Approved Design Alternative

addressed in the Addendum is defined as constructing the Reach 9 flood control improvements for the Upper Highway 91 Embankment and the Green River Housing Estates according to the plans presented in the SEIS/EIR. This alternative differs from the proposed Project primarily in the embankment methods. The Previously Approved Design Alternative consisted of using riprap and grouted stone embankment methods. The proposed Project improvements consist of grouted stone and sheet pile. The sheet pile reduces the project footprint and the associated environmental impacts. Therefore, the proposed Project is designed to provide the same level of flood protection as the Previously Approved Design Alternative, but with some modifications to the material composition and lengths of the embankment that further reduce the potential environmental impacts. For these reasons, the Board finds that the Previously Approved Design Alternative is not environmentally superior to the proposed Project, and the Board hereby rejects the Previously Approved Design Alternative.

1 BE IT FURTHER RESOLVED by the Board that it has balanced the benefits of the Project
2 against the unavoidable adverse environmental effects thereof. The Board finds that the benefits of the
3 Project, including but not limited to its benefits to provide flood protection for the existing State Route 91
4 Freeway and the Green River Housing Estates outweigh the unavoidable, but temporary effects on air
5 quality. Therefore, the Board finds the adverse environmental effects of the Project are "acceptable" in
6 light of the following benefits.

7 Facts Supporting Finding:

- 8 A. The mitigation measures set forth above, as described on Exhibit A and Exhibit B attached
9 hereto, are hereby incorporated by reference as fully set forth herein.
- 10 B. The Project will provide protection along the Santa Ana River Mainstem.
- 11 C. The Project will protect the existing State Route 91 Freeway from flooding hazards.
- 12 D. The Project will protect the lives and properties of individuals residing in the Green River
13 Housing Estates.
- 14 E. The Project will provide the least amount of disturbance to biological habitat.

15 BE IT FURTHER RESOLVED by the Board that the aforementioned Santa Ana River Flood
16 Control Project Reach 9, Phase 2A Embankment project is in compliance with the MSHCP and that the
17 Board makes the following determinations related to said compliance:

- 18 a) This project is partially within the Criteria Area set forth in and established by the MSHCP
19 and is specifically within Criteria Cells 1612, 1616 and 1702 which are part of the
20 Temescal Canyon Area Plan.
- 21 b) This project has been submitted to and reviewed by the Western Riverside County
22 Regional Conservation Authority (RCA) pursuant to the Joint Project Review (JPR)
23 process. Pursuant to a Criteria Consistency Review letter received from the RCA dated
24 May 3, 2011, it was determined that this project is consistent with both the Criteria and
25 other MSHCP requirements. See Joint Project Review # 11-04-19-01, dated May 3, 2011
26 for the project in Appendix D of the Addendum.

- 1 c) This project is consistent with the Riparian/Riverine Area and Vernal Pools requirements
2 of the MSHCP. Pursuant to Section 6.1.2 of the MSHCP, an assessment of the potentially
3 significant effects on Riparian/Riverine Areas and Vernal Pools which includes
4 identification and mapping of such areas located within the project boundaries is required.
5 It has been determined that although the project area does not contain any vernal pools, the
6 project area does include Riparian/Riverine Areas as defined by the MSHCP. It has also
7 been determined that the project area does contain suitable habitat for least Bell's vireo, but
8 not suitable habitat for Southwestern Willow Flycatcher, Western Yellow-billed cuckoo,
9 Riverside fairy shrimp, Santa Rosa Plateau fairy shrimp, or the vernal pool fairy shrimp.
10 Pursuant to Section 6.1.2, a Determination of Biologically Equivalent or Superior
11 Preservation (DBESP) analysis of unavoidable impacts to Riparian/Riverine Areas has
12 been completed and it has been determined by District staff that the project, with its design
13 features and proposed compensatory measures, is biologically equivalent or superior to
14 that under an avoidance alternative without these measures. A copy of the DBESP
15 analysis was sent on April 14, 2011 to the U.S. Fish and Wildlife Service and the
16 California Department of Fish and Game for a 60-day review/response period. In a letter
17 dated May 20, 2011, the U.S. Fish and Wildlife Service and the California Department of
18 Fish and Game concluded that construction of this project and mitigation measures
19 provided in the DBESP, including those provided in the Addendum, meet the
20 Riparian/Riverine Policy equivalency finding.
- 21 d) This project is consistent with the Narrow Endemic Plant Species requirements of the
22 MSHCP. Pursuant to Section 6.1.3 of the MSHCP, habitat assessments and/or focused
23 surveys for certain narrow endemic plant species are required for properties within mapped
24 survey areas. The survey area maps included within the MSHCP have been reviewed and
25 the project is partially located within the survey areas for San Diego ambrosia, Brand's
26 phacelia, and San Miguel savory. A habitat assessment was conducted and it was
27 determined that suitable habitat for San Diego ambrosia and San Miguel savory does not
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1 occur on the project site. Suitable habitat for Brand's phacelia was present; however, none
2 were identified during focused surveys.

- 3 e) This project is consistent with the Urban/Wildlands Interface Guidelines established by the
4 MSHCP. Pursuant to Section 6.1.4 of the MSHCP, projects in close proximity to the
5 MSHCP Conservation Area are required to incorporate mechanisms to address indirect
6 effects to the MSHCP Conservation Area. A portion of this project is adjacent to the
7 MSHCP Conservation Area, and the project has been designed to address the guidelines
8 set forth in Section 6.1.4. The project has incorporated certain design features and
9 measures to ensure compliance with Section 6.1.4 of the MSHCP.
- 10 f) This project is consistent with the Database Updates/Additional surveys requirements of
11 the MSHCP. Pursuant to Section 6.3.2 of the MSHCP, habitat assessments and/or focused
12 surveys for certain additional plant and animal species are required for properties within
13 mapped survey areas. The survey area maps have been reviewed and the project is
14 partially within mapped survey area for the Burrowing Owl. Phase I and Phase II
15 burrowing owl habitat assessments were conducted for the Burrowing Owl. Burrowing
16 owls and burrows suitable for burrowing owl occupation were not observed during
17 surveys. Therefore, no further surveys or conservation measures are required.
- 18 g) This project is consistent with the Guidelines for Facilities Within the Criteria Area and
19 Public/Quasi-Public Lands. Specifically, the project shall implement the construction
20 guidelines set forth in Section 7.5.3 of the MSHCP and the standard best management
21 practices set forth in Appendix C of the MSHCP, where applicable.

22 BE IT FURTHER RESOLVED by the Board that the SEIS/EIR and the Mitigation Monitoring
23 and Reporting Plan and the findings set forth herein are hereby adopted.

24 BE IT FURTHER RESOLVED by the Board that the Addendum and the environmental
25 commitments set forth herein are hereby approved.

26 BE IF FURTHER RESOLVED by the Board that within five (5) working days of this Board
27 hearing, the Clerk of the Board is directed to deliver the Notice of Determination for the Project to the
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1 Office of the County Clerk and Recorder, who is hereby directed to file same, and the Clerk of the Board
2 is further directed to deliver the Notice of Determination to the State Office of Planning and Research, all
3 as required by law.

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EXHIBIT A

6. ENVIRONMENTAL COMMITMENTS

6.1 ENVIRONMENTAL COMMITMENTS

As discussed in the Section 4 analysis, the Proposed Action would not result in any significant impacts to air quality, biological resources, water resources and hydrology, earth resources, land use, aesthetics, recreation, noise, socioeconomics, transportation, safety and hazards, cultural resources, or public services and utilities. Of these resources, several areas could have potential short-term impacts on the environment and thus would require environmental commitments to further reduce impacts. The following environmental commitments have been incorporated into the proposed project for the purpose of minimizing environmental effects. Not all of these measures would apply specifically to the Reach 9 Phase 2A project, but are intended to mitigate for all Reach 9 project features (past, present and future). Updates and additional information are provided in brackets, and new commitments or measures that are specific to this project are prefaced with "EC-".

Air Quality

The following mitigation measures were included in the 2001 Final SEIS/EIR to reduce potential impacts to water resources and hydrology. [Mitigation measures AQ-1 through AQ-3 have been replaced by EC-AQ-1 presented below, and AQ-20 has been replaced by EC-AQ-2, also presented below].

- AQ-1** The project construction contractor shall retard diesel engine injection timing by two degrees before top center on all construction equipment that was manufactured before 1996, and which does not have an existing IC engine warranty with the manufacturer. The contractor shall provide a certification from a third-party certified mechanic prior to start of construction, stating the timing of all diesel-powered construction equipment engines have been retarded two degrees before top center.
- AQ-2** The project construction contractor shall use high-pressure injectors on all diesel engines that were manufactured before 1996, and which do not have existing IC engine warranties with the manufacturer. The contractor shall provide documentation of warranty and manufacture date or a certification from a third-party certified mechanic stating that all diesel construction equipment engines are utilizing high-pressure fuel injectors.
- AQ-3** The project construction contractor shall use Caterpillar pre-chamber diesel engines or equivalent, and perform proper maintenance and operation.
- AQ-4** The project construction contractor shall electrify equipment, where feasible.
- AQ-5** The project construction contractor shall restrict the idling of construction equipment to 10 minutes.
- AQ-6** The project construction contractor shall ensure that equipment will be maintained in proper tune to prevent visible soot from reducing light transmission through the exhaust stack exit by more than 20 percent for more than 3 minutes per hour and use low-sulfur fuel as required by SCAQMD regulation.
- AQ-7** The project construction contractor shall use catalytic converters on all gasoline equipment (except for small [2-cylinder] generator engines). If this measure is not implemented, emissions from gasoline equipment shall be offset by other means (e.g., Emission Reduction Credits).

- AQ-8** The project construction contractor shall cease construction during periods of high ambient ozone concentrations (i.e., Stage 2 smog alerts) near the construction area (SCAQMD, 1993).
- AQ-9** The project construction contractor shall schedule all material deliveries to the construction spread outside of peak traffic hours, and minimize other truck trips during peak traffic hours, or as approved by local jurisdictions.
- AQ-10** The project construction contractor shall use only solar powered traffic signs (no gasoline-powered generators shall be used).

The following measures will be implemented to reduce construction emissions of PM10:

- AQ-11** The project construction contractor shall apply non-toxic soil stabilizers according to manufacturers' specification to all inactive construction areas (previously graded areas inactive for 10 days or more; soil stock piled for 2 days or more).
- AQ-12** The project construction contractor shall enclose, cover, water twice daily, or apply non-toxic soil binders according to manufacturers' specifications to exposed stock piles (i.e., gravel, sand, dirt) with 5 percent or greater silt content.
- AQ-13** In areas where dewatering is not required, the project construction contractor shall water active grading/excavation sites at least twice daily.
- AQ-14** The project construction contractor shall increase dust control watering when wind speeds exceed 15 miles per hour for a sustained period of greater than 10 minutes, as measured by an anemometer. The amount of additional watering would depend upon soil moisture content at the time; but no airborne dust should be visible.
- AQ-15** The project construction contractor shall suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 mph (40 kph).
- AQ-16** The project construction contractor shall ensure that trucks hauling dirt on public roads to and from the site are covered and maintain a 50 mm (2 in) differential between the maximum height of any hauled material and the top of the haul trailer. Haul truck drivers shall water the load prior to leaving the site to prevent soil loss during transport.
- AQ-17** The project construction contractor shall ensure that graded surfaces used for off-road parking, materials lay-down, or awaiting future construction are stabilized for dust control, as needed.
- AQ-18** The project construction contractor shall sweep streets in the project vicinity once a day if visible soil material is carried to adjacent streets.
- AQ-19** The project construction contractor shall install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip.
- AQ-20** The project construction contractor shall apply water three times daily, or apply non-toxic soil stabilizers according to manufacturers' specifications to all unpaved parking, staging areas, or unpaved road surfaces.
- AQ-21** The project construction contractor shall ensure that traffic speeds on all unpaved roads to be reduced to 15 mph (25 kph) or less.

The following measures will be implemented to reduce construction emissions of CO and ROC:

- AQ-22** Prior to the approval of plans and specifications, the USACE shall ensure that plans and specifications specify that all heavy equipment shall be maintained in a proper state of tune as per the manufacturer's specifications.
- AQ-23** Deleted. (Similar to AQ-5)

The following measure will be implemented to reduce potential cumulative impacts during construction:

- AQ-24** The USACE shall contact local jurisdictions, including jurisdictions affected by haul routes, prior to each phase of construction to identify other planned construction projects in the local vicinity. If other construction projects are identified in the local vicinity that would occur at the same time as construction for the project, the USACE shall coordinate with local officials to identify possible methods for reducing cumulative effects, including modifying construction schedules, modifying haul routes, modifying equipment mixes, and other reasonable and feasible measures that could reduce the magnitude of the combined effects of construction activities.

Implementation of the following additional environmental commitments by the Corps would further reduce the temporary construction emission air quality impacts. These air quality environmental commitments are as follows:

- EC-AQ-1** Use lower emitting off-road diesel-fueled equipment. All off-road construction diesel engines not registered under California Air Resources Board's (CARB's) Statewide Portable Equipment Registration Program, which have a rating of 50 horsepower (hp) or more, shall meet, at a minimum, the Tier 2 California Emission Standards for Off-Road Compression-Ignition Engines as specified in California Code of Regulations, Title 13, section 2423(b) (1) unless such engine is not available for a particular item of equipment. In the event a Tier 2 engine is not available for any off-road engine larger than 100 hp, that engine shall be equipped with retrofit controls that would provide NOx and PM emissions that are equivalent to a Tier 2 engine. Equipment properly registered under and in compliance with CARB's Statewide Portable Equipment Registration Program is considered to comply with this mitigation measure. This measure does not apply to construction equipment that is active at the site for less than two weeks total duration and specific exceptions to these requirements may be allowed on a case by case basis in the determination of extreme financial difficulty for subcontractors that are using specialized self-owned construction equipment.
- EC-AQ-2** All unpaved construction roads shall be stabilized with a non-toxic soil stabilizer or soil weighting agent, with or without the use of geotextiles that can be determined to be both, as efficient, or more efficient for fugitive dust control as California Air Resources Board approved soil stabilizers, and shall not increase any other environmental impacts including loss of vegetation.

Biological Resources

The following mitigation measures from the 2001 Final SEIS/EIR would be incorporated into contract specifications for the proposed project or implemented by the Corps to reduce potential impacts to biological resources.

- BR-16** Prior to construction, a monitoring program shall be developed and implemented by the USACE that entails surveys for least Bell's vireo and southwestern willow flycatcher in the

spring and early summer in the year prior to construction, as well as during the year of construction. [Surveys are being conducted by SAWA.]

- BR-16A** Within 1 year after initiation of construction activities, the USACE shall finalize a habitat management plan for the areas where the USACE and/or project sponsors have the legal right/jurisdiction. The FWS and CDFG will review the plan, which will address how the USACE and/or their sponsors will maintain or increase the baseline amount of riparian habitat, and funding. This plan will also address conservation goals and thresholds, monitoring and evaluation methodologies, and reporting and review procedures. [Update: Orange County Flood Control District has finalized the Habitat Management Plan.]
- BR-17** The construction contractor shall only clear vegetation associated with project construction during periods when the least Bell's vireo and southwestern willow flycatcher are not nesting (15 August through 28 February).
- BR-17A** Grading activities associated with project construction shall be kept to a minimum and existing root systems will be left intact to the extent possible.
- BR-18** For each acre of riparian/wetland habitat (excluding unvegetated perennial stream) that is temporarily disturbed during construction related activities (12.70 ac), the USACE shall contribute sufficient funds to the Santa Ana Watershed Association of Resource Conservation Districts (Trust Fund) [or other contractor] to:
- Remove one acre of *Arundo donax* from the upper Santa Ana River watershed and/or action area (for each acre affected)
 - Actively monitor and manage this acreage until riparian habitat is completely restored
 - Maintain this acreage *Arundo*-free for the life of the project [or until success criteria are met – possible revised approach is currently being coordinated with the USFWS].
- BR-18A** The USACE [or Sponsors] shall successfully restore each acre of riparian vegetation that is temporarily disturbed during construction-related activities (12.70 ac) and will keep all temporarily disturbed areas free of exotic plants until riparian vegetation is re-established. If the site has not begun to recover within 5 years (i.e., 50 percent of the disturbed areas are not vegetated with young riparian vegetation), then the site will be replanted with cuttings from native riparian species.
- BR-18B** The USACE [or Sponsors] shall maintain non-riparian areas that are temporarily disturbed or destroyed free of exotic plants for 8 years. In addition, the USACE shall use one of the following alternatives, or a combination thereof, to mitigate for each acre of non-riparian floodplain habitat (excluding perennial stream) that is permanently destroyed or isolated from the floodplain during construction related activities (6.88 ac):
- The USACE shall successfully create one acre of flood plain within the action area (for each acre affected). These areas will be kept free of exotic plants for 8 years; or
 - The USACE shall contribute sufficient funds to the Trust Fund [or other contractor] to:
 - Remove three acres of *Arundo donax* from the upper Santa Ana River watershed and/or action area for each acre of [non-]riparian vegetation that is permanently destroyed or isolated from the flood plain during construction-related activities
 - Actively monitor and manage this acreage
 - Maintain this acreage *Arundo*-free for the life of the project [or until success criteria are met – possible revised approach is currently being coordinated with the USFWS]
 - Conduct cowbird removal trapping in the vicinity of the restored habitat for the life of the project [or until success criteria are met – possible revised approach is currently being coordinated with the USFWS].

- BR-18C** The USACE shall use one of the following alternatives, or a combination thereof, to mitigate for each acre of riparian vegetation that is permanently destroyed or isolated from the flood plain during construction related activities (9.39 ac):
- The USACE shall successfully create 3 acres of riparian vegetation within the action area (for each acre affected); or
 - The USACE shall contribute sufficient funds to the Trust Fund [or other contractor] to:
 - Remove 5 acres of *Arundo donax* from the upper Santa Ana River watershed and/or action area for each acre of riparian vegetation that is permanently destroyed or isolated from the flood plain during construction-related activities
 - Actively monitor and manage this acreage;
 - Maintain this acreage *Arundo*-free for the life of the project [or until success criteria are met – possible revised approach is currently being coordinated with the USFWS]; and
 - Conduct cowbird removal trapping in the vicinity of the restored habitat for the life of the project [or until success criteria are met – possible revised approach is currently being coordinated with the USFWS].
- BR-19** The USACE or the County of Orange [Sponsors] shall implement a cowbird trapping program in Reach 9 or shall make a cash contribution to the Santa Ana River Conservation Trust Fund for that purpose. In lieu of a cash contribution, the USACE or the County of Orange shall conduct a cowbird trapping program for a period of 2 years during [Reach 9] project construction and 5 years following project completion. Trapping shall consist of fifteen monitored traps during the vireo and flycatcher egg-laying season (15 March to 30 July). This effort is viewed as supplementing on-going cowbird trapping activities in the Prado Basin. [The Corps funded four years of trapping efforts in Reach 9 and vicinity from 2002 through 2006, and awarded a contract in 2009 for an additional three years of trapping.]
- BR-20** The USACE shall monitor construction activities to assure that vegetation is removed only in the designated areas. Riparian areas not to be disturbed shall be flagged.
- BR-21** If any construction is to take place during the time of year when vireos are present, the construction contractor shall install noise barriers between construction areas and riparian habitat prior to March 1 and kept in place until all construction in the area is completed. [The Corps will continue to coordinate with the USFWS to determine whether noise barriers are necessary or prudent for the Reach 9 Phase 2A project, since the footprint required for construction of the barriers may result in additional habitat removal, further limiting the remaining available nesting area. Sound monitoring and vireo surveys will be conducted throughout the nesting season to determine if noise barriers or other modifications are warranted.]
- BR-22** To minimize impacts on the Santa Ana sucker population, in areas where dewatering is to take place, the construction contractor shall direct discharge water into a stilling basin and allowed to flow through existing vegetation and into the river downstream of the construction area.
- BR-23** During construction, the construction contractor shall implement measures to control sedimentation; these include recontouring, sandbagging, the development of stilling basins, and other appropriate erosion control measures developed on a site-specific basis.
- BR-24** During construction, riparian vegetation adjacent to de-watering areas shall be monitored by the USACE for signs of plant stress. Supplemental water shall be added to this vegetation.

- BR-25** In areas where de-watering is necessary, a permitted biologist shall be retained by the USACE to seine the area for Santa Ana suckers. If suckers are found, they shall be removed and relocated further upstream away from construction areas. [River diversions (surface de-watering) is not expected to be necessary for the Reach 9 Phase 2A project.]
- BR-26A** As construction is completed in a given area, the construction contractor shall hydroseed all disturbed upland areas with local native shrubs and groundcover. The mix of native species in the hydroseed shall be approved in advance by the Environmental Resources Branch of the USACE, Los Angeles District.
- BR-26B** The USACE shall successfully restore each acre of perennial stream that is temporarily disturbed during construction related activities. [As river diversion is not necessary for the Reach 9 Phase 2A project, restoration of the streambed would not be required.] Restoration [when required] will include:
- Replacement of pre-construction substrates and microhabitat features
 - Maintenance or re-establishment of natural channel morphology (e.g., stream meanders, pool-riffle complexes)
 - Maintenance or re-establishment of perennial flows
 - Verification that the structure and composition of the restored area is similar to pre-construction conditions.
- BR-26C** The USACE shall create and/or enhance one acre of perennial stream habitat within the Santa Ana River or its tributaries for each acre of unvegetated perennial stream that is temporarily or permanently disturbed during construction-related activities. [The Reach 9 Phase 2A project will temporarily and permanently affect less than 0.01 acre of aquatic (stream) habitat. (Other temporary impacts to “aquatic habitat” will occur at one culvert opening and not within the perennial stream.) It is anticipated that a stream restoration project currently planned for construction within the Reach 9 Phase 2B project area will suffice as mitigation for this and all other currently approved SARP features constructed within Reach 9.] Creation/enhancement activities could include but are not limited to the following:
- The development of pool-riffle complexes by placing clusters of various sized boulders within the river channel to provide limited cover and areas of reduced water velocity
 - The creation of potential sucker habitat below Prado Dam within one or more tributaries of the Santa Ana River
 - The creation of lateral stream habitats that are apparently essential for the survival of larval suckers.
- BR-28A** The USACE shall implement a “trap and haul” program to periodically trap Santa Ana suckers from existing pools downstream of existing drop structures and transport and release the fish in favorable habitat upstream of the Prado reservoir. Non-native predators of the sucker that are caught during trapping bouts will be destroyed rather than released.
- BR-28B** Construction of the upper Highway 91 embankment protection will occur only during daylight hours to minimize disturbances to wildlife species that move primarily at night.

The following additional environmental commitments would be incorporated into contract specifications for the proposed project to reduce potential impacts to biological resources.

- EC-BR-1** Upon development of final construction plans and prior to site disturbance, the Corps shall clearly delineate the limits of construction on project plans. All construction, site disturbance, and vegetation removal shall be located within the delineated construction boundaries. The storage of equipment and materials, and temporary stockpiling of soil

shall be located within designated areas only, and outside of natural habitat areas. The limits of construction shall be delineated in the field with temporary construction fencing, staking, or flagging.

- EC-BR-2** Prior to construction activities and throughout the construction period, a Corps qualified biologist (or the environmental monitor) shall inspect the construction site and adjacent areas to determine if any raptors are nesting within 500 feet of the construction site. If active nests are found, the Corps biologist will coordinate with CDFG to determine appropriate avoidance or minimization measures.
- EC-BR-3** Prior to any ground-disturbing activities (e.g. mechanized clearing or rough grading) for all project related construction activities, a Corps qualified biologist (or environmental monitor) shall conduct a pre-construction sweep of the project site for terrestrial special-status, including MSHCP covered, wildlife species. During these surveys the biologist will:
- a. Inspect the project area for any sensitive wildlife species;
 - b. Ensure that potential habitats within the construction zone are not occupied by sensitive species (e.g., potential burrows/nests are inspected); and
 - c. In the event of the discovery of a non-listed, special-status ground-dwelling animal, recover and relocate the animal to adjacent suitable habitat within the project site at least 200 feet from the limits of construction activities.
- EC-BR-3** Prior to construction activities, a Corps qualified biologist (or the environmental monitor) shall conduct pre-construction training for all construction crew members. The training shall focus on required mitigation measures and conditions of regulatory agency permits and approvals (if required). The training shall also include a summary of sensitive species and habitats potentially present within and adjacent to the project site.
- EC-BR-4** The Corps' construction contractor will prepare a Spill Prevention and Contingency Plan. The Plan shall be implemented prior to and during site disturbance and construction activities. The plan will include measures to prevent or avoid an incidental leak or spill, including identification of materials necessary for containment and clean-up and contact information for management and agency staff. The plan and necessary containment and clean-up materials shall be kept within the construction area during all construction activities. Workers shall be educated on measures included in the plan at the pre-construction meeting or prior to beginning work on the project.
- EC-BR-5** The Corps biologist (or the environmental monitor) shall monitor construction activities to ensure compliance with environmental commitments.
- EC-BR-6** Upon completion of construction activities, the Corps shall mitigate for the removal of coast live oaks within the project area by replacing all removed oak trees at a ratio of 4:1. Any planted oak trees that do not survive the first two years will be replaced in-kind. At the end of the initial five year monitoring period, any oak trees that do not survive will then be replaced at a 10:1 ratio, with an additional one-year (minimum) plant establishment monitoring period. Replacement plantings shall be located within the project area as well as within other restoration areas located along the Santa Ana River Mainstem Project area and may consist of acorn plantings, potted nursery stock, or a combination of both. All plant propagules shall be collected within a five-mile radius and within 1,000 feet elevation of the project area. All planting locations, procedures, and results shall be evaluated by a qualified arborist/botanist.

The Corps shall develop and implement an Oak Resource Management Plan to be submitted for review by the USFWS and CDFG that is designed to meet the objectives of the successful establishment and long-term survival of replaced oak trees in the project area. This plan shall include the following:

- a. A map identifying locations where oak tree plantings occur, specifically targeting suitable soil types;
- b. A detailed schedule indicating when plantings will occur;
- c. A description of the irrigation methodology;
- d. Measures to control exotic vegetation at the planting locations;
- e. Certification of use of local propagules;
- f. Measures to provide protection from herbivory;
- g. Success criteria to include:
 - All oak plantings will exhibit a minimum of an 80% survivability rate without artificial irrigation for no less than one year after artificial irrigation is removed.
 - All oak trees shall be monitored for a minimum of five (5) years or until all success criteria as identified in the plan have been met. Individual oak trees that do not meet the success criteria shall be replanted and corrected prior to replanting.

Water Resources and Hydrology

The following mitigation measures from the 2001 Final SEIS/EIR would be incorporated into contract specifications for the proposed project to reduce potential impacts to water resources and hydrology.

- WR-1** Prior to initiating construction, the construction contractor shall prepare an erosion control plan to control potential sedimentation and turbidity impacts. The erosion control plan shall include temporary measures such as sandbags and/or water bars and may include long-term measures such as revegetating the access road and soil borrow areas.
- WR-2** Prior to trenching, the construction contractor shall obtain a dewatering permit if the installation and maintenance of the sub-surface toe structure extends into the groundwater table.
- WR-3** The construction contractor shall obtain a National Pollution Discharge Elimination System (NPDES) construction stormwater permit prior to construction.
- WR-4** Prior to construction, the construction contractor shall prepare a pollution prevention plan to reduce the potential for accidental release of fuels, pesticides, and other materials. This plan shall include the designation of refueling locations, emergency response procedures, and definition or reporting requirements for any spill that occurs. Equipment for immediate cleanup shall be kept at the staging area for immediate use. This plan shall also include pesticide application activities such as storage, handling of herbicides, and application methods.

Recreation

The following mitigation measure from the 2001 Final SEIS/EIR would be incorporated into contract specifications for the proposed project to reduce potential impacts to recreation.

- LU-2** The construction or maintenance contractor shall keep bike trails open at all times and provide detour alignments as necessary. The contractor shall provide signage to alert trail users of construction zones, and detours shall be provided along with flag personnel, and fencing as necessary for safety. Prior to construction or maintenance activity, the contractor shall obtain approval from the Manager, County of Orange, Public Facilities and Resources Department, Beaches and Parks, of detour plans that include a diagram and text describing the proposed detour and safety measures. After construction, the contractor shall restore the trail to original condition. Repairs shall be coordinated with County of Orange, Public Facilities and Resources Department, Supervising Maintenance Technician.

Noise

The following mitigation measure from the 2001 Final SEIS/EIR would be incorporated into contract specifications for the proposed project to reduce potential impacts to noise.

- N-4** In areas of noise sensitivity such as the residential uses at Green River Mobile Home Park and Green River Housing Estates, the construction contractor shall [monitor sound levels and, if necessary and feasible,] erect temporary noise barriers to limit direct line-of-sight noise impacts during construction.

The following additional environmental commitments would be incorporated into contract specifications for the proposed project to reduce potential impacts to noise.

- EC-N-1** Prior to issuance of a building permit and applicable maintenance activities, the construction contractor shall obtain a city of Corona noise variance per city of Corona Municipal Code Section 17.84.040 (H) – Noise Variance, for all noise sources exceeding city of Corona Municipal Code Section 17.84.040 (c) - Noise Standards.

- EC-N-2** If night work is approved, the construction contractor shall first obtain Riverside County approval for construction activities between the hours of 6:00 p.m. and 7:00 a.m. (June through September), per Ordinance No. 725, Chapter 1.16 of the Riverside County Municipal Code. The construction contractor shall also obtain city of Corona approval for construction activities between the hours of 8:00 P.M. and 7:00 A.M., per city of Corona Municipal Code Section 17.84.040 (d).

- EC-N-3** The construction contractor will be required to monitor sound levels and make modifications to equipment or procedures if necessary to reduce sound to acceptable or permitted levels.

Cultural Resources

The following environmental commitment is an update to the mitigation measure provided in the 2001 Final SEIS/EIR and would be incorporated into contract specifications for the proposed project to reduce potential impacts to cultural resources.

- EC-CR-1** Construction will be monitored by an archeologist meeting the Secretary of the Interior's Qualification Standards. In the event that previously unknown resources are found during construction, the Corps will comply with the requirements of 36 CFR 800.13.

Traffic

The following environmental commitment would be incorporated into contract specifications for the proposed project to reduce potential impacts to traffic.

EC-TR-1 The construction contractor shall coordinate with the city of Corona and prepare a Construction Traffic Control Plan and Implementation Program. The Traffic Control Plan must be prepared in accordance with Caltrans Manual on Uniform Traffic Control Devices and the WATCH Manual and must include but not be limited to the following issues:

- a) Timing of heavy equipment and building materials deliveries;
- b) Potential redirecting construction traffic with a flag person;
- c) Signing, lighting, and traffic control device placement if required;
- d) Need for construction work hours and arrival/departure times outside regularly scheduled construction;
- e) Access for emergency vehicles to the project site;
- f) Pedestrian and bicycle safety from construction vehicle travel routes to the project site, avoiding residential neighborhoods to the maximum extent feasible;
- g) Identification of safety procedures for exiting and entering the site access gate;
- h) Compliance with Caltrans, Riverside County, and other relevant jurisdictions limitations on vehicle sizes, weights, and travel routes. In addition, the Corps' contractor shall obtain all necessary transportation and oversize load permits from Caltrans, Riverside County, and other relevant jurisdictions for roadway use; and
- i) Identification of any construction activities that could impede upon the adjacent BNSF railroad lines and identify rail line crossings procedures for oversize vehicles. (This is not anticipated to occur.)

EXHIBIT B

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA RIVER MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9
 (Includes applicable mitigation measures from the 2001 Final SEIS/EIR and the 1988 GDM Phase II SEIS)

Component A: Norco Bluffs

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
WR-1	Prior to initiating construction, the construction contractor shall prepare an erosion control plan to control potential sedimentation and turbidity impacts. The erosion control plan shall include temporary measures such as sandbags and/or water bars and may include long-term measures such as revegetating the access road and soil borrow areas.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Prepare erosion control plan	Prior to construction
WR-2	Prior to trenching, the construction contractor shall obtain a dewatering permit if the installation and maintenance of the subsurface toe structure extends into the groundwater table.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Obtain De-watering Permit	During construction (prior to trenching)
WR-3	The construction contractor shall obtain a National Pollution Discharge Elimination System (NPDES) construction stormwater permit prior to construction.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Obtain NPDES Permit	Prior to construction
WR-4	Prior to construction, the construction contractor shall prepare a pollution prevention plan to reduce the potential for accidental release of fuels, pesticides, and other materials. This plan shall include the designation of refueling locations, emergency response procedures, and definition or reporting requirements for any spill that occurs. Equipment for immediate cleanup shall be kept at the staging area for immediate use. This plan shall also include pesticide application activities such as storage, handling of herbicides, and application methods.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Prepare Pollution Prevention Plan	Prior to construction
BR-1	The USACE shall develop and implement a monitoring program that entails surveys for least Bell's vireo and southwestern willow flycatcher in the spring and early summer in the year of construction.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Develop/Implement Monitoring Program and Surveys	Prior to and during construction
BR-1A	The construction contractor shall keep grading activities associated with project construction to a minimum and existing root systems will be left intact to the extent possible.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Minimize grading activities	During construction
BR-1B	The USACE shall develop and implement a monitoring program that entails surveys for bald eagles immediately prior to fall/winter construction near flowing water, and for golden eagles prior to initiating activities at Borrow Area #2. If eagles are foraging in the vicinity, the Corps will coordinate with the Contracting Officer Representative and FWS to develop appropriate avoidance measures.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Develop and implement Monitoring Program	Prior to construction
BR-2	The construction contractor shall clear vegetation associated with project construction within potential vireo or flycatcher habitat only during periods when the least Bell's vireo and southwestern willow flycatcher are not nesting (15 August through 28 February).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Time limit on vegetation clearing (August 15 to February 28)	During construction

MUTIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-3	<p>For each acre of riparian/wetland habitat (excluding unvegetated perennial stream) that is temporarily disturbed during construction related activities (9.57 ha [23.67 ac]), the USACE shall contribute sufficient funds to the Santa Ana Watershed Association of Resource Conservation Districts (Trust Fund) to:</p> <ul style="list-style-type: none"> • Remove one acre of <i>Arundo donax</i> from the upper Santa Ana River watershed and/or action area (for each acre affected) • Actively monitor and manage this acreage until riparian habitat is completely restored • Maintain this acreage <i>Arundo</i>-free for the life of the project. 	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Contribute funds to SAWARCD Trust Fund	Prior to, during, and after construction
BR-3A	The USACE shall successfully restore each acre of riparian vegetation that is temporarily disturbed during construction-related activities (1.85 ha [4.57 ac]) and will keep all temporarily disturbed areas free of exotic plants until riparian vegetation is re-established. If the site has not begun to recover within 5 years (i.e., 50 percent of the disturbed areas are not vegetated with young riparian vegetation), then the site will be replanted with cuttings from native riparian species.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Restore disturbed riparian habitat	After construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing	
ER-3B	<p>The USACE shall maintain non-riparian areas that are temporarily disturbed or destroyed free of exotic plants for 8 years. In addition, the USACE shall use one of the following alternatives, or a combination thereof, to mitigate for each acre of non-riparian wetland habitat (excluding perennial stream) that is permanently destroyed or isolated from the floodplain during construction related activities [19.1 ac]:</p> <ul style="list-style-type: none"> • The USACE shall successfully create one acre of flood plain within the action area (for each acre affected). These areas will be kept free of exotic plants for 8 years; or • The USACE shall contribute sufficient funds to the Trust Fund to: 	<ul style="list-style-type: none"> ○ Remove three acres of <i>Arundo donax</i> from the upper Santa Ana River watershed and/or action area for each acre of riparian vegetation that is permanently destroyed or isolated from the flood plain during construction-related activities ○ Actively monitor and manage this acreage ○ Maintain this acreage <i>Arundo</i>-free for the life of the project ○ Conduct cowbird removal trapping in the vicinity of the restored habitat for the life of the project. 	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Riparian restoration specifics	During and after construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-3C	<p>The USACE shall use one of the following alternatives, or a combination thereof, to mitigate for each acre of riparian vegetation that is permanently destroyed or isolated from the flood plain during construction related activities (1.39 ha [3.43 ac]):</p> <ul style="list-style-type: none"> • The USACE shall successfully create 3 acres of riparian vegetation within the action area (for each acre affected); or • The USACE shall contribute sufficient funds to the Trust Fund to: <ul style="list-style-type: none"> ◦ Remove 5 acres of <i>Arundo donax</i> from the upper Santa Ana River watershed and/or action area for each acre of riparian vegetation that is permanently destroyed or isolated from the flood plain during construction-related activities ◦ Actively monitor and manage this acreage; ◦ Maintain this acreage <i>Arundo</i>-free for the life of the project; and ◦ Conduct cowbird removal trapping in the vicinity of the restored habitat for the life of the project. 	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Riparian restoration specifics	During and after construction
BR-3D	<p>The USACE shall successfully restore each acre of perennial stream that is temporarily disturbed during construction related activities (0.28 ha [0.69 ac]). Restoration will include:</p> <ul style="list-style-type: none"> • Replacement of pre-construction substrates and microhabitat features • Maintenance or re-establishment of natural channel morphology (e.g., stream meanders, pool-riffle complexes) • Maintenance or re-establishment of perennial flows • Verification that the structure and composition of the restored area is similar to pre-construction conditions. 	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Restore perennial stream habitat	After construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-3E	<p>The USACE shall create and/or enhance one acre of perennial stream habitat within the Santa Ana River or its tributaries for each acre of unvegetated perennial stream that is temporarily or permanently disturbed during construction-related activities. Creation/enhancement activities could include but are not limited to the following:</p> <ul style="list-style-type: none"> • The development of pool-riffle complexes by placing clusters of various sized boulders within the river channel to provide limited cover and areas of reduced water velocity • The creation of potential sucker habitat below Prado Dam within one or more tributaries of the Santa Ana River • The creation of lateral stream habitats that are apparently essential for the survival of larval suckers. 	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Create or enhance perennial stream habitat	After construction
BR-4	<p>The USACE or the County of Orange shall implement a cowbird trapping program along Norco Bluffs or shall make a cash contribution to the Santa Ana River Conservation Trust Fund for that purpose. In lieu of a cash contribution, the USACE or the County of Orange shall conduct a cowbird trapping program for a period of 2 years during project construction and 5 years following project completion. Trapping shall consist of fifteen monitored traps during the vireo and flycatcher egg-laying season (15 March to 30 July). This effort is viewed as supplementing on-going cowbird trapping activities in the Prado Basin.</p>	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified biologist)	Cowbird Trapping Program	During and after construction
BR-5	<p>Construction activities shall be monitored by the USACE to assure that vegetation is removed only in the designated areas. Riparian areas not to be disturbed will be flagged.</p>	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Construction monitoring	During construction
BR-6	<p>The construction contractor shall install a noise barrier prior to March 1 at the extreme downstream end of the access road to shield nesting vireos and flycatchers from excessive noise generated by construction vehicles and equipment entering and leaving the staging area.</p>	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Install noise barrier by February 28	During construction
BR-7	<p>To minimize impacts on the Santa Ana sucker population, the construction contractor shall divert the stream channel in Zone 3 away from the initial project construction area. The construction area shall then be de-watered to lower the water table. Discharge shall be directed into a stilling basin and allowed to flow through existing vegetation and into the river downstream of the construction area.</p>	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Divert stream channel (Zone 3)	During construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-8	During construction, the construction contractor shall implement measures to control sedimentation; these include recontouring, sandbagging, sediment basins, and other appropriate erosion control measures developed on a site-specific basis.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Implement sediment control measures	During construction
BR-9	During construction, the USACE shall monitor riparian vegetation adjacent to de-watering areas. Supplemental water shall be added to this vegetation as necessary to avoid water stress.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Monitor riparian vegetation in dewatering areas	During construction
BR-10	In areas where de-watering is necessary, a permitted biologist shall be retained by the USACE to seine the area for Santa Ana suckers. If suckers are found, they shall be removed and relocated further upstream away from construction areas.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified biologist)	Seine for S.A. suckers in dewatering areas	During construction
BR-10A	As construction is completed in a given area, the construction contractor shall hydroseed all disturbed upland areas with local native shrubs and groundcover. The mix of native species in the hydroseed shall be approved in advance by the Environmental Resources Branch of the USACE, Los Angeles District.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Hydroseed disturbed Upland areas	After construction
AQ-1	The project construction contractor shall retard diesel engine injection timing by two degrees before top center on all construction equipment that was manufactured before 1996, and which does not have an existing IC engine warranty with the manufacturer. The contractor shall provide a certification from a third-party certified mechanic prior to start of construction, stating the timing of all diesel-powered construction equipment engines have been retarded two degrees before top center.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Retard timing of diesel engines two degrees	During construction
AQ-2	The project construction contractor shall use high-pressure injectors on all diesel engines that were manufactured before 1996, and which do not have existing IC engine warranties with the manufacturer. The contractor shall provide documentation of warranty and manufacture date or a certification from a third-party certified mechanic stating that all diesel construction equipment engines are utilizing high-pressure fuel injectors.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Implement high pressure fuel injectors	During construction
AQ-3	The project construction contractor shall use Caterpillar pre-chamber diesel engines or equivalent, and perform proper maintenance and operation.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Use caterpillar pre-chamber diesel engines (or equivalent)	During construction
AQ-4	The project construction contractor shall electrify equipment, where feasible.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Electrify equipment where feasible	During construction
AQ-5	The project construction contractor shall restrict the idling of construction equipment to 10 minutes.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Restrict engine idle time	During construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
AQ-6	The project construction contractor shall ensure that equipment will be maintained in proper tune to prevent visible soot from reducing light transmission through the exhaust stack exit by more than 20 percent for more than 3 minutes per hour and use low-sulfur fuel as required by SCAQMD regulation.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Maintain equipment in proper tune	During construction
AQ-7	The project construction contractor shall use catalytic converters on all gasoline equipment (except for small [2-cylinder] generator engines). If this measure is not implemented, emissions from gasoline equipment shall be offset by other means (e.g., Emission Reduction Credits).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Use catalytic converters on gasoline equipment	During construction
AQ-8	The project construction contractor shall cease construction during periods of high ambient ozone concentrations (i.e., Stage 2 smog alerts) near the construction area (SCAQMD, 1993).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Halt construction during periods of high ozone	During construction
AQ-9	The project construction contractor shall schedule all material deliveries to the construction spread outside of peak traffic hours, and minimize other truck trips during peak traffic hours, or as approved by local jurisdictions.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Schedule construction material deliveries in offpeak periods	During construction
AQ-10	The project construction contractor shall use only solar powered traffic signs (no gasoline-powered generators shall be used).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Use solar powered traffic signs	During construction
AQ-11	The project construction contractor shall apply non-toxic soil stabilizers according to manufacturers' specification to all inactive construction areas (previously graded areas inactive for 10 days or more; soil stock piled for 2 days or more).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Application of nontoxic soil stabilizers	During construction
AQ-12	The project construction contractor shall enclose, cover, water twice daily, or apply non-toxic soil binders according to manufacturers' specifications to exposed stock piles (i.e., gravel, sand, dirt) with 5 percent or greater silt content.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Enclose, cover, water, or apply soil stabilizers to stock piles	During construction
AQ-13	In areas where dewatering is not required, the project construction contractor shall water active grading/excavation sites at least twice daily.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Water active grading sites	During construction
AQ-14	The project construction contractor shall increase dust control watering when wind speeds exceed 15 miles per hour for a sustained period of greater than 10 minutes, as measured by an anemometer. The amount of additional watering would depend upon soil moisture content at the time; but no airborne dust should be visible.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Increase dust control watering during wind speeds over 15 mph	During construction
AQ-15	The project construction contractor shall suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 mph (40 kph).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Suspend all earthwork during high wind periods	During construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
AQ-16	The project construction contractor shall ensure that trucks hauling dirt on public roads to and from the site are covered and maintain a 50 mm (2 in) differential between the maximum height of any hauled material and the top of the haul trailer. Haul truck drivers shall water the load prior to leaving the site to prevent soil loss during transport.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Cover trucks hauling dirt on public roads	During construction
AQ-17	The project construction contractor shall ensure that graded surfaces used for off-road parking, materials lay-down, or awaiting future construction are stabilized for dust control, as needed.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Stabilize surfaces for dust control	During construction
AQ-18	The project construction contractor shall sweep streets in the project vicinity once a day if visible soil material is carried to adjacent streets.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Street sweeping after soil hauling	During construction
AQ-19	The project construction contractor shall install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Install wheel washers	During construction
AQ-20	The project construction contractor shall apply water three times daily, or apply non-toxic soil stabilizers according to manufacturers' specifications to all unpaved parking, staging areas, or unpaved road surfaces	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Dust control of unpaved areas	During construction
AQ-21	The project construction contractor shall ensure that traffic speeds on all unpaved roads to be reduced to 15 mph (25 kph) or less.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Traffic speed control	During construction
AQ-22	Prior to the approval of plans and specifications, the USACE shall ensure that plans and specifications specify that all heavy equipment shall be maintained in a proper state of tune as per the manufacturer's specifications.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Plan check for vehicular tuning specifications	Prior to construction (plans & specs)
AQ-23	Deleted. (Similar to AQ-5)	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR			
AQ-24	The USACE shall contact local jurisdictions, including jurisdictions affected by haul routes, prior to each phase of construction to identify other planned construction projects in the local vicinity. If other construction projects are identified in the local vicinity that would occur at the same time as construction for the project, the USACE shall coordinate with local officials to identify possible methods for reducing cumulative effects, including modifying construction schedules, modifying haul routes, modifying equipment mixes, and other reasonable and feasible measures that could reduce the magnitude of the combined effects of construction activities.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Coordination with local jurisdictions to determine timing of other construction project hauling activities	Prior to and during construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Mitigation Measures	Source	Responsibility	Implementing Action	Timing
N-1 Prior to the approval of plans and specifications, the USACE shall ensure that plans and specifications include a restriction of not more than 166 construction truck trips per day along Norco Drive and 316 construction truck trips per day on the streets designated for the haul route within the County of Riverside, and County of San Bernardino.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Plan check for specification to restrict truck trips per day	Prior to construction (plans & specs)
CR-1 Construction shall be monitored by qualified archaeologists. Unanticipated discoveries shall be coordinated and evaluated with the California State Historic Preservation Officer pursuant to 36 CFR 800.11.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified archaeologist)	Construction monitoring by archaeologist	During construction

Component B: Prado Basin

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
I.A.	Incorporate measures to stabilize slopes on road, borrow areas, and other impacted soil into construction plans and specifications. Monitor implementation of these measures during construction. (Specific measures need to be identified)	1988 GDM Phase II SEIS	USACE and construction contractor	Plan check for specifications to stabilize slopes/Construction monitoring	Prior to and during construction
I.B.2	Design borrow areas to minimize turbidity (controls such as settling basins).	1988 GDM Phase II SEIS	USACE	Plan check for turbidity controls	Prior to construction
I.B.3	Utilize leakproof areas (impervious aprons) for lubrication and other toxic fluids. Leave no contamination.	1988 GDM Phase II SEIS	Construction contractor	Construction monitoring for equipment maintenance	During construction
I.B.4	Obtain and comply with all necessary water quality permits.	1988 GDM Phase II SEIS	Construction contractor	Obtain all water quality permits	Prior to construction
BR-11	The construction contractor shall only clear riparian (cottonwood-willow, willow, multfat scrub) vegetation associated with project construction only during periods when the least Bell's vireo and southwestern willow flycatcher are not nesting (15 August through 28 February).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Time limit on vegetation clearing (15 August through 28 February)	During construction
BR-11A	The USACE shall successfully restore each acre of perennial stream that is temporarily disturbed during construction related activities (2.6 ha [6.5 ac]). Restoration will include:	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Vegetation restoration specifics	During and after construction
BR-11B	The USACE shall create and/or enhance one acre of perennial stream habitat within the Santa Ana River or its tributaries for each acre of unvegetated perennial stream that is temporarily or permanently disturbed during construction-related activities. Creation/enhancement activities could include but are not limited to the following:	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Habitat restoration specifics	After construction

**MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9**

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-12	Construction activities shall be monitored by the USACE to assure that vegetation is removed only in the designated areas. Riparian areas not to be disturbed shall be flagged.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Construction monitoring	During construction
BR-13	The construction contractor shall install a noise barrier prior to March 1 along the access road east and southeast of the dam along the southwestern border of the Basin to shield nesting vireos from excessive noise generated by construction vehicles and equipment.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Install noise barrier	Prior to construction
BR-13A	The USACE shall redesign the drop structure and associated baffles at the gauging station below Prado Dam to minimize the risk to fish species of injury or death owing to collision while not precluding connectivity. If this redesign results in additional disturbances to habitat, then the USACE will contribute to the Trust Fund at a 1:1 ratio for each additional acre affected.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Redesign of drop structure, or contribution to Trust Fund	Prior to construction
BR-13B	The USACE shall roughen the surface of the low-flow portion of the concrete-lined outlet channel and revegetate along both sides of the channel with native trees.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Revegetate low-flow portion of outlet channel	After construction
BR-14	Prior to utilizing the borrow sites, the construction contractor shall place dirt berms between Borrow Sites 1 and 2 and the willow riparian forest to shield nesting vireos and flycatchers from excessive noise generated by heavy equipment.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Construct dirt berms between borrow sites and willow riparian forest	During construction
BR-14A	When construction is completed in a given area, the construction contractor shall hydroseed the completed dikes and all disturbed upland areas, including borrow sites, with local native shrubs and groundcover. The mix of native species in the hydroseed shall be approved in advance by the Environmental Resources Branch of the USACE, Los Angeles District.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Hydroseed new dikes and disturbed upland areas	After construction
BR-14B	The USACE shall schedule excavation in the eastern third of borrow site #1A to avoid possible impacts to nesting willow flycatchers. Construction-related activities in this area will not occur from April 29 to September 25 during each calendar year or at any other time while flycatchers are present in habitats adjacent to the borrow site.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE and construction contractor	Restrict construction when flycatchers are present	Prior to and during construction
BR-14C	The USACE has agreed to mow all areas that will be excavated during spring/summer months, prior to March 15, to preclude nesting of and impacts to grasshopper sparrows and other species of concern.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Mow areas prior to March 15	Prior to and during construction
BR-15	Deleted. (Same as WR-1)	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	N/A	N/A	N/A

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-15A	The USACE will investigate ways to facilitate wildlife movement over the dam, possibly including a ramp vegetated with native species. The USACE will coordinate with the FWS and CDFG on design and location of the corridor. The area between the dam and the downstream end of the new outlet channel will be revegetated, thereby providing additional cover for any wildlife that may be attempting to cross through the area. If necessary, the vehicle bridge over the outlet channel may be modified to be more conducive for wildlife crossing. Native upland vegetation could be planted at the approaches to the bridge, and soil could be placed on the surface.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Maintain non-riparian areas free of exotic plants	During and after construction
II.J	Construction of the outlet channel will occur only during daylight hours to minimize disturbance to wildlife species that move primarily at night.	1988 GDM Phase II SEIS	USACE	Review of Resource Use Plan	Update Resource Use Plan Use Plan prior to future recreation plans.
II.G.1	Esthetic Treatment Plan. Stockpile topsoil from dike sites and borrow areas and reuse it. Seed and maintain d/s sides of dikes with forbs and grasses. Esthetically reshape borrow areas and reseed with native shrubland, native wetland or geese foraging species, as appropriate. Scarity haul roads when retired from use.	1988 GDM Phase II SEIS	USACE	Review of O&M Manual	Provide input to O&M manual prior to completion of construction.
II.G.2	Change land use category of 32 acres to category 1 (lowest use). Protect mitigation area.	1988 GDM Phase II SEIS	USACE	Review of Plans & Specs	Prior to construction (plans & specs) plus inspections during construction period.
II.G.3	Phased use of Borrow Site #2 (divided into 3 sections and each section will be used until no additional suitable material is left or is practicable to remove).	1988 GDM Phase II SEIS	USACE	Review plans and specs/monitor construction	Prior to construction (plans & specs) plus inspections during construction period. Monitor after construction.
	Esthetic Treatment Plan. Each section of Borrow Site #2 will be restored as soon as possible after completion of activities between 15 October and 15 January. Restoration will include recontouring, resprouting salvaged topsoil, fertilization, and seeding with appropriate seedmix(es).	1988 GDM Phase II SEIS	USACE	Review plans and specs/monitor construction	N/A
	Establishment of new oak woodlands near Prado Regional Park; replace 84 trees impacted by Hwy. 71 dike at 4:1 ratio. Irrigate and protect trees. Note: This measure is no longer warranted due to SR 71 Dike redesign which eliminated all impacts to existing oak woodlands.	1988 GDM Phase II SEIS	N/A	N/A	N/A

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
II.G.4	Avoid impacts to sycamore trees along north edge of Borrow Site No. 1.	1988 GDM Phase II SEIS	USACE and construction contractor	Review of Plans & Specs	Prior to construction (plans & specs) plus inspections during construction period.
II.G.5 (Part 1)	Establish 133 acres of willow woodland with understory above 505'. Note: This measure was superceded by the 1995 Cooperative Agreement between OCWD, USFWS, and USACE wherein \$1 million was contributed to the SAR Conservation Trust Fund in lieu of revegetation.	1988 GDM Phase II SEIS	N/A	N/A	COMPLETED
II.G.5 (Part 2) AQ-1	Set aside \$450,000 for a monitoring program for the virus and a management program for its pests. The project construction contractor shall retard diesel engine injection timing by two degrees before top center on all construction equipment that was manufactured before 1996, and which does not have an existing IC engine warranty with the manufacturer. The contractor shall provide a certification from a third-party certified mechanic prior to start of construction, stating the timing of all diesel-powered construction equipment engines have been retarded two degrees before top center.	1988 GDM Phase II SEIS	USACE and Orange County Construction contractor	Completed Retard timing of diesel engines two degrees	COMPLETED During construction
AQ-2	The project construction contractor shall use high-pressure injectors on all diesel engines that were manufactured before 1996, and which do not have existing IC engine warranties with the manufacturer. The contractor shall provide documentation of warranty and manufacture date or a certification from a third-party certified mechanic stating that all diesel construction equipment engines are utilizing high-pressure fuel injectors.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Implement high pressure fuel injectors	During construction
AQ-3	The project construction contractor shall use Caterpillar pre-chamber diesel engines or equivalent, and perform proper maintenance and operation.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Use caterpillar pre-chamber diesel engines (or equivalent)	During construction
AQ-4	The project construction contractor shall electrify equipment, where feasible.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Electrify equipment where feasible	During construction
AQ-5	The project construction contractor shall restrict the idling of construction equipment to 10 minutes.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Restrict engine idle time	During construction
AQ-6	The project construction contractor shall ensure that equipment will be maintained in proper tune to prevent visible soot from reducing light transmission through the exhaust stack exit by more than 20 percent for more than 3 minutes per hour and use low-sulfur fuel as required by SCAQMD regulation.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Maintain equipment in proper tune	During construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
AQ-7	The project construction contractor shall use catalytic converters on all gasoline equipment (except for small [2-cylinder] generator engines). If this measure is not implemented, emissions from gasoline equipment shall be offset by other means (e.g., Emission Reduction Credits).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Use catalytic converters on gasoline equipment	During construction
AQ-8	The project construction contractor shall cease construction during periods of high ambient ozone concentrations (i.e., Stage 2 smog alerts) near the construction area (SCAQMD, 1993).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Halt construction during periods of high ozone	During construction
AQ-9	The project construction contractor shall schedule all material deliveries to the construction spread outside of peak traffic hours, and minimize other truck trips during peak traffic hours, or as approved by local jurisdictions.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Schedule construction material deliveries in off-peak periods	During construction
AQ-10	The project construction contractor shall use only solar powered traffic signs (no gasoline-powered generators shall be used).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Use solar powered traffic signs	During construction
AQ-11	The project construction contractor shall apply non-toxic soil stabilizers according to manufacturers' specification to all inactive construction areas (previously graded areas inactive for 10 days or more; soil stock piled for 2 days or more).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Application of nontoxic soil stabilizers	During construction
AQ-12	The project construction contractor shall enclose, cover, water twice daily, or apply non-toxic soil binders according to manufacturers' specifications to exposed stock piles (i.e., gravel, sand, dirt) with 5 percent or greater silt content. In areas where dewatering is not required, the project construction contractor shall water active grading/excavation sites at least twice daily.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Enclose, cover, water, or apply soil stabilizers to stock piles	During construction
AQ-13	The project construction contractor shall increase dust control watering when wind speeds exceed 15 miles per hour for a sustained period of greater than 10 minutes, as measured by an anemometer. The amount of additional watering would depend upon soil moisture content at the time; but no airborne dust should be visible.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Water active grading sites	During construction
AQ-14	The project construction contractor shall suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 mph (40 kph).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Increase dust control watering during wind speeds over 15 mph	During construction
AQ-15	The project construction contractor shall ensure that graded surfaces used for off-road parking, materials lay-down, or awaiting future construction are stabilized for dust control, as needed.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Suspend all earthwork during high wind periods	During construction
AQ-16	The project construction contractor shall ensure that trucks hauling dirt on public roads to and from the site are covered and maintain a 50 mm (2 in.) differential between the maximum height of any hauled material and the top of the haul trailer. Haul truck drivers shall water the load prior to leaving the site to prevent soil loss during transport.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Cover trucks hauling dirt on public roads	Cover trucks hauling dirt on public roads	During construction
AQ-17	The project construction contractor shall sweep streets in the project vicinity once a day if visible soil material is carried to adjacent streets.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Stabilize surfaces for dust control	During construction
AQ-18	The project construction contractor shall sweep streets in the project vicinity once a day if visible soil material is carried to adjacent streets.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Street sweeping after soil hauling	During construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
AQ-19	The project construction contractor shall install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Install wheel washers	During construction
AQ-20	The project construction contractor shall apply water three times daily, or apply non-toxic soil stabilizers according to manufacturers' specifications to all unpaved parking, staging areas, or unpaved road surfaces	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Dust control of unpaved areas	During construction
AQ-21	The project construction contractor shall ensure that traffic speeds on all unpaved roads to be reduced to 15 mph (25 kph) or less.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Traffic speed control	During construction
AQ-22	Prior to the approval of plans and specifications, the USACE shall ensure that plans and specifications specify that all heavy equipment shall be maintained in a proper state of tune as per the manufacturer's specifications.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Plan check for vehicular tuning specifications	Prior to construction (plans & specs)
AQ-23	Deleted. (Similar to AQ-5)	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	N/A	N/A	N/A
AQ-24	The USACE shall contact local jurisdictions, including jurisdictions affected by haul routes, prior to each phase of construction to identify other planned construction projects in the local vicinity. If other construction projects are identified in the local vicinity that would occur at the same time as construction for the project, the USACE shall coordinate with local officials to identify possible methods for reducing cumulative effects, including modifying construction schedules, modifying haul routes, modifying equipment mixes, and other reasonable and feasible measures that could reduce the magnitude of the combined effects of construction activities.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Contact local jurisdictions to determine timing of other construction project hauling activities	Prior to and during construction
I.D.1	Use approved dust suppressants and water dirt haul routes and excavation/deposition areas frequently.	1988 GDM Phase II SEIS	Construction contractor	Construction monitoring	During construction
I.D.2	Obtain and comply with all necessary air quality permits.	1988 GDM Phase II SEIS	USACE	Obtain air quality permits	Prior to construction
N-3	Prior to approval of plans and specifications, the USACE shall ensure that plans and specifications include restriction of not more than 316 construction truck trips per day on the streets designated for the haul route within the County of Riverside, County of San Bernardino, and City of Corona.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Review plans and specs.	Prior to construction (plans & specs)
I.F.	Place restrictions on days and hours of construction near residences as necessary to reduce noise impacts.	1988 GDM Phase II SEIS	USACE	Construction monitoring	During construction

**MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9**

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
CR-2	If previously unknown cultural resources are found during construction of any feature of the Santa Ana River Project, construction in the area of the find shall cease until the requirements in 36 CFR 800 are met. This would include coordination with the California State Historic Preservation Officer, the Advisory Council on Historic Preservation, and appropriate Native American groups and/or other interested parties. It may require additional mitigation measures such as test and data recovery excavations, archival research, avoidance measures, etc.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Construction monitoring	During construction
CR-3	In accordance with Stipulation 6 of the Programmatic Agreement a Historic Properties Management Plan shall be developed for the basin by a qualified cultural resource specialist. This document shall outline the appropriate management measures the USACE shall take subsequent to completion of the dam and spillway.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Prepare Historic Properties Management Plan	Before completion of construction
CR-4	NHRP eligible Prado Dam has been documented in accordance with Historic American Engineering Record Standards. A copy of the documentation is on file with the Library of Congress, and the National Park Service. No further mitigation measures are required for the original Prado Dam structure itself.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified archaeologist)	Construction monitoring	During construction
CR-5	The USACE shall ensure that construction throughout the Basin is monitored by archaeologists meeting the Secretary of the Interior's Standards. Any finds shall be documented in accordance with the Programmatic Agreement. Particular attention will be made to protecting the historic cemetery near the borrow area.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Prepare Flood Protection Plan	Prior to construction
CR-6	The USACE shall develop a plan to flood proof the Yorba Slaughter Adobe and the plan shall be made available for review by the California State Historic Preservation Officer, the Advisory Council on Historic Preservation, San Bernardino County Museum, and interested parties. The floodproof design shall be consistent with the historic setting of the structure and be designed as visually inconspicuous as possible.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified archaeologist)	Conduct Test Excavation/Prepare treatment plan if necessary	Prior to construction
I.I.	A test excavation and NHRP evaluation of historic archaeological sites affected by the interior dikes shall be conducted by a qualified archaeologist. These sites include CA-RIV-8091H (PB-69), PB-7, and PD-44. If any are determined to be NHRP eligible after consultation with the SHPO, a treatment plan shall be developed and implemented prior to construction. In addition, monitoring of construction by a qualified archaeologist shall be required during construction.	1988 GDM Phase II SEIS	USACE	Negotiate Memorandum of Agreement for eligible archaeological sites	Prior to construction

**MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9**

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
II.H.	Monitor excavation of Borrow Site No. 1 and gather samples of fossils present.	1988 GDM Phase II SEIS	USACE (implemented by a qualified paleontologist)	Construction monitoring	During construction
LU-1	Subsequent to construction of the Dike at Corona National Housing Tract, the construction contractor shall ensure that the northeast side of the dike is hydroseeded with local native shrubs and groundcover.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Hydroseed Dike at Corona National Housing Tract	After construction
II.E.	Use flagmen and dip crossing where needed.	1988 GDM Phase II SEIS	Construction contractor	Review of construction specifications	During construction

Component C: Reach 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-16	Prior to construction, a monitoring program shall be developed and implemented by the USACE that entails surveys for least Bell's vireo and southwestern willow flycatcher in the spring and early summer in the year prior to construction, as well as during the year of construction.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified biologist)	Prepare monitoring program for vireo and flycatcher	Prior to and during construction
BR-16A	Within 1 year after initiation of construction activities, the USACE shall finalize a habitat management plan for the areas where the USACE and/or project sponsors have the legal right/jurisdiction. The FWS and CDFG will review the plan, which will address how the USACE and/or their sponsors will maintain or increase the baseline amount of riparian habitat, and funding. This plan will also address conservation goals and thresholds, monitoring and evaluation methodologies, and reporting and review procedures.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (coordinated with the FWS and CDFG)	Finalize Habitat Management Plan	During and after construction
BR-17	The construction contractor shall only clear vegetation associated with project construction during periods when the least Bell's vireo and southwestern willow flycatcher are not nesting (15 August through 28 February).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Time limit on vegetation clearing (15 August to 28 February)	During construction
BR-17A	Grading activities associated with project construction shall be kept to a minimum and existing root systems will be left intact to the extent possible.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Construction monitoring	During construction
BR-18	For each acre of riparian/wetland habitat (excluding unvegetated perennial stream) that is temporarily disturbed during construction related activities (7.4 ha [18.2 ac]), the USACE shall contribute sufficient funds to the Santa Ana Watershed Association of Resource Conservation Districts (Trust Fund) to: <ul style="list-style-type: none"> • Remove one acre of <i>Arundo donax</i> from the upper Santa Ana River watershed and/or action area (for each acre affected) • Actively monitor and manage this acreage until riparian habitat is completely restored • Maintain this acreage <i>Arundo</i>-free for the life of the project. 	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Cash contribution to SARC Trust Fund	Before completion of construction
BR-18A	The USACE shall successfully restore each acre of riparian vegetation that is temporarily disturbed during construction-related activities (7.1 ha [17.5 ac]) and will keep all temporarily disturbed areas free of exotic plants until riparian vegetation is re-established. If the site has not begun to recover within 5 years (i.e., 50 percent of the disturbed areas are not vegetated with young riparian vegetation), then the site will be replanted with cuttings from native riparian species.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Restore riparian vegetation	After construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-18B	<p>The USACE shall maintain non-riparian areas that are temporarily disturbed or destroyed free of exotic plants for 8 years. In addition, the USACE shall use one of the following alternatives, or a combination thereof, to mitigate for each acre that is permanently destroyed or isolated from the floodplain during construction related activities (0.2 ha [0.4 ac]):</p> <ul style="list-style-type: none"> • The USACE shall successfully create one acre of flood plain within the action area (for each acre affected). These areas will be kept free of exotic plants for 8 years; or • The USACE shall contribute sufficient funds to the Trust Fund to: <ul style="list-style-type: none"> ◦ Remove three acres of <i>Arundo donax</i> from the upper Santa Ana River watershed and/or action area for each acre of riparian vegetation that is permanently destroyed or isolated from the flood plain during construction-related activities ◦ Actively monitor and manage this acreage ◦ Maintain this acreage <i>Arundo</i>-free for the life of the project ◦ Conduct cowbird removal trapping in the vicinity of the restored habitat for the life of the project. 	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Riparian restoration specifics	During and after construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
				Non-Riparian restoration specifics	During and after construction
BR-18C	<ul style="list-style-type: none"> The USACE shall use one of the following alternatives, or a combination thereof, to mitigate for each acre of riparian vegetation that is permanently destroyed or isolated from the flood plain during construction related activities (3.6 ha [8.8 ac]): <ul style="list-style-type: none"> The USACE shall successfully create 3 acres of riparian vegetation within the action area (for each acre affected); or The USACE shall contribute sufficient funds to the Trust Fund to: <ul style="list-style-type: none"> Remove 5 acres of <i>Arundo donax</i> from the upper Santa Ana River Watershed and/or action area for each acre of riparian vegetation that is permanently destroyed or isolated from the flood plain during construction-related activities <ul style="list-style-type: none"> Actively monitor and manage this acreage; Maintain this acreage <i>Arundo</i>-free for the life of the project; and Conduct cowbird removal trapping in the vicinity of the restored habitat for the life of the project. 	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Non-Riparian restoration specifics	During and after construction
BR-19	The USACE or the County of Orange shall implement a cowbird trapping program in Reach 9 or shall make a cash contribution to the Santa Ana River Conservation Trust Fund for that purpose. In lieu of a cash contribution, the USACE or the County of Orange shall conduct a cowbird trapping program for a period of 2 years during project construction and 5 years following project completion. Trapping shall consist of fifteen monitored traps during the vireo and flycatcher egg-laying season (15 March to 30 July). This effort is viewed as supplementing on-going cowbird trapping activities in the Prado Basin.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified biologist)	Implement cowbird trapping program/or contribution to Trust Fund	During and after construction
BR-20	The USACE shall monitor construction activities to assure that vegetation is removed only in the designated areas. Riparian areas not to be disturbed shall be flagged.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Construction monitoring	During construction
BR-21	If any construction is to take place during the time of year when vireos are present, the construction contractor shall install noise barriers between construction areas and riparian habitat prior to March 1 and kept in place until all construction in the area is completed.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Install noise barriers by February 28	During construction
BR-22	To minimize impacts on the Santa Ana sucker population, in areas where dewatering is to take place, the construction contractor shall direct discharge water into a stilling basin and allowed to flow through existing vegetation and into the river downstream of the construction area.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Discharge water into stilling basin	During construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-23	During construction, the construction contractor shall implement measures to control sedimentation; these include recontouring, sandbagging, the development of stilling basins, and other appropriate erosion control measures developed on a site-specific basis.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Implement sedimentation control measures/Construction monitoring	During construction
BR-24	During construction, riparian vegetation adjacent to de-watering areas shall be monitored by the USACE for signs of plant stress. Supplemental water shall be added to this vegetation.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Construction monitoring	During construction
BR-25	In areas where dewatering is necessary, a permitted biologist shall be retained by the USACE to seine the area for Santa Ana suckers. If suckers are found, they shall be removed and relocated further upstream away from construction areas.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified biologist)	Seine for S.A. Suckers	During construction
BR-26	In order to allow construction work in the river at the upper Highway 91 bank stabilization area, the Green River Housing Estates, the strip mall near Weir Canyon Road, and minimally at the lower Green River Golf Course, the flow will be reduced to a minimum by the USACE and a channel will be cut by the construction contractor to divert the flow past the area of construction. Once construction is completed, the river will be allowed to return to its original channel.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Reduce river flow/cut a channel	During construction
BR-26A	As construction is completed in a given area, the construction contractor shall hydroseed all disturbed upland areas with local native shrubs and groundcover. The mix of native species in the hydroseed shall be approved in advance by the Environmental Resources Branch of the USACE, Los Angeles District.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Hydroseed all disturbed upland areas	During construction
BR-26B	The USACE shall successfully restore each acre of perennial stream that is temporarily disturbed during construction related activities (1.42 ha [3.5 ac]). Restoration will include:	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Restoration specifics for perennial stream habitat	After construction
	<ul style="list-style-type: none"> • Replacement of pre-construction substrates and microhabitat features • Maintenance or re-establishment of natural channel morphology (e.g., stream meanders, pool-riffle complexes) • Maintenance or re-establishment of perennial flows • Verification that the structure and composition of the restored area is similar to pre-construction conditions. 				

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
BR-26C	The USACE shall create and/or enhance one acre of perennial stream habitat within the Santa Ana River or its tributaries for each acre of unvegetated perennial stream that is temporarily or permanently disturbed during construction-related activities. Creation/enhancement activities could include but are not limited to the following: <ul style="list-style-type: none"> • The development of pool-riffle complexes by placing clusters of various sized boulders within the river channel to provide limited cover and areas of reduced water velocity • The creation of potential sucker habitat below Prado Dam within one or more tributaries of the Santa Ana River • The creation of lateral stream habitats that are apparently essential for the survival of larval suckers. 	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Restoration specifies for perennial stream habitat	During and after construction
BR-27	Deleted. (Same as BR-22)	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	N/A	N/A	N/A
BR-28	Deleted. (Unnecessary with implementation of BR-25)	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	N/A	N/A	N/A
BR-28A	The USACE shall implement a "trap and haul" program to periodically trap Santa Ana suckers from existing pools downstream of existing drop structures and transport and release the fish in favorable habitat upstream of the Prado reservoir. Non-native predators of the sucker that are caught during trapping bouts will be destroyed rather than released.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Implement "trap and haul" program for S.A. Suckers	After construction
BR-28B	Construction of the upper Highway 91 embankment protection will occur only during daylight hours to minimize disturbances to wildlife species that move primarily at night.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Contractor	Construction of upper Highway 91 embankment protection	During construction
III.G.2	Maintenance of approximately 1,100 acres of post-project 100-yr floodplain acquired in the canyon for open space and wildlife habitat values. Agricultural lands acquired in fee will not be leased back for agriculture.	1988 GDM Phase II SEIS	Orange County	Completed	COMPLETED
AQ-1	The project construction contractor shall retard diesel engine injection timing by two degrees before top center on all construction equipment that was manufactured before 1996, and which does not have an existing IC engine warranty with the manufacturer. The contractor shall provide a certification from a third-party certified mechanic prior to start of construction, stating the timing of all diesel-powered construction equipment engines have been retarded two degrees before top center.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Retard timing of diesel engines two degrees	During construction

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
AQ-2	The project construction contractor shall use high-pressure injectors on all diesel engines that were manufactured before 1996, and which do not have existing IC engine warranties with the manufacturer. The contractor shall provide documentation of warranty and manufacture date or a certification from a third-party certified mechanic stating that all diesel construction equipment engines are utilizing high-pressure fuel injectors.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Implement high pressure fuel injectors	During construction
AQ-3	The project construction contractor shall use Caterpillar pre-chamber diesel engines or equivalent, and perform proper maintenance and operation.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Use caterpillar pre-chamber diesel engines (or equivalent)	During construction
AQ-4	The project construction contractor shall electrify equipment where feasible.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Electrify equipment where feasible	During construction
AQ-5	The project construction contractor shall restrict the idling of construction equipment to 10 minutes.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Restrict engine idle time	During construction
AQ-6	The project construction contractor shall ensure that equipment will be maintained in proper tune to prevent visible soot from reducing light transmission through the exhaust stack exit by more than 20 percent for more than 3 minutes per hour and use low-sulfur fuel as required by SCAQMD regulation.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Maintain equipment in proper tune	During construction
AQ-7	The project construction contractor shall use catalytic converters on all gasoline equipment (except for small [2-cylinder] generator engines). If this measure is not implemented, emissions from gasoline equipment shall be offset by other means (e.g., Emission Reduction Credits).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Use catalytic converters on gasoline equipment	During construction
AQ-8	The project construction contractor shall cease construction during periods of high ambient ozone concentrations (i.e., Stage 2 smog alerts) near the construction area (SCAQMD, 1993).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Halt construction during periods of high ozone	During construction
AQ-9	The project construction contractor shall schedule all material deliveries to the construction spread outside of peak traffic hours, and minimize other truck trips during peak traffic hours, or as approved by local jurisdictions.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Schedule construction material deliveries in off-peak periods	During construction
AQ-10	The project construction contractor shall use only solar powered traffic signs (no gasoline-powered generators shall be used).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Use solar powered traffic signs	During construction
AQ-11	The project construction contractor shall apply non-toxic soil stabilizers according to manufacturers' specification to all inactive construction areas (previously graded areas inactive for 10 days or more; soil stock piled for 2 days or more).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Application of nontoxic soil stabilizers	During construction
AQ-12	The project construction contractor shall enclose, cover, water twice daily, or apply non-toxic soil binders according to manufacturers' specifications to exposed stock piles (i.e., gravel, sand, dirt) with 5 percent or greater silt content.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Enclose, cover, water, or apply soil stabilizers to stock piles	During construction
AQ-13	In areas where dewatering is not required, the project construction contractor shall water active grading/excavation sites at least twice daily.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Water active grading sites	During construction

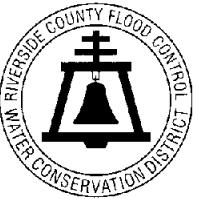
MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
AQ-14	The project construction contractor shall increase dust control watering when wind speeds exceed 15 miles per hour for a sustained period of greater than 10 minutes, as measured by an anemometer. The amount of additional watering would depend upon soil moisture content at the time; but no airborne dust should be visible.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Increase dust control watering during wind speeds over 15 mph	During construction
AQ-15	The project construction contractor shall suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 mph (40 kph).	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Suspend all earthwork during high wind periods	During construction
AQ-16	The project construction contractor shall ensure that trucks hauling dirt on public roads to and from the site are covered and maintain a 50 mm (2 in) differential between the maximum height of any hauled material and the top of the haul trailer. Haul truck drivers shall water the load prior to leaving the site to prevent soil loss during transport.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Cover trucks hauling dirt on public roads	During construction
AQ-17	The project construction contractor shall ensure that graded surfaces used for off-road parking, materials lay-down, or awaiting future construction are stabilized for dust control, as needed.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Stabilize surfaces for dust control	During construction
AQ-18	The project construction contractor shall sweep streets in the project vicinity once a day if visible soil material is carried to adjacent streets.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Street sweeping after soil hauling	During construction
AQ-19	The project construction contractor shall install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Install wheel washers	During construction
AQ-20	The project construction contractor shall apply water three times daily, or apply non-toxic soil stabilizers according to manufacturers' specifications, to all unpaved parking, staging areas, or unpaved road surfaces	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Dust control of unpaved areas	During construction
AQ-21	The project construction contractor shall ensure that traffic speeds on all unpaved roads be reduced to 15 mph (25 kph) or less.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Traffic speed control	During construction
AQ-22	Prior to the approval of plans and specifications, the USACE shall ensure that plans and specifications specify that all heavy equipment shall be maintained in a proper state of tune as per the manufacturer's specifications.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Plan check for vehicular tuning specifications	Prior to construction (plans & specs)
AQ-23	Deleted. (Similar to AQ-5)	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	N/A	N/A	N/A

MITIGATION MONITORING AND REPORTING PROGRAM
SANTA ANA MAINSTEM PROJECT: PRADO BASIN, NORCO BLUFFS AND REACH 9

Number	Mitigation Measures	Source	Responsibility	Implementing Action	Timing
AQ-24	The USACE shall contact local jurisdictions, including jurisdictions affected by haul routes, prior to each phase of construction to identify other planned construction projects in the local vicinity. If other construction projects are identified in the local vicinity that would occur at the same time as construction for the project, the USACE shall coordinate with local officials to identify possible methods for reducing cumulative effects, including modifying construction schedules, modifying haul routes, modifying equipment mixes, and other reasonable and feasible measures that could reduce the magnitude of the combined effects of construction activities.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE	Contact local jurisdictions to determine timing of other construction project hauling activities	Prior to and during construction
N-4	In areas of noise sensitivity such as the residential uses at Green River Mobile Home Park and Green River Housing Estates, the construction contractor shall erect temporary noise barriers where feasible to limit direct line-of-sight noise impacts during construction.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Erect temporary noise barriers in sensitive land use areas	During construction
CR-7	Archival research, test excavations and NRHP evaluations shall be conducted by a qualified archaeologist for historic site PB-145, the Alta Vista site. The USACE shall coordinate with the California State Historic Preservation Officer [following] these studies. If PB-145 is determined to be NRHP eligible, a treatment plan shall be developed and implemented in accordance with the Programmatic Agreement.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified archaeologist)	Conduct archival research, test excavations and NRHP evaluations/Coordinate with CSHP officer	Prior to construction
CR-8	Monitoring of construction by a qualified archaeologist shall be required during construction.	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	USACE (implemented by a qualified archaeologist)	Construction monitoring	During construction
III.I.	Negotiate Memorandum of Agreement, including mitigation program design, for National Register eligible sites.	1988 GDM Phase II SEIS	USACE	Negotiate MOA for National Register eligible sites	Prior to construction
LU-2	The construction or maintenance contractor shall keep bike trails open at all times and provide detour alignments as necessary. The contractor shall provide signage to alert trail users of construction zones, and detours shall be provided along with flag personnel, and fencing as necessary for safety. Prior to construction or maintenance activity, the contractor shall obtain approval from the Manager, County of Orange, Public Facilities and Resources Department, [Harbors,] Beaches and Parks, of detour plans that include a diagram and text describing the proposed detour and safety measures. After construction, the contractor shall restore the trail to original condition. Repairs shall be coordinated with County of Orange, Public Facilities and Resources Department, [Harbors, Beaches and Parks,] Supervising Maintenance Technician [Chief, Maintenance Systems].	2001 Prado Basin, Reach 9, Norco Bluffs SEIS/EIR	Construction contractor	Review of construction specifications/Keep bicycle trails open and provide for detours	During and after construction
III.E.	Avoid closing bridges. Avoid reducing traffic capacity on two adjacent bridges simultaneously. Use signing and flagmen.	1988 GDM Phase II SEIS	USACE	Construction monitoring	During construction

[] Text in brackets is corrected from FSEIS/R.



M E M O R A N D U M

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

DATE: June 6, 2011

TO: Kecia Harper-Ihem, Clerk of the Board

FROM: Stuart E. McKibbin, Chief of Regulatory Division *SEMPKb*

RE: Prado Basin and Vicinity, Including Reach 9 and Stabilization
of the Bluff Toe at Norco Bluffs Project

The Board is scheduled to approve the above project on June 14, 2011. The CEQA Notice of Determination (NOD) will need to be posted at the County Clerk-Recorder's office within five days of the Board's approval. It is our understanding that your office is responsible for ensuring that the NOD is posted following the Board's approval.

The County Clerk-Recorder's office requires that a total of \$64.00 in fees be paid before they will post the NOD. We are enclosing an Authorization to Bill Form for the County Clerk-Recorder in the amount of \$64.00. Please use this form to post the NOD at the Clerk-Recorder's office. Please note that your office must also send the Notice of Determination to the State Office of Planning and Research. However, the State does not require any fees to post documents.

When transmitting the NOD to the Clerk-Recorder's Office, please inform them that the California Department of Fish and Game Fees were previously paid when a NOD was posted on December 19, 2001 by the County of Orange for the same project. To demonstrate this to the Clerk-Recorder's Office, we are enclosing a copy of the previously filed NOD and the related Environmental Filing Fee Cash Receipt. Thus, a total of \$64.00 is required to post the NOD at this time.

If you have any questions regarding this matter, please contact me at 51233 or Jason Swenson at 58082. We would like to thank you in advance for your assistance in this matter.

Enclosures

JDS:mcv
P8\137740

RIVERSIDE COUNTY CLERK-RECORDER

AUTHORIZATION TO BILL

TO BE FILLED OUT BY SUBMITTING AGENCY

DATE: 5/16/2011 BUSINESS
UNIT/AGENCY: FLOOD CONTROL - FCARC

ACCOUNTING STRING:

ACCOUNT: 526410 FUND: 25120
DEPT ID: 947420 PROGRAM:

AMOUNT: \$64.00REF: CEQA Final Posting, SANTA ANA RIVER REACH 9, PHASE 2A 222-28-00105-00-30

THIS AUTHORIZES THE COUNTY CLERK & RECORDER TO ISSUE AN INVOICE
FOR PAYMENT OF ALL FEES FOR THE ACCOMPANYING DOCUMENTS.

NUMBER OF DOCUMENTS INCLUDED: 1AUTHORIZED BY: LISA MCFARLANDPRESENTED BY: STUART E MCKIBBINCONTACT: LISA MCFARLAND (58357)**TO BE FILLED OUT BY COUNTY CLERK**

ACCEPTED BY: _____

DATE: _____

DOCUMENT NO(S)/INVOICE NO(S): _____



County of Orange
NOTICE OF DETERMINATION

POSTED

DEC 19 2001

GARY L. GRANVILLE, Clerk-Recorder
By _____ DEPUTY

Project Charge No. PP:

FEE; EXEMPT PER GOVT.
CODE SECTION 6103

TO: County Clerk, County of Orange
FROM: Planning and Development Services Department

FILED
DEC 19 2001

SUBJECT: Filing of Notice of Determination in Compliance with Section 21108 or 21152 of the Public Resources Code

GARY L. GRANVILLE, Clerk-Recorder
By _____ DEPUTY

Project Title:	Santa Ana River Project	Type of Document Previous FEIR
State Clearinghouse Number:	97071087	Previously certified or adopted? If yes, provide document number and certification date :EIR No. 583 12/19/01
Contact Persons:	Project Manager – Ahmad Olomi CEQA Project Manager – Lisa Cibellis	
Owner:	Corps of Engineers/OCFCD	
Project Location:	Santa Ana River Mainstem Project	
Project Description:	Prado Dam and Vicinity, Reach 9 and Norco Bluffs	

Notice is hereby given that the County of Orange as lead agency, Public Facilities and Resources Department , has made the following determination on the above-described project:

1. The project was approved by Planning Commission on 12/19/01
2. The project will have a significant effect on the environment.
 An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
 A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation Measures were incorporated into the project through conditions of approval and project design.
4. For this project a Statement of Overriding considerations was adopted.
5. Findings were made pursuant to CEQA Guidelines 15091 (Statement of Facts and Findings).
6. A copy of the EIR 583 and the record of the project approval is on file and be examined at:

Planning & Development Services Department,
Environmental & Project Planning Services Division ,
300 N. Flower, Room 321
Santa Ana, California 92702-4048.
(714) 834-5550.

170.52.202
850.00 0.00 0.00 0.00 0.00 0.00 0.00
200185001421 03:45pm 12/19/01
850.00

Recorded in Official Records, County of Orange
Gary Granville, Clerk-Recorder

Date: 12/19/01

Signature: Ahmad R. Olomi
Title: Sr. Civil Engineer

Ish & Game Fee Finding: EIR - \$850.00

Previously Paid Receipt No. (See Attached): 149885014270



STATE OF CALIFORNIA - THE RESOURCES AGENCY
DEPARTMENT OF FISH AND GAME
ENVIRONMENTAL FILING FEE CASH RECEIPT
DFG 753.5a (6-01)

211540

4LE# 370573 211540

12/19/01

Date: 12/19/01

Document No.: _____

Lead Agency: PDS

County / State Agency of Filing: D.C. Clerk - Recorder

Project Title: Santa Ana River Project

Project Applicant Name: OCFCD

Project Applicant Address: 300 N Flower St Santa Ana 92702

Ahmad Clem
Phone Number: 834-2968

Project Applicant (check appropriate box): Local Public Agency School District Other Special District
State Agency Private Entity

CHECK APPLICABLE FEES:

- | | |
|---|---------------------|
| (<input checked="" type="checkbox"/> Environmental Impact Report | \$850.00 \$ 850.00 |
| (<input type="checkbox"/> Negative Declaration | \$1,250.00 \$ _____ |
| (<input type="checkbox"/> Application Fee Water Diversion (State Water Resources Control Board Only) | \$850.00 \$ _____ |
| (<input type="checkbox"/> Projects Subject to Certified Regulatory Programs | \$850.00 \$ _____ |
| (<input type="checkbox"/> County Administrative Fee | \$25.00 \$ _____ |
| (<input checked="" type="checkbox"/> Project that is exempt from fees
6105 | <i>Exempt</i> |

TOTAL RECEIVED \$ 850.00

Signature and title of person receiving payment:

WHITE-PROJECT APPLICANT

YELLOW-DFG/FASB

PINK-LEAD AGENCY

GOLDENROD-STATE AGENCY OF FILING

California State Clearinghouse Handbook**Notice of Determination****Form C**

To: Office of Planning and Research
 P.O. Box 3044, 1400 Tenth Street, Room 222
 Sacramento, CA 95812-3044

From: Riverside County Flood Control District
 1995 Market Street
 Riverside, CA 92501

County Clerk
 County of Riverside
 2724 Gateway Drive
 Riverside, CA 92507

Subject: Filing of Notice of Determination in Compliance with Section 21108 or 21152 of the Public Resources Code.

Project Title:

Prado Basin and Vicinity, Including Reach 9 and Stabilization of the Bluff Toe at Norco Bluffs Project

97071087
 State Clearinghouse Number
 (If submitted to Clearinghouse)

Arturo Diaz
 Responsible Agency
 Contact Person

951.955.1233
 Area Code/Telephone/Extension

Project Location (include county):

The proposed project is located upstream of Prado Basin along the Norco Bluffs, Prado Basin and Reach 9 of the Santa Ana River in the cities of Norco and Corona and the counties of Riverside and Orange, California.

Project Description:

The proposed project consists of flood control improvements to Prado Dam and vicinity that will be constructed by the U.S. Army Corps of Engineers (Corps). The District, as a CEQA responsible agency, will be acquiring right-of-way and approving construction within District right-of-way for this project. Pursuant to CEQA and NEPA, the County of Orange as the CEQA lead agency and the Corps as the NEPA lead agency certified the Final Supplemental Environmental Impact Statement/Environmental Impact Report (SEIS/EIR) for the Prado Basin and Vicinity, Including Reach 9 and Stabilization of the Bluff Toe at Norco Bluffs in December, 2001. The Corps also prepared a Supplemental Environmental Assessment (SEA)/CEQA Addendum to the SEIS/EIR in March 2011 to address minor technical project changes and demonstrate compliance with the Western Riverside County Multiple Species Habitat Conservation Plan for the Santa Ana River Flood Control Project Reach 9, Phase 2A Embankment. The District has reviewed the SEA/CEQA Addendum to the SEIS/EIR and has made the determination that none of the conditions described in Section 15162 of the CEQA Guidelines calling for the preparation of a subsequent EIR have occurred. The SEA/CEQA Addendum has been prepared pursuant to Section 15164 of the CEQA Guidelines.

This is to advise that the Riverside County Flood Control and Water Conservation District has considered the SEIS/EIR and

____ Lead Agency Responsible Agency
 approved the above described project on June 14, 2011 and has made the following determinations regarding the above described project:

1. A Final Environmental Impact Report has been certified by the Lead Agency.
2. Pursuant to CEQA, the District considered and accepted the Addendum as adopted by the Corps.
3. The project will have a significant effect on the environment.
4. Mitigation Measures were made a condition of the approval of the project.
5. A statement of Overriding Considerations was adopted for this project.
6. Findings were made pursuant to the provisions of CEQA.

This is to certify that the record of project approval is available to the General Public at:

The Office of Clerk of the Board, County Administrative Center, 4080 Lemon Street, Riverside, CA 92501

 Signature (Public Agency)

 Date

 Title

Date received for filing at OPR:

Revised January 2001