



California Regional Water Quality Control Board San Diego Region



Matthew Rodriguez
Secretary for
Environmental Protection

Over 50 Years Serving San Diego, Orange, and Riverside Counties
Recipient of the 2004 Environmental Award for Outstanding Achievement from U.S. EPA

9174 Sky Park Court, Suite 100, San Diego, California 92123-4353
(858) 467-2952 • Fax (858) 571-6972
<http://www.waterboards.ca.gov/sandiego>

Edmund G. Brown Jr.
Governor

February 3, 2012

In reply refer to:
755611:jebsen

Mr. James Smyth
Sweetwater Authority
505 Garrett Avenue
P.O. Box 2328
Chula Vista, CA 91912

Dear Mr. Smyth:

**SUBJECT: Action on Amendment Request for Clean Water Act Section 401
Water Quality Certification for 36-inch Raw Water Pipeline
Replacement Project, 10C-061**

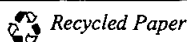
The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) is amending the 401 Water Quality Certification for the 36-inch Raw Water Pipeline Replacement Project 10C-061. This decision is based on the information provided in your November 23, 2011 submittal. This amendment is necessary to change the due date for mitigation completion in order to do active planting during optimum planting conditions, allow use of locally grown plants and avoid planting during the sensitive bird nesting season. Therefore the project conditions are changed accordingly:

IV. ADDITIONAL CONDITIONS: COMPENSATORY MITIGATION

- C. The construction of proposed mitigation for temporary impacts as described in *Compensatory Mitigation and Revegetation Plan for Sweetwater Authority 36-inch Raw Water Pipeline Replacement Project, ESA, dated August 29, 2011*, must be completed no later than December 2012. ~~9 months following the initial discharge of dredge or fill material into on-site waters.~~ Delays in implementing mitigation must be compensated for by an increased mitigation implementation of 10 percent of the cumulative compensatory mitigation for each month of delay.

Any petition for reconsideration of this Certification must be filed with the State Water Resources Control Board within 30 days of certification action (23 CCR § 3867). If no petition is received, it will be assumed that you have accepted and will comply with all the conditions of this Certification.

California Environmental Protection Agency



www.waterboards.ca.gov

James Smyth
Sweetwater Authority
10C-061

- 2 -

February 3, 2011

Failure to comply with all conditions of this Certification may subject you to enforcement actions by the San Diego Water Board including administrative enforcement orders requiring you to cease and desist from violations, or to clean up waste and abate existing or threatened conditions of pollution or nuisance; administrative civil liability, referral to the State Attorney General for injunctive relief; and, referral to the District Attorney for criminal prosecution.

In the subject line of any response, please include the requested "In reply refer to:" information located in the heading of this letter. If you have any questions regarding this notification, please contact Ms. Jody Ebsen directly at 858-636-3146 or by email via jebsen@waterboards.ca.gov.

Respectfully,



for *James G. Smith, AEO*
DAVID W. GIBSON

Executive Officer
San Diego Regional Water Quality Control Board

Enclosure:

Clean Water Act Section 401 Water Quality Certification No. 10C-061 36-inch Raw Water Pipeline Replacement Project, with 4 attachments

cc: Refer to Attachment 2 of Certification for Distribution List.

Tech Staff Info & Use	
File No.	10C-061
WDID	9000002110
Reg. Measure ID	375243
Place ID	755611
Party ID	45074
Person ID	471618



California Regional Water Quality Control Board

San Diego Region



Linda S. Adams
Acting Secretary for
Environmental Protection

Over 50 Years Serving San Diego, Orange, and Riverside Counties
Recipient of the 2004 Environmental Award for Outstanding Achievement from USEPA

Edmund G. Brown Jr.
Governor

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[http:// www.waterboards.ca.gov/sandiego](http://www.waterboards.ca.gov/sandiego)

Action on Request for
Clean Water Act Section 401 Water Quality Certification
and Waste Discharge Requirements
for Discharge of Dredged and/or Fill Materials

PROJECT: 36-inch Raw Water Pipeline
Replacement Project,
Water Quality Certification 10C-61,
WDID: 9 00002110

APPLICANT: Sweetwater Authority
Attention: James Smyth
505 Garrett Avenue
Post Office Box 2328
Chula Vista, CA 91912

CIWQS Reg. Meas. ID: 375243 Place ID: 755611 Party ID: 45074

ACTION:

<input type="checkbox"/> Order for Low Impact Certification	<input type="checkbox"/> Order for Denial of Certification
<input checked="" type="checkbox"/> Order for Technically-conditioned Certification	<input type="checkbox"/> Waiver of Waste Discharge Requirements
<input checked="" type="checkbox"/> Enrollment in SWRCB GWDR Order No. 2003-017 DWQ	<input type="checkbox"/> Enrollment in Isolated Waters Order No. 2004-004 DWQ

PROJECT DESCRIPTION:

In May 2010 a break in the 36-inch raw water pipeline below the Sweetwater Dam was discovered. Emergency permits were secured to repair the pipeline. As a result Sweetwater Authority became aware of the deteriorated state of the pipeline and the critical need to replace the entire structure. The 122 year-old pipeline conveys water stored in the Sweetwater Reservoir to the water treatment plant. Approximately 630 feet of the raw water pipeline will be replaced with concrete mortar lined welded steel pipe. The site is located in the Sweetwater River hydrologic unit (909.10). The project will have 0.14 acres (400 linear feet) of permanent impacts, and 0.36 acres (630 linear feet) of temporary impacts to wetlands below the dam along the Sweetwater River.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at <http://www.swrcb.ca.gov>.

Recycled Paper



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I. STANDARD CONDITIONS:

The following three standard conditions apply to all Certification actions, except as noted under Condition 3 for denials (Action 3).

- A. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the California Water Code and section 3867 of Title 23 of the California Code of Regulations (23 CCR).
- B. This Certification action is not intended and must not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
- C. The validity of any non-denial Certification action (Actions 1 and 2) must be conditioned upon total payment of the full fee required under 23 CCR section 3833, unless otherwise stated in writing by the certifying agency.

II. ADDITIONAL CONDITIONS: GENERAL

- A. Water Quality Certification No. 10C-061 (Certification) is only valid if the project begins no later than 5 (five) years from the date of issuance. If the project has not begun within 5 years from the date of issuance, then this Certification expires.
- B. Sweetwater Authority must comply with the requirements of State Water Resources Control Board Water Quality Order No. 2003-0017-DWQ, *Statewide General Waste Discharge Requirements for Discharges of Dredged or Fill Material That Have Received State Water Quality Certification*. These General Waste Discharge Requirements are accessible at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/generalorders/go_wdr401regulated_projects.pdf.
- C. Sweetwater Authority must, at all times, fully comply with the engineering plans, specifications and technical reports submitted to the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board), to support this Certification and all subsequent submittals required as part of this Certification and as described in Attachment 1.

The conditions within this Certification must supersede conflicting provisions within such plans submitted prior to the Certification action. Any modifications thereto, would require notification to the San Diego Water Board and reevaluation for individual Waste Discharge Requirements and/or Certification amendment.

- D. During construction, Sweetwater Authority must maintain a copy of this Certification at the Project site so as to be available at all times to site personnel and agencies.
- E. Sweetwater Authority must permit the San Diego Water Board or its authorized representative at all times, upon presentation of credentials:
 - 1. Entry onto Project premises, including all areas on which wetland fill or wetland mitigation is located or in which records are kept.
 - 2. Access to copy any records required to be kept under the terms and conditions of this Certification.
 - 3. Inspection of any treatment equipment, monitoring equipment, or monitoring method required by this Certification.
 - 4. Sampling of any discharge or surface water covered by this Order.
- F. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation must be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
- G. In response to a suspected violation of any condition of this Certification, the San Diego Water Board may pursuant to Water Code sections 13267 and 13383, require the holder of any permit or license subject to this Certification to investigate, monitor and report information on the violation. The only restriction is that the burden, including costs, of preparing the reports must bear a reasonable relationship to the need for and the benefits to be obtained from the reports.
- H. In response to any violation of the conditions of this Certification, or if the results of the project have unintended impacts to water quality, the San Diego Water Board may modify the conditions of this Certification as appropriate to ensure compliance.

III. ADDITIONAL CONDITIONS: CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. Prior to the start of the project, and annually thereafter, Sweetwater Authority must educate all personnel on the requirements in this Certification, pollution prevention measures, spill response, and Best Management Practices (BMPs) implementation and maintenance.
- B. Sweetwater Authority must, at all times, maintain appropriate types and sufficient quantities of materials on-site to contain any spill or inadvertent release of materials that may cause a condition of pollution or nuisance if the materials reach waters of the United States and/or State.
- C. Sweetwater Authority must enroll in and comply with the requirements of State Water Resources Control Board Water Quality Order No. 2009-0009-DWQ, NPDES No. CAS000002, *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities*.
- D. The treatment, storage, and disposal of wastewater during the life of the project must be done in accordance with waste discharge requirements established by the San Diego Water Board pursuant to CWC § 13260.
- E. Discharges of concentrated flow during construction or after completion must not cause downstream erosion or damage to properties or stream habitat.
- F. Water containing mud, silt, or other pollutants from equipment washing or other activities, must not be discharged to waters of the United States and/or State or placed in locations that may be subjected to storm flows. Pollutants discharged to areas within a stream diversion area must be removed at the end of each work day or sooner if rain is predicted.
- G. All surface waters, including ponded waters, must be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. Diversion activities must not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Any temporary dam or other artificial obstruction constructed must only be built from materials such as clean gravel which will cause little or no siltation. Normal flows must be restored to the affected stream immediately upon completion of work at that location.
- H. Substances hazardous to aquatic life including, but not limited to, petroleum products, raw cement/concrete, asphalt, and coating materials, must be prevented from contaminating the soil and/or entering waters of

- J. Any maintenance activities that do not contribute to the success of the mitigation site and enhancement of beneficial uses and ecological functions and services are prohibited. Maintenance activities are limited to the removal of trash and debris, removal of exotic plant species, replacement of dead native plant species and remedial measures deemed necessary for the success of the restoration program.
- K. If at any time during the implementation and establishment of the mitigation area(s), and prior to verification of meeting success criteria, a catastrophic natural event (e.g., fire, flood) occurs and impacts the mitigation area, Sweetwater Authority is responsible for repair and replanting of the damaged area(s).
- L. For purposes of this Certification, establishment is defined as the creation of vegetated or unvegetated waters of the United States and/or State where the resource has never previously existed (e.g. conversion of nonnative grassland to a freshwater marsh). Restoration is divided into two activities, re-establishment and rehabilitation. Re-establishment is defined as the return of natural/historic functions to a site where vegetated or unvegetated waters of the United States and/or State previously existed (e.g., removal of fill material to restore a drainage). Rehabilitation is defined as the improvement of the general suite of functions of degraded vegetated or unvegetated waters of the United States and/or State (e.g., removal of a heavy infestation or monoculture of exotic plant species from jurisdictional areas and replacing with native species). Enhancement is defined as the improvement to one or two functions of existing vegetated or unvegetated waters of the United States and/or State (e.g., removal of small patches of exotic plant species from an area containing predominantly natural plant species). Preservation is defined as the acquisition and legal protection from future impacts in perpetuity of existing vegetated or unvegetated waters of the United States and/or State (e.g., conservation easement).

V. NOTIFICATION REQUIREMENTS:

- A. Sweetwater Authority must report to the San Diego Water Board any noncompliance which may endanger human health or the environment. Any information shall be provided orally within 24 hours from the time the Sweetwater Authority becomes aware of the circumstances. A written submission shall also be provided within five (5) days of the time the Sweetwater Authority becomes aware of the circumstances. The written submission shall contain a written description of the incident and its cause, the period of the noncompliance including exact dates and times, and if the and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate,

and prevent reoccurrence of the noncompliance. The San Diego Water Board may waive the above-required written report under this provision on a case-by-case basis if an oral report has been received within 24 hours.

- B. This Certification is not transferable in its entirety or in part to any person except after notice to the San Diego Water Board in accordance with the following terms:
1. **Transfer of Property Ownership:** Sweetwater Authority must notify the San Diego Water Board of any change in ownership of the project area. Notification of change in ownership must include, but not be limited to, a statement that Sweetwater Authority has provided the purchaser with a copy of the Section 401 Water Quality Certification and that the purchaser understands and accepts the certification requirements and the obligation to implement them or be subject to liability for failure to do so; the seller and purchaser must sign and date the notification and provide such notification to the Executive Officer of the San Diego Water Board **within 10 days of the transfer of ownership.**
 2. **Transfer of Mitigation Responsibility:** Any notification of transfer of responsibilities to satisfy the mitigation requirements set forth in this Certification must include a signed statement from an authorized representative of the new party (transferee) demonstrating acceptance and understanding of the responsibility to comply with and fully satisfy the mitigation conditions and agreement that failure to comply with the mitigation conditions and associated requirements may subject the transferee to enforcement by the San Diego Water Board under Water Code section 13385, subdivision (a). Notification of transfer of responsibilities meeting the above conditions must be provided to the San Diego Water Board **within 10 days of the transfer date.**
 3. **Transfer of Post-Construction BMP Maintenance Responsibility:** Sweetwater Authority assumes responsibility for the inspection and maintenance of all post-construction structural BMPs until such responsibility is legally transferred to another entity. At the time maintenance responsibility for post-construction BMPs is legally transferred Sweetwater Authority must submit to the San Diego Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer specifications.

Upon properly noticed transfers of responsibility, the transferee assumes responsibility for compliance with this Certification and references in this Certification to Sweetwater Authority will be interpreted to refer to the transferee as appropriate. Transfer of responsibility does not necessarily

relieve Sweetwater Authority of this Certification in the event that a transferee fails to comply.

- C. Sweetwater Authority must notify the San Diego Water Board in writing at **least 5 days prior to** the actual commencement of dredge, fill, and discharge activities.
- D. **Prior to construction** Sweetwater Authority must provide the San Diego Water Board with a letter of commitment for the purchase of 1.14 acres mitigation credits from the Rancho Jamul Mitigation Bank.
- E. **Within 6 months of construction commencement**, Sweetwater Authority must provide the San Diego Water Board with a receipt for the purchase of 1.14 acres mitigation credits from Rancho Jamul Mitigation Bank.

VI. REPORTING REQUIREMENTS:

- A. Sweetwater Authority must submit annual progress reports describing status of compliance with all requirements of this Certification to the San Diego Water Board prior to **August 1** of each year following the issuance of this Certification until the project has reached completion. Sweetwater Authority must submit a Final Project Annual Report to the San Diego Water Board **prior to August 1 following completion of the project**. The reports must include the following:
 - 1. Date of construction initiation.
 - 2. Projected date of construction completion.
 - 3. Status of BMPs for the project.
 - 4. Final Project Report: As-built drawings no bigger than 11"X17."
- B. Mitigation monitoring reports must be submitted annually until mitigation has been deemed successful. Annual monitoring reports must be submitted **prior to December 1 of each year**. Monitoring reports must include, but not be limited to, the following:
 - 1. Names, qualifications, and affiliations of the persons contributing to the report;
 - 2. Date of initiation of mitigation installation and date mitigation installation was completed.

3. Mitigation as-builts, including topography maps and planting locations.
 4. Tables presenting the raw data collected in the field as well as analyses of the physical and biological data;
 5. Topographic complexity characteristics at each mitigation site;
 6. Upstream and downstream habitat and hydrologic connectivity;
 7. Source of hydrology;
 8. Width of native vegetation buffer around the entire mitigation site;
 9. Qualitative and quantitative comparisons of current mitigation conditions with pre-construction conditions and previous mitigation monitoring results.
 10. Stream Photo-documentation, including all areas of permanent and temporary impact, prior to and after project construction, and mitigation areas, including all areas of permanent and temporary impact, prior to and after project construction. Photo-documentation must be conducted in accordance with guidelines posted at http://www.waterboards.ca.gov/sandiego/water_issues/programs/401_certification/docs/StreamPhotoDocSOP.pdf. In addition, photo-documentation must include Geographic Positioning System (GPS) coordinates for each of the photo points referenced.
 11. A Survey report documenting boundaries of mitigation area, including Geographic Information System (GIS) shape files (polygons) of the impact and mitigation areas (Two GPS readings (points) must be taken on each line of the polygon and the polygon must have a minimum of 10 points). GIS metadata must also be submitted.
- C. The submittal of information under this Certification is required pursuant to California Water Code (CWC) sections 13267 and 13283. Civil liability may be administratively imposed by the San Diego Water Board for failure to submit required information pursuant to CWC section 13268 or 13385.
- D. All reports and information submitted to the San Diego Water Board must be submitted in both hardcopy and electronic format. The preferred electronic format for each report submission is one file in PDF format that is also Optical Character Recognition (OCR) capable.
- E. All applications, reports, or information submitted to the San Diego Water Board must be signed and certified as follows:

1. For a corporation, by a responsible corporate officer of at least the level of vice president.
 2. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 3. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
 4. A duly authorized representative may sign applications, reports, or information if:
 - a. The authorization is made in writing by a person described above.
 - b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - c. The written authorization is submitted to the San Diego Water Board Executive Officer.
- F. All applications, reports, or information submitted to the San Diego Water Board must be signed and certified as follows:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

- G. Sweetwater Authority must submit reports required under this Certification, or other information required by the San Diego Water Board, to:

Executive Officer
California Regional Water Quality Control Board
San Diego Region
Attn: 401 Certification; Project No. 10C-061
9174 Sky Park Court, Suite 100
San Diego, California 92123

VII. CEQA FINDINGS:

- A. The Sweetwater Authority is the lead agency under the California Environmental Quality Act (Public Resources Code section 21000, et seq., (CEQA)), and filed a Notice of Determination on July 13, 2011, for a Mitigated Negative Declaration under CEQA Guidelines Title 14, California Code of Regulations. The Sweetwater Authority has determined the project will not have a significant effect on the environment and mitigation measures were made a condition of the project.

- B. The San Diego Water Board has reviewed the lead agency's Mitigated Negative Declaration and also finds that the project as proposed will not have a significant effect on the environment with conditioned mitigation measures and therefore determines that issuance of this Certification is consistent with the Mitigated Negative Declaration.

VIII. PUBLIC NOTIFICATION OF PROJECT APPLICATION:

- A. On July 29, 2010, receipt of the project application was posted on the San Diego Water Board web site to serve as appropriate notification to the public. No public comments were received.

IX. SAN DIEGO WATER BOARD CONTACT PERSON:

Jody Ebsen
California Regional Water Quality Control Board, San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123
858-636-3146
jebsen@waterboards.ca.gov

X. WATER QUALITY CERTIFICATION:

I hereby certify that the proposed discharge from the 36-inch Raw Water Pipeline Replacement Project (Project No. 10C-061) will comply with the applicable provisions of sections 301 ("Effluent Limitations"), 302 ("Water Quality Related Effluent Limitations"), 303 ("Water Quality Standards and Implementation Plans"), 306 ("National Standards of Performance"), and 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "*Statewide General Waste Discharge Requirements for Dredged or Fill Discharges That Have Received State Water Quality Certification (General WDRs)*," which requires compliance with all conditions of this Water Quality Certification. Please note that enrollment under Order No. 2003-017-DWQ is conditional and, should new information come to our attention that indicates a water quality problem, the San Diego Water Board may issue waste discharge requirements at that time.

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the applicants' project description and/or on the attached Project Information Sheet, and (b) on compliance with all applicable requirements of the Water Quality Control Plan for the San Diego Basin Region (9) (Basin Plan).



DAVID W. GIBSON
Executive Officer
Regional Water Quality Control Board

10/10/2011

Date

- Attachments:
1. Project Information
 2. Distribution List
 3. Location Map
 4. Site Maps a and b

**ATTACHMENT 1
PROJECT INFORMATION**

Applicant:

Sweetwater Authority
Attention: James L. Smyth
505 Garret Avenue
Chula Vista, CA 91910
Telephone: (619) 409-6701
Facsimile: (619) 425-9660
Email: jsmyth@sweetwater.org

**Applicant
Representatives:**

Environmental Science Associates
Attention: Mark Tucker
9191 Towne Center Drive
San Diego, CA 92122
Telephone: (858) 638-0918
Facsimile: (858) 638-0910
Email: mtucker@esassoc.com

Project Name:

36-inch Raw Water Pipeline Replacement Project

Project Location:

Latitude: N32.691 Longitude: W117.009

Type of Project:

Water pipeline repair.

Need for Project:

Replacement of the deteriorated pipeline is necessary to ensure continued reliable water supply. The 36-inch pipeline conveys raw water from the Sweetwater Reservoir to the Robert A. Perdue Treatment Plant. The treated water is sent to Sweetwater Authority customers in Chula Vista, National City and Bonita.

Project Description:

In May 2010 a break in the 36-inch raw water pipeline below the Sweetwater Dam was discovered. Emergency permits were secured to repair the pipeline. As a result Sweetwater Authority became aware of the deteriorated state of the pipeline and the critical need to replace the entire structure. The 122 year-old pipeline conveys water stored in the Sweetwater Reservoir to the water treatment plant. Approximately 630 feet of the raw water pipeline will be replaced with concrete mortar lined welded steel pipe. The site is located in the Sweetwater River hydrologic unit (909.10). The project will have 0.14 acres (400 linear feet) of permanent impacts, and 0.36 acres (630 linear feet) of temporary impacts to wetlands below the dam along the Sweetwater River.

Federal Agency/Permit: U.S. Army Corps of Engineers §404, NWP 12, Peggy Bartels.

Other Required Regulatory Approvals: California Department of Fish and Game Streambed Alteration Agreement, Kelly Fisher.

California Environmental Quality Act (CEQA) Compliance: *36-inch Raw Water Pipeline Replacement Project, Initial Study/Mitigated Negative Declaration/Response to Comments*, June 2011, SCH# 2011051007, Sweetwater Authority.

Receiving Water: Sweetwater River in the Sweetwater Hydrologic Unit, Lower Sweetwater Hydrologic Area (909.10).

Related Projects Implemented/to be Implemented by the Applicant(s): N/A

Compensatory Mitigation: Impact to wetlands in the Sweetwater River in the Sweetwater Watershed are limited to:

1. Permanent Impacts:
Wetlands: 0.14 acres, 400 linear feet
2. Temporary Impacts:
Wetlands: 0.36 acres, 630 linear feet

Mitigation for impacts will occur both on-site and off-site at the Rancho Jamul Mitigation Bank which includes:

1. On-site mitigation must be done on 0.36 acres of rehabilitation to southern will scrub.
2. Off-site mitigation must be provided for 1.14 acres of wetlands by purchasing enhancement credits for 1.14 acres from Rancho Jamul Mitigation Bank.

Mitigation Location: Onsite: Latitude: N32.691 Longitude: W117.009
Offsite: Latitude: 32.670304 Longitude: -116.839943

Public Notice: On July 29, 2010, receipt of the project application was posted on the San Diego Water Board web site to serve as appropriate notification to the public. No public comments were received.

Raw Water Pipeline
Sweetwater Dam

10C-061

Fees: Total Due: \$2016.00
Total Paid: \$2016.00 (check No. 122635)

CIWQS: Regulatory Measure ID: 375243
Place ID: 755611
Party ID:45074

**ATTACHMENT 2
Distribution List**

Cc via email:

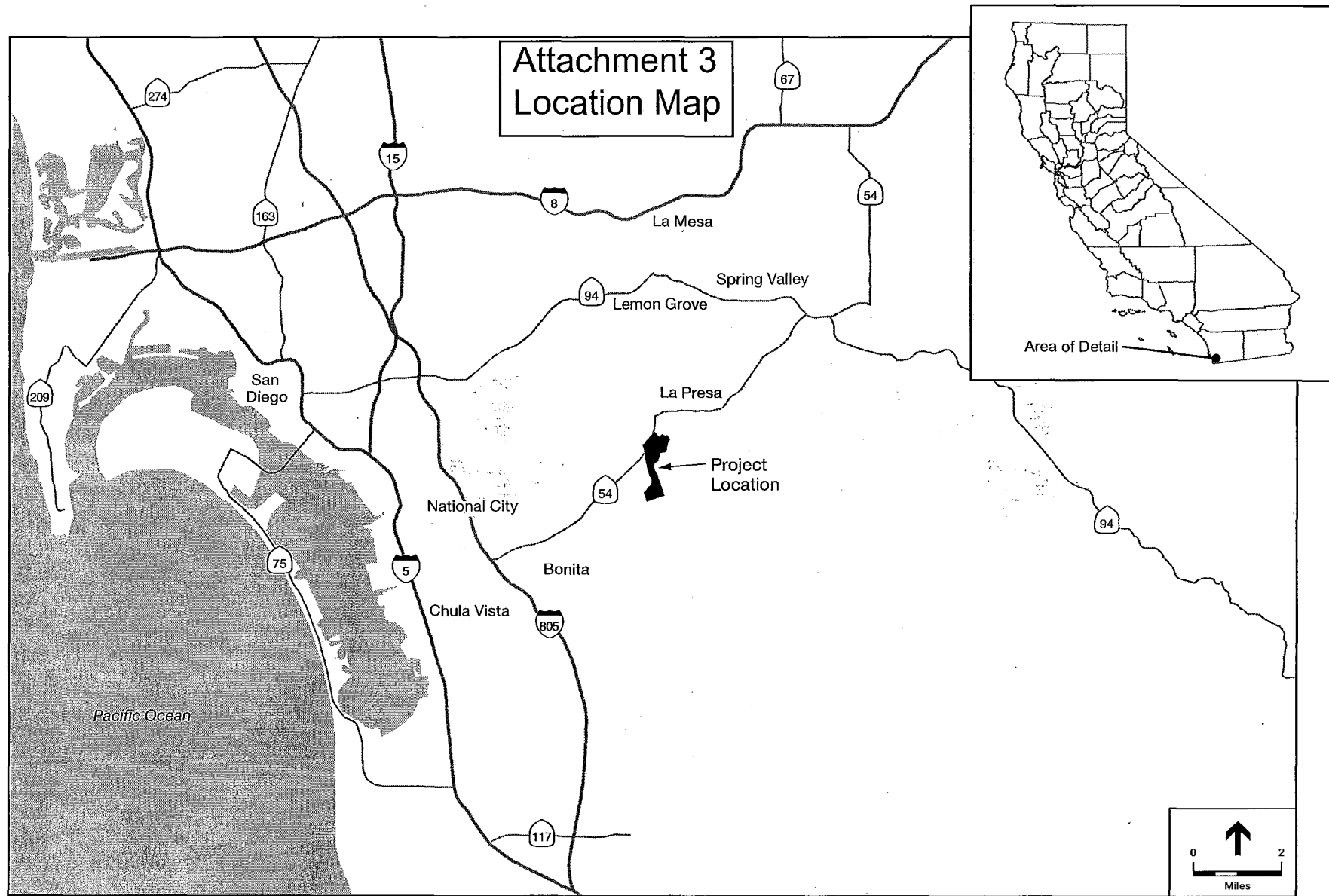
Peggy Bartels
U.S. Army Corps of Engineers, Regulatory Branch
Peggy.J.Bartels@usace.army.mil

State Water Resources Control Board, Division of Water Quality
401 Water Quality Certification and Wetlands Unit
Stateboard401@waterboards.ca.gov

U.S. Environmental Protection Agency, Region 9
Wetlands Regulatory Office
R9-WTR8-Mailbox@epa.gov

David Zoutendyk
U.S. Department of the Interior
Fish and Wildlife Service
david_zoutendyk@fws.gov

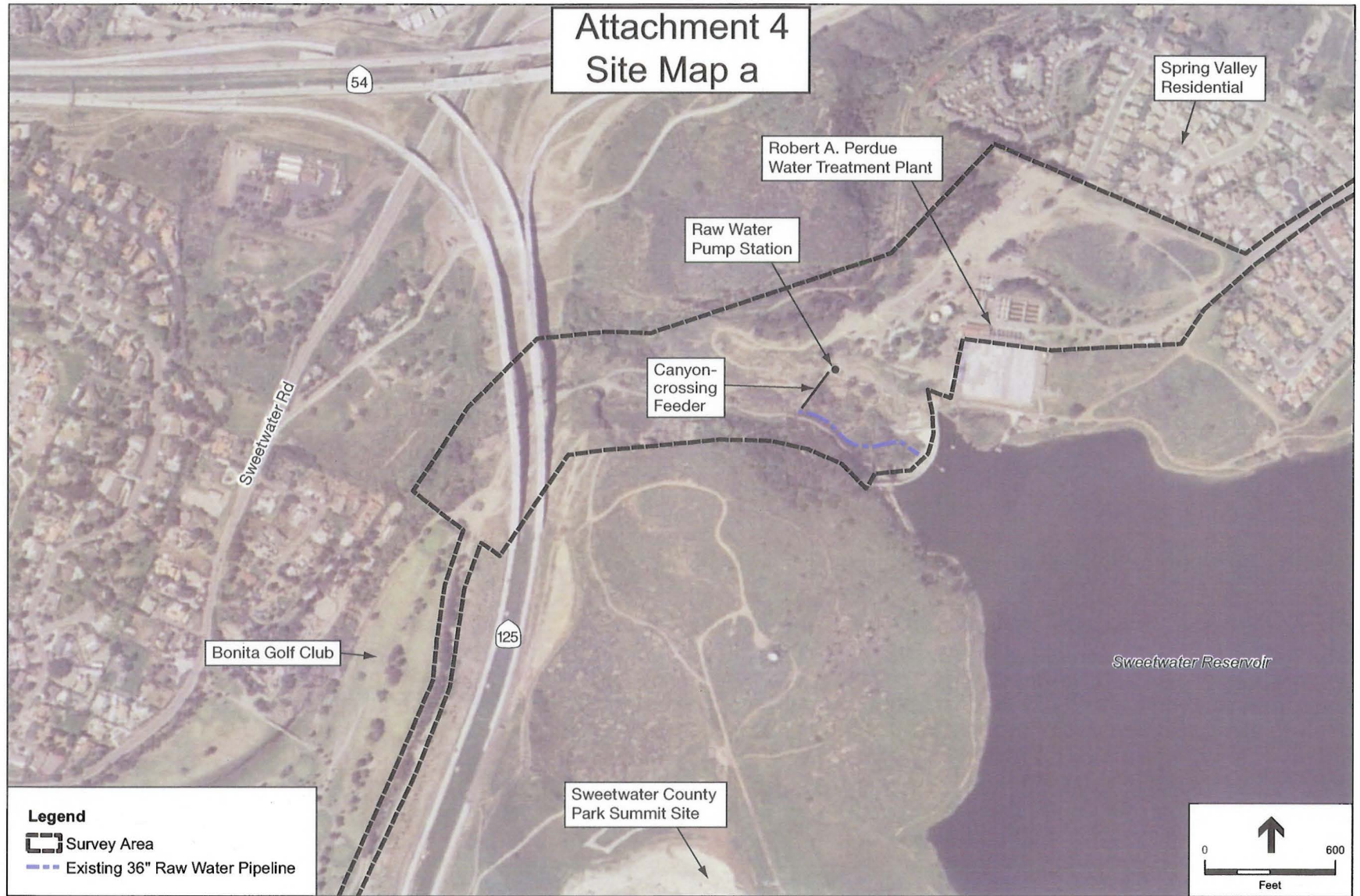
Mark Tucker
Environmental Science Associates
mtucker@esassoc.com



SOURCE: ESA, 2011.

36-Inch Raw Water Pipeline Replacement Project . 210398

Figure 1
Project Location

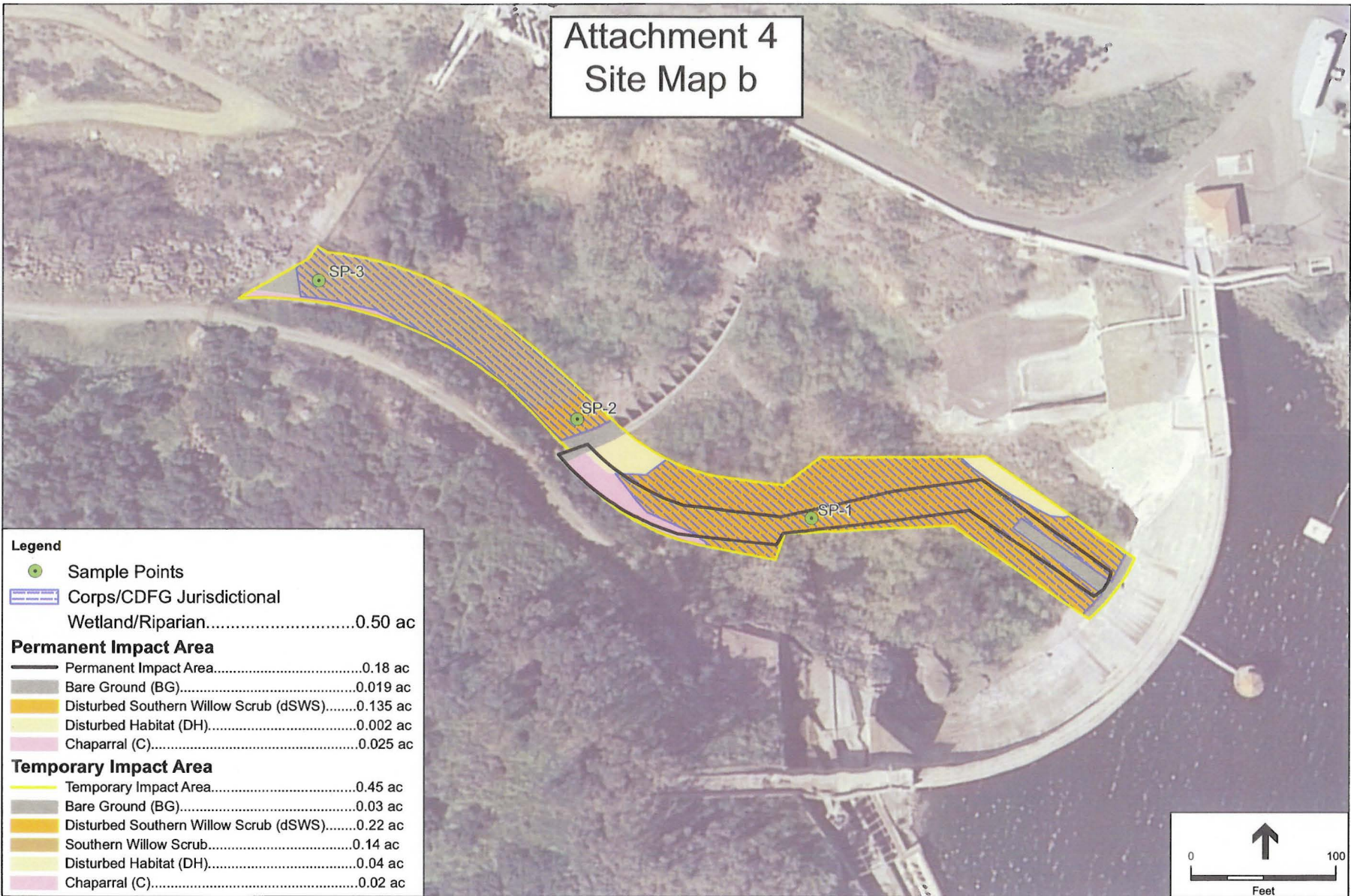


SOURCE: ESA, 2011.

36-Inch Raw Water Pipeline Replacement Project . 210398

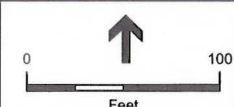
Figure 2
Project Vicinity

Attachment 4 Site Map b



Legend

- Sample Points
- Corps/CDFG Jurisdictional Wetland/Riparian.....0.50 ac
- Permanent Impact Area**
- Permanent Impact Area.....0.18 ac
- Bare Ground (BG).....0.019 ac
- Disturbed Southern Willow Scrub (dSWS).....0.135 ac
- Disturbed Habitat (DH).....0.002 ac
- Chaparral (C).....0.025 ac
- Temporary Impact Area**
- Temporary Impact Area.....0.45 ac
- Bare Ground (BG).....0.03 ac
- Disturbed Southern Willow Scrub (dSWS).....0.22 ac
- Southern Willow Scrub.....0.14 ac
- Disturbed Habitat (DH).....0.04 ac
- Chaparral (C).....0.02 ac



SOURCE: ESA, 2011.

Sweetwater Authority - Sweetwater Reservoir . 210398

Figure 1
Jurisdictional Delineation Map