

RECLAMATION

Managing Water in the West

COPY

**National Environmental Policy Act
FINDING OF NO SIGNIFICANT IMPACT**

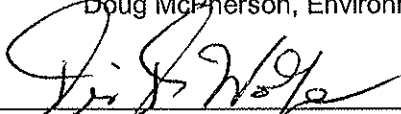
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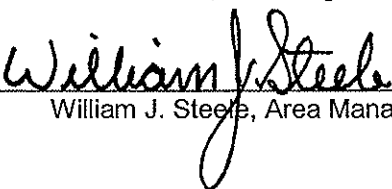
Irvine Basin Groundwater and Surface Water Improvement Projects
(Irvine Desalter Project and South Irvine Brine Line)
Orange County, California

Reclamation Wastewater and Groundwater Study and Facilities Act of 1992
(Title XVI of Public Law 102-575)

Based on our review and evaluation of the certified Environmental Impact Report (SCH No. 89010086) and other supporting documents, we have determined that the proposed action to install groundwater wells, 7.7 miles of potable water pipelines, a 4.7 mile brine line, a pump station, and a 8.2 million gallon per day potable treatment plant to clean up brackish groundwater within the Irvine Subbasin of the Orange County Groundwater Basin in Orange County, California, is not a major Federal action which would significantly affect the quality of the human environment within the meaning of Section 102(2)(C) of the National Environmental Policy Act of 1969. Accordingly, preparation of an environmental impact statement on the proposed action is not required.

Recommended:  Date: 6/6/05
Doug McPherson, Environmental Protection Specialist

Reviewed By:  Date: 6/6/05
Dennis Wolfe, Area Engineer

Approved:  Date: 6/7/05
William J. Steele, Area Manager



U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Southern California Area Office
Temecula, California

BACKGROUND

The Irvine Ranch Water District (District) is seeking Federal funds through the Bureau of Reclamation (Reclamation) for the potable treatment facilities of the Irvine Desalter Project (IDP) and for the South Irvine Brine Line (SIBL) in Orange County, California. The proposed action represents two components of the Irvine Groundwater and Surface Water Improvement Program, authorized under section 1636 of the Reclamation Wastewater and Groundwater Study and Facilities Act of 1992 (Title XVI of Public Law [P.L.] 102-575), as amended.

The IDP is a joint groundwater restoration project by the Orange County Water District (OCWD) and the District to clean up the groundwater in the vicinity of the former El Toro Marine Corps Air Station (MCAS). The IDP consists of three separate treatment facilities, the Potable Treatment Plant (PTP) and two non-potable treatment plants: the shallow groundwater unit (SGU) and principal aquifer treatment plant (CTP). Each system operates independently with separate wells, pipelines and treatment facilities.

Natural geology and past agricultural drainage have caused high levels of total dissolved solids (TDS) and nitrates in the groundwater of the Irvine Subbasin. Separately, past chemical disposal and waste handling practices at the former MCAS have caused seepage of volatile organic compounds (VOCs) into both the shallow and principal aquifers. The VOC contamination is primarily limited to the base property; however, a plume has been identified in the principal aquifer which threatens the main Orange County groundwater basin. Clean up of the VOC contamination utilizing the non-potable treatment facilities (SGU and CTP) is being undertaken by the District and funded by the Department of the Navy under a settlement agreement.

On May 28, 2004, the Irvine Basin Surface and Groundwater Improvement Act (P.L. 108-233) was signed into law, amending Title XVI to authorize Federal funding for up to 25 percent of the potable IDP components and the SIBL. The non-potable IDP components (SGU and CTP) are not part of the proposed action by Reclamation.

PURPOSE AND NEED

The Irvine Groundwater and Surface Water Improvement Program is designed to improve the impaired quality of groundwater and surface water in the Irvine Subbasin. The IDP and SIBL components will provide regional benefits by cleaning up brackish groundwater, producing a new local potable supply, and removing salt brine. The project is intended to improve area groundwater quality, reduce dependency on imported water, and provide a reliable local water supply.

PROJECT DESCRIPTION

The initial IDP potable treatment facilities and SIBL would rehabilitate one existing well and install three new wells, a 4.6 million gallon per day (mgd) reverse osmosis treatment plant, 5.6 miles of potable system pipelines, a 4.7-mile brine line, and one new pump station at the Los Alisos Water Reclamation Plant for brine disposal to the existing Aliso Creek Ocean Outfall. The potable treatment plant will produce 3,982 acre-feet per year (AFY) of potable drinking water. Two existing wells, one additional new well, 2.1 miles of piping and 3.6 mgd additional treatment may be added to the system in the future.

The PTP will treat groundwater from outside the VOC plume to remove TDS and nitrates. The PTP will be located on a vacant parcel in a developed area on the southeast corner of Waterworks Way and Odyssey. The treatment plant, which consists of pretreatment, reverse osmosis, decarbonation, chemical conditioning and disinfection, is designed to meet California Title 22 requirements for drinking water.

See the attached Addendum No. 3 for more project details.

ADOPTION OF EXISTING ENVIRONMENTAL DOCUMENT

The National Environmental Policy Act (NEPA) requires review of a proposed Federal action to determine its impact on the human environment. Council on Environmental Quality (CEQ) regulations direct Federal agencies to cooperate with State and local agencies to the fullest extent possible to reduce duplication between NEPA and State and local requirements (40 CFR 1506.2).

Department of Interior procedures for implementing NEPA encourage tiering of environmental documents and provide for adoption of existing environmental documents if, upon evaluation by a responsible official, it is found to comply with relevant provisions of the CEQ regulations. When appropriate and efficient, a responsible official may augment an environmental document to comply with Reclamation policy for the protection of Indian Trust Assets, executive orders for Indian Sacred Sites (EO 13007), Cultural Resources, Hazardous Materials, Federally listed species, and Environmental Justice.

In accordance with CEQ regulations for implementing the procedural requirements of NEPA, Reclamation has reviewed the supplied documents and considers the EIR and subsequent addenda, augmented by compliance with Section 106 of the National Historic Preservation Act, to adequately disclose the environmental effects of the proposed action. Reclamation will adopt the EIR with augmentation in accordance with CEQ regulations (40 CFR 1506.3) and Department of the Interior policies for implementing NEPA (516 DM 3.6).

PUBLIC REVIEW

A public notice was published in the Orange County Register on April 22, 2005, announcing the availability of a draft FONSI based on our review of the environmental documents prepared by the OCWD. The draft FONSI and supporting documents were posted on the Southern California Area Office website at <http://www.usbr.gov/lc/socal/> and were submitted to the California State Clearinghouse. One comment letter was received from the California Department of Transportation (Caltrans) advising of encroachment permit requirements for activities within the Caltrans right-of-way.

RESPONSE TO COMMENTS

The project will require an encroachment permit from Caltrans. The IRWD will comply with Caltrans permit requirements.

CALIFORNIA ENVIRONMENTAL ANALYSIS PROCESS

As the Lead Agency under the California Environmental Quality Act (CEQA), the OCWD certified an Environmental Impact Report (EIR), State Clearinghouse No. 89010086, on May 16, 1990, following a public review period. Three addenda were subsequently certified to address minor project modifications.

Addendum No. 1 was certified by OCWD on May 19, 1993, to address relocating the treatment plant to a new site not included among the five alternatives considered in the EIR. The new alternative is adjacent to IRWD's headquarters and in proximity to Site 3.

On June 6, 2001, the OCWD certified Addendum No. 2, to reconfigure the project into two separate production and treatment systems: nonpotable and potable. The reconfigured systems were designed to be separate treatment systems housed at one site. Several alternative well sites were also identified.

On September 15, 2004, the OCWD certified Addendum No. 3 which evaluated design modifications to the potable treatment system consisting of a relocated site for the potable treatment plant, additional potable wells, new locations of potable well sites, construction of new and reuse of existing pipelines, new brine line, and appurtenant changes as they related to these modifications.

OCWD filed a Notice of Determination on September 22, 2004, finding that the project would not have a significant impact on the environment.

A summary of the 1990 EIR and Addendum No. 3 are attached.

Summary of the FEIR and Subsequent Addenda:

The EIR concluded that most project effects could either be mitigated to less-than-significant or were beneficial. However, locating the treatment plant at Site 3 would result in the loss of approximately 1 acre of prime farmland. This impact was considered significant, and no mitigation was available. This impact is avoided under Addendum 3 by relocating the PTP to non-agricultural land.

The pipelines, including the-SIBL, would be located mostly in existing street rights-of-way and adjacent to other underground utilities with exception of short connecting segments associated with each well.

Alternatives

The District considered a no action alternative and alternative locations within the area for the PTP, well sites and brine line. The alternatives identified and examined included alternative locations, alternative technologies and brine disposal alternatives. Project alternatives included evaporative basins, direct discharge to the Orange County Sanitation District (OCSD), discharge to the San Diego Creek, and Ocean Outfall. All alternatives were extensively examined and shown to have greater negative impacts that could not be mitigated and permits could not be obtained. Alternative pipeline alignments were considered and the selected alignment was found to minimize potential effects to biological resources and was the better alternative.

The No-Project Alternative would result in the continuing degradation of the groundwater by nitrates and TDS which would further reduce pumping for potable water supplies, causing more surface water to be imported to meet demands. In addition, it is estimated that the poor quality groundwater in the Irvine Subbasin would migrate into the main Orange County basin, thereby degrading the groundwater supplies further. Decreased groundwater pumping in the Irvine area in response to spreading contaminants would accelerate this process.

Endangered Species

No federal listed species or species proposed as rare, threatened, or endangered are known to occur in the immediate project area. Due to the history of disturbance and lack of habitat value in the project area, implementing the project would not affect Federally-listed species.

Cultural Resources

A cultural resource record search indicated that nearly the entire proposed project area has been previously surveyed. The record search identified no cultural resource sites within the project area with the exception of one recorded site, preserved site ORA-373.

AUGMENTATION

Wetlands and Floodplain

The proposed action has no effect on any jurisdictional wetlands. The PTP is not within Zone A (100 year floodplain) on Flood Insurance Rate Map No. 06059C0295H.

Clean Water Act

On December 8, 2004, the San Diego Regional Water Quality Control Board approved a modification to the existing National Pollutant Discharge Elimination System (NPDES) permit for the Aliso Creek Ocean Outfall to accommodate the brine discharge (NPDES Permit No. CA0107611).

Environmental Justice

The proposed site is not located in a neighborhood that suffers from known exposure to adverse human health or other environmental conditions. The project has no potential to adversely impact any low income or ethnic communities in the long term.

Indian Trust Assets

No known Indian Trust Assets will be affected.

Wild and Scenic Rivers

San Diego Creek and Aliso Creek are not designated Wild and Scenic Rivers.

Coastal Zone

The action is not within the California coastal zone.

AGENCY CONSULTATION AND COORDINATION

Fish and Wildlife Service

Reclamation staff concluded the proposed action will not affect any Federally-listed species. Consultation with the Fish and Wildlife Service is not required under either the Endangered Species Act or the Fish and Wildlife Coordination Act.

California State Historic Preservation Officer

The District contracted with LSA & Associates to augment the CEQA document with an additional cultural resources survey. No historic properties were identified. Reclamation made a finding of no properties/no effect for the proposed project and communicated this finding in a letter to the California State Historic Preservation Office (SHPO) on December 30, 2004. Monitoring was recommended in one area of potential archaeological sensitivity (site ORA-373). Additional information was provided to the SHPO on May 23, 2005, with a request for SHPO concurrence with Reclamation's findings.

ENVIRONMENTAL COMMITMENTS

A qualified archaeologist will monitor all ground disturbing activities in the vicinity of site ORA-373. Mitigation measures identified in the 1990 EIR are included in the attached EIR Summary.

Attachments:

- 1) April 22, 2005 Public Notice
- 2) Caltrans letter, dated May 23, 2005
- 3) State Clearinghouse letter dated May 31, 2005
- 4) State Clearinghouse letter dated May 26, 2005
- 5) May 23, 2005 letter to California SHPO
- 6) December 30, 2004 letter to California SHPO
- 7) CEQA Addendum No. 3
- 8) 1990 EIR Summary (Chapter 2)

AFFIDAVIT OF PUBLICATION

STATE OF CALIFORNIA,)
) ss.
County of Orange)

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of **The Orange County Register**, a newspaper of general circulation, published in the city of Santa Ana, County of Orange, and which newspaper has been adjudged to be a newspaper of general circulation by the Superior Court of the County of Orange, State of California, under the date of November 19, 1905, Case No. A-21046, that the notice, of which the annexed is a true printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

April 22, 2005

"I certify (or declare) under the penalty of perjury under the laws of the State of California that the foregoing is true and correct":

Executed at Santa Ana, Orange County, California, on

Date: April 22, 2005


Signature

The Orange County Register
625 N. Grand Ave.
Santa Ana, CA 92701
(714) 796-7000 ext. 2209

PROOF OF PUBLICATION

This space is for the County Clerk's Filing Stamp

Proof of Publication of

Public Notice: IRVINE DESALTER PROJECT/SOUTH IRVINE BRINE LINE PROPOSED FINDING OF NO SIGNIFICANT IMPACT (FONSI)

The U.S. Bureau of Reclamation is providing public notice that a draft Finding of No Significant Impact (FONSI) has been prepared for the Irvine Desalter Project and the South Irvine Brine Line Project in Orange County, California. The proposed action would provide Federal funds to the Irvine Ranch Water District to install groundwater wells, pipelines, and a treatment plant to desalt brackish groundwater in the Irvine subbasin with brine disposal to the existing Aliso Creek Ocean Outfall.

The draft FONSI is a preliminary determination that preparation of an Environmental Impact Statement is not required under the National Environmental Policy Act (NEPA), based on our review of an Environmental Impact Report (SCH #89010086) and 3 subsequent addendums certified by the Orange County Water District under the California Environmental Quality Act (CEQA).

The draft FONSI is available for public review. Copies can be obtained by calling (951) 695-5310 or downloaded from <http://www.usbr.gov/lc/soical/>. The comment period is open until May 25, 2005. Written comments may be sent to: Attn: Doug McPherson, Bureau of Reclamation 27708 Jefferson Avenue, Suite 202, Temecula, CA 92590.

Orange County Register April 22, 2005 R847/6631810



United States Department of the Interior



BUREAU OF RECLAMATION
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

IN REPLY REFER TO:

LC-2631
ENV-3.00

DEC 30 2004

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Milford Wayne Donaldson
California State Historic Preservation Officer
P.O. Box 942896
Sacramento, CA 94296-0001

Subject: Submission of a Cultural Resource Survey Report for the Proposed **Irvine Desalter** Project, Orange County, California (LC-CA-04-07 N)

Dear Mr. Donaldson:

The Irvine Ranch Water District (IRWD) is proposing to construct a desalter and brine line project in Irvine, Orange County, California, to improve the quality of the groundwater for public use. Contaminants from a nearby area formerly used as a Marine Corps Air Station have entered both the shallow and principal aquifers in this vicinity. The proposed project is designed to pump and treat groundwater and to prevent the spread of contaminated water into the main Orange County aquifer. By providing reliable new water sources, this project will also reduce dependency on imported water sources. The Bureau of Reclamation is providing funding assistance through the Title XVI Wastewater and Groundwater Study and Facilities Act, defined as a federal undertaking under the National Historic Preservation Act of 1966 (NHPA), as amended, Section 106. LSA Associates, Inc. (LSA), conducted cultural resource surveys for this project, in partial fulfillment of Section 106. A copy of the report is enclosed for your review.

Project Description

The proposed project is described in more detail in the enclosed report, which also has a map of the project area. The project consists of three separate systems of wells and pipelines and three separate water treatment plant facilities. The total linear extent of pipeline will be 16.25 miles. The project is primarily in developed areas, under the middle of existing paved roads.

Area of Potential Effect

The area of potential effect (APE) for the proposed Irvine Desalter Project is defined as the geographic area that will be disturbed by the construction of the wells, pipelines, and water treatment plants. Since the pipeline will be buried, views will only be temporarily disturbed.

Identification of Historic Properties

In August through September 2004, LSA conducted archival and record searches and conducted field surveys to identify cultural resources within and near the APE. Field surveys consisted of driving developed areas and walking open, undeveloped areas and roadsides adjacent to agricultural fields. No cultural resources were identified in the APE through the record searches and field surveys. Residential and commercial developments within the APE date from 1969 to the present. No historic buildings or districts were identified in the APE. Prehistoric site ORA-373, identified in the record search, is situated approximately 0.25 miles from the project footprint. ORA-373 was described as a habitation site with artifacts and at least three human burials. This site is currently preserved under Flagstone Park.

Native American Consultations

LSA contacted the Native American Heritage Commission (NAHC) for a list of Native Americans to contact regarding the proposed project. No traditional cultural properties or sacred sites were identified by the NAHC. Fifteen potentially interested Native American parties were identified. Contact results are summarized in Appendix D of the enclosed report. No project-specific concerns were received, although the recommended monitoring was supported.

Assessment of Effects

Reclamation finds *no properties/no effect* for the proposed project. Due to the sensitivity of site ORA-373, monitoring will be done during all ground disturbing activities in the vicinity of the site, as shown on the enclosed map. Consultations will continue for any inadvertent discoveries. In the event that human remains are encountered, the California State Health and Safety Code and Public Resources Code shall be followed.

Reclamation requests your concurrence that the enclosed survey report meets Section 106 requirements and with its finding of no properties/no effect. Should you have any questions or concerns regarding this submission, contact Ms. Laureen Perry, Archaeologist, by telephone at 702-293-8619 or lperry@lc.usbr.gov.

Sincerely,

Wm. J. Liebhauser

Deanna J. Miller, Director
Resources Management Office

Enclosures - 2

bc: SCAO-1500 (McPherson)

2001

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WBR:LPerry:pja:12/29/04:293-8619

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OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION

P.O. BOX 942896
SACRAMENTO, CA 94296-0001
(916) 653-6624 Fax: (916) 653-9824
calshpo@ohp.parks.ca.gov
www.ohp.parks.ca.gov



February 9, 2005

In reply refer to:
BUR050107A

3/22/05
3/24/05

3/28 2000
4-30 2010
3-3 2600
5700
2631

PROJECT	LC 59-0305
CONTRACT NO.	
FILED NO.	
KEYWORD	

Deanna J. Miller, Director
Resources Management Officer
Bureau of Reclamation
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

RE: SECTION 106 CONSULTATION ON THE PROPOSED IRVINE DESALTER PROJECT, ORANGE COUNTY, CALIFORNIA (LC-CA-04-07 N)

Dear Ms. Miller:

Thank you for your December 30, 2004 submittal that initiates consultation with me regarding the undertaking referenced above. You are consulting with me in accordance with 36 CFR Part 800, regulations implementing Section 106 of the National Historic Preservation Act. Specifically, the Bureau of Reclamation (Reclamation) is requesting my concurrence that:

- (1) the proposed undertaking will have no effect on historic properties since Reclamation found no historic properties within the Area of Potential Effects (APE).

Your submittal explains that the Bureau is providing funding for the construction of a desalter and brine line project in the City of Irvine, to improve the quality of groundwater for public use. I understand the proposed project will consist of three separate systems of wells and pipelines and three separate water treatment plant facilities. As part of this project, approximately 16.25 linear miles of pipeline will be utilized with the majority of the pipeline to be constructed either under paved roads or using existing pipelines.

I understand that you have defined the APE for the proposed Irvine Desalter Project as the geographic area that will be disturbed by the construction of the wells, pipelines, and water treatment plants. As discussed in the consultant-prepared report for this project, the APE will consist of the area encompassed by three water treatment facilities, 12 wells, and approximately 16.25 linear miles of pipeline (Strudwick 2004). The limits of the APE are depicted on Figures 1a and 1b of the attached consultant-prepared report (Strudwick 2004).

The consultant-prepared report also documents the archival and field research conducted and states that no historic properties were identified within the proposed undertaking's APE. The consultant-prepared report also outlines the efforts made by Reclamation to consult with the Native American Heritage Commission (NAHC) and individuals/organizations listed by the NAHC.

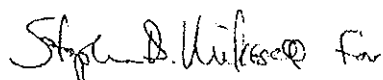
At the present time, I am unable to concur either that the APE has been adequately defined or that the historic property identification efforts have been satisfactorily completed for this undertaking as outlined in 36 CFR § 800.4(a) and (b). As the majority of the undertaking's associated features will be located beneath the present surface of the APE, I ask that you please provide me with information that demonstrates Reclamation's consideration of the potential effects of the implementation of the proposed undertaking on historic properties that may lie beneath that surface. I would appreciate knowing, for example, the anticipated depth of ground disturbance associated with the various features that will be

Deanna Miller
03/22/05
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constructed as a part of this undertaking, and Reclamation's assessment of the potential for buried archaeological deposits in the undertaking's APE.

Since I am, at this point in our consultation, deferring comment on the determination of the APE and the adequacy of Reclamation's identification efforts, pending receipt of the above information, I will suspend, for now, consideration of the undertaking's potential effects. I look forward to continuing our consultation upon receiving your response. Please do not hesitate to contact Blossom Hamusek, Staff Archaeologist at (916) 651-6956 or at bhamu@ohp.parks.ca.gov, if you have any questions or need clarification of any of my comments.

Sincerely,



Milford Wayne Donaldson, FAIA
State Historic Preservation Officer



United States Department of the Interior



BUREAU OF RECLAMATION

Lower Colorado Regional Office

P.O. Box 61470

Boulder City, NV 89006-1470

MAY 23 2005

IN REPLY REFER TO:

LC-2631

ENV-3.00

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Milford Wayne Donaldson
California State Historic Preservation Officer
P.O. Box 942896
Sacramento, CA 94296-0001

Subject: Continuing Consultations for the Proposed Irvine Ranch Water District Desalter Project, Orange County, California. (LC-CA-04-07 N) (BUR050107A)

Dear Mr. Donaldson:

The Bureau of Reclamation is in receipt of your letter, dated February 9, 2005, and postmarked March 22, 2005, regarding our National Historic Preservation Act, Section 106, consultation submission for the proposed Irvine Ranch Water District Desalter and Brine Line project. You requested additional information on the potential for and identification of buried cultural deposits within the area of potential effect (APE). We have obtained additional information and have re-read the cultural resource survey report for this project. We request that you review this information and concur with our finding of a conditional no adverse effect on historic properties.

Area of Potential Effect

The area of potential effect (APE) for the proposed Desalter Project is defined as the geographic area that will be disturbed by the construction of the wells and pipelines. The pipelines will have construction trenches measuring approximately three feet wide by five to eight feet deep. Five of the wells are in existing wells, with ground disturbance on the concrete slab needed for the well heads. The other three wells will have 12" to 20" well casings and be drilled to approximately 1,000 feet below the surface.

Identification of Historic Properties

In August through September, 2004, LSA Associates, Inc. (LSA), conducted record searches and field surveys to identify cultural resources within and near the APE. Their report, entitled "Cultural Resource Survey of the Proposed Irvine Desalter Project", was sent to your office with our previous submission. LSA complemented the numerous surveys and previous cultural resources work with additional surveys. No cultural resources were reported within the APE. In addition, no cultural resources were reported from previous construction projects within the APE. (Refer to the report for previous and current survey locations and previously recorded sites.) Much of the project will be under paved roads with existing underground utilities.


LSA recommended monitoring in three locations, based on the proximity of previously identified cultural resources and the potential for subsurface cultural deposits. These three locations are marked on the enclosed maps. LSA also identified a potential for buried deposits in *in situ* deposits found eight to ten feet below the surface. Pipeline construction will primarily be in previously disturbed deposits and not as deep as this level. Monitoring is not needed in existing paved roads because no cultural resources were previously identified or reported during construction of existing underground utilities. Monitoring of the three new wells will be done.

Assessment of Effects

Reclamation finds *no adverse effects with monitoring conditions* for the desalter project. Monitoring will be done during all ground disturbing activities in three locations identified as sensitive by LSA, and at the three new well sites. Consultations will continue for any inadvertent discoveries. In the event that human remains are encountered, the California State Health and Safety Code and Public Resources Code shall be followed.

Reclamation requests your concurrence with its finding of *no adverse effect with monitoring conditions*. Should you have any questions or concerns regarding this submission, contact Ms. Lauren Perry, Archaeologist, by telephone at 702-293-8619 or by e-mail at lperry@lc.usbr.gov.

Sincerely,


FOR Deanna J. Miller, Director
Resources Management Office

Enclosures - 2

bc: SCAO-1500 (McPherson)
(w/encl)

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Daily

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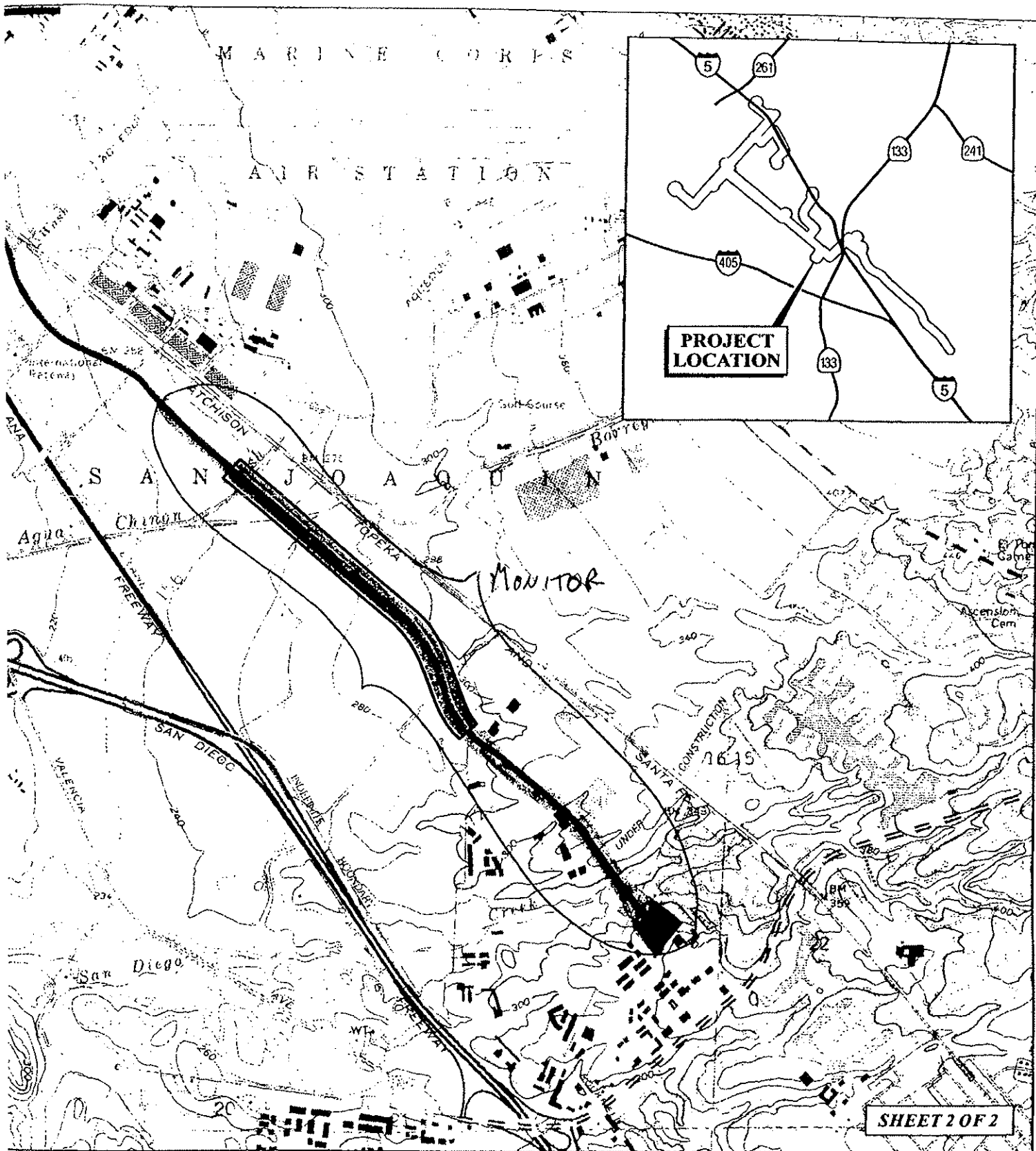
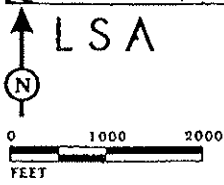
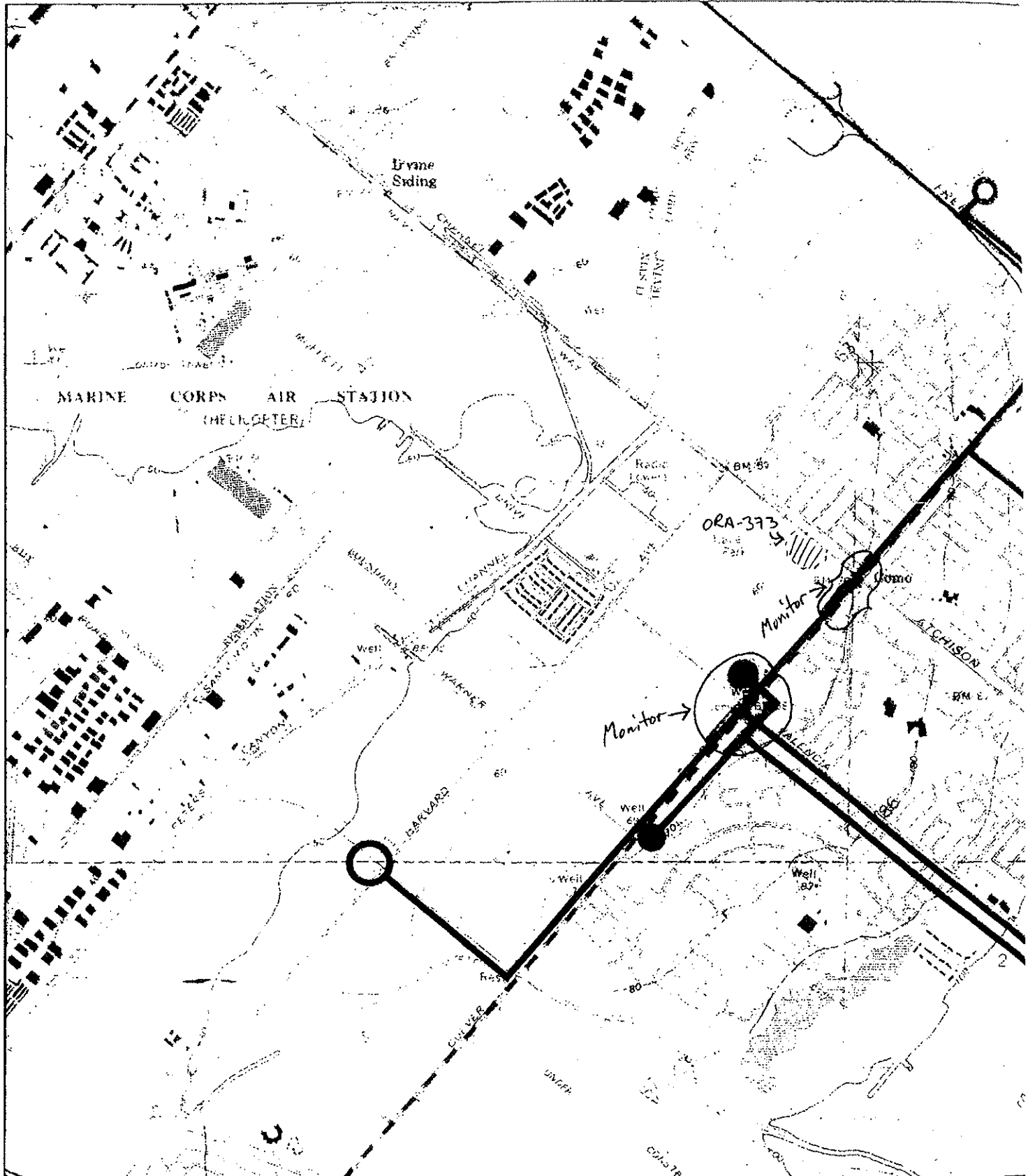




FIGURE 1b

ATIONS



LEGEND

-  - Project Footprint
 -  - Areas Surveyed for This Project
- Monitor Loc*

SOURCE: USGS 7.5' Quads - El Toro (1981) & Tustin (1981), Ca.

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