

# **APPENDIX H**

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## **PHASE I ENVIRONMENTAL ASSESSMENT AIR TRAFFIC HAZARDS ANALYSIS**

# **PHASE I ENVIRONMENTAL ASSESSMENT**

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# **PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**FOR THE  
FIRST SOLAR CAMPO VERDE PROJECT SITE**

**IMPERIAL COUNTY, CALIFORNIA**

**FIRST SOLAR PURCHASE ORDER 4800006859**

*Prepared for:*

**First Solar**

525 Market Street, 15<sup>th</sup> Floor  
San Francisco, CA 94111

*Prepared by:*

**URS**

130 Robin Hill Road, Suite 100  
Santa Barbara, California 93117  
(805) 692-0600 ◆ Fax: (805) 964-0259

URS Project Number 28907324

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**EXECUTIVE SUMMARY**

This report presents the results of a Phase I Environmental Site Assessment (ESA) update conducted by URS Corporation (URS) of the First Solar Campo Verde property, an approximately 2,400-acre project site and associated linear alignments located in Imperial County, California (property). The purpose of the Phase I ESA was to gather information concerning the property and surrounding areas in order to identify conditions indicative of releases or threatened releases of hazardous substances, pollutants, contaminants, petroleum or petroleum products, and controlled substances to identify and evaluate Recognized Environmental Conditions (RECs) affecting the property. This Phase I ESA was accomplished by, and limited to, a site reconnaissance, a site vicinity perimeter survey, a review of previous environmental investigations performed on the property, and review of agency databases and other reasonably ascertainable records regarding past and current land use for indications of the manufacture, generation, use, storage and/or disposal of hazardous substances at the property.

This Phase I ESA is an update to the previous Phase I ESA prepared by URS for the First Solar Project Sagebrush Site (the subject property for this Phase I ESA update includes the Project Sagebrush Site, as well as associated linear alignments and is now identified as the First Solar Campo Verde Project Site) on July 7, 2011, and is a stand-alone document that supersedes the previous Phase I ESA.

The Scope of Services performed was in accordance with the Technical Services Agreement dated November 24, 2009 between First Solar and URS, URS' proposal/scope of work dated January 17, 2012, and First Solar Purchase Order 4800006859. The format and content of this Phase I ESA update are in general accordance with the American Society of Testing Materials (ASTM) Standard Practice for *Environmental Site Assessments: Phase I Site Assessment Process E 1527-05* (ASTM 2005) and the U.S. Environmental Protection Agency *All Appropriate Inquiries Standards and Practices for All Appropriate Inquiries – Final Rule: [40 CFR Part 312]*, approved November 1, 2005.

At the time of the site reconnaissance, the property was observed to be approximately 2,400 acres of primarily undeveloped agricultural land. The property consists of the project site and four linear alignments that include the Non-BLM Off-site Gen-Tie Alignment, the Collector Line Alignment, the Western Off-site Gen-Tie Alignment and the Eastern Off-site Gen-Tie Alignment (See Figure 1, Topographic Map of Project Area). The property consists of 44 parcels of land (the linear alignments occupy only a portion of the associated parcels).and includes the following Assessor Parcel Numbers (APNs): 051-260-29, 051-260-30, 051-260-33, 051-270-27, 051-270-37, 051-270-47, 051-290-14, 051-290-38, 051-300-05, 051-300-08, 051-300-09, 051-300-25, 051-300-29, 051-300-30, 051-310-26, 051-310-40, 051-310-49, 051-310-50, 051-310-56, 051-310-57, 051-310- 58, 051-310-59, 051-310-60, 051-330-05, 051-330-15, 051-330-19, 051-330-20, 051-330-021, 051-330-022, 051-330-024, 051-350-05,

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051-350-08, 051-350-09, 051-350-10, 051-350-11, 051-350-012, 051-350-14, 051-360-01, 051-360-02, 051-360-03, 051-360-04, 051-360-18, 051-360-32, and 051-380-24.

The property is located in Sections 16, 20, 21, 22, 23, 24, 25, 26, 27, 28, 33, and 34, Township 16 South, Range 12 East, and Section 3, Township 16.5 South, Range 12 East San Bernardino Base and Meridian, (U.S. Geological Survey [USGS] Seeley and Mount Signal 7.5-minute quadrangles). The property is bounded by Interstate 8 and undeveloped/agricultural land to the north, undeveloped/agricultural land and the Westside Main Canal to the west and south, undeveloped land and Imperial Valley Substation to the south, and undeveloped/agricultural land to the east.

Historical data indicates that the property has remained primarily undeveloped land used for agricultural purposes for the production of alfalfa hay.

Based on the ESA results described herein, the following conclusions are made.

**ES.1 ON-SITE RECOGNIZED ENVIRONMENTAL CONDITIONS**

Based on URS' site reconnaissance and review of historical information, RECs from on-site sources were not identified.

**ES.2 OFF-SITE RECOGNIZED ENVIRONMENTAL CONDITIONS**

Based on URS' review of historical information and the environmental database search, RECs from off-site sources having the potential to affect the property were not identified.

This Executive Summary is not intended to be a "stand-alone" document, but a summary of findings as described in the Phase I ESA report. Its use is intended to be in conjunction with the findings and limitations described therein.



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**SECTION 1.0  
INTRODUCTION**

Presented in this report are the results of the Phase I Environmental Site Assessment (ESA) update conducted by URS Corporation (URS) of the First Solar Campo Verde Project an approximately 2,400-acre property consisting of the project site and four linear alignments that include the Non-BLM Off-site Gen-Tie Alignment, the Collector Line Alignment, the Western Off-site Gen-Tie Alignment and the Eastern Off-site Gen-Tie Alignment (property). The property is located in an unincorporated area of Imperial County, California. This Phase I ESA is an update to the previous Phase I ESA prepared by URS for the First Solar Project Sagebrush Site (the subject property for this Phase I ESA update includes the Project Sagebrush Site, as well as associated linear alignments and is now identified as the First Solar Campo Verde Project Site) on July 7, 2011, and is a stand-alone document that supersedes the previous Phase I ESA.

This assessment was accomplished by, and limited to, a reconnaissance of the property, a perimeter survey of the site vicinity, a review of previous environmental investigations performed on the property and review of agency databases and other reasonably ascertainable information regarding past and current land use for indications of the manufacture, generation, use, storage, and/or disposal of hazardous substances at the property.

**1.1 AMERICAN SOCIETY OF TESTING MATERIALS STANDARD AND ALL APPROPRIATE INQUIRY**

The format and content of this Phase I ESA are in general accordance with the American Society of Testing Materials (ASTM) Standard Practice for *Environmental Site Assessments: Phase I Site Assessment Process E 1527-05* (ASTM 2005) and the U.S. Environmental Protection Agency (USEPA) All Appropriate Inquiries (AAI) *Standards and Practices for All Appropriate Inquiries – Final Rule: [40 CFR Part 312]*, approved November 1, 2005.

**1.1.1 All Appropriate Inquiry Standards**

The USEPA Rule on AAI was developed to establish landowner liability protections to property owners under the Comprehensive Environmental Response, Compensation, and Liability Act as innocent landowners, bona-fide prospective purchasers, and/or contiguous property owners. The AAI Rule expands the records review requirements by increasing the search distances beyond the recently superseded ASTM Standard E 1527-05, incorporating mandatory searches for engineering and institutional controls, and mandatory review of local government and tribal records. The records review also requires a search of reasonably ascertainable land title and lien records to identify environmental liens or activity and use limitations, if any, which are recorded against the property. The historical sources review requires that a search of the property go as far back in history as it can be shown that the

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property contained structures or was first used for residential, agricultural, commercial, industrial, or governmental purposes. Data gaps for the property should be identified and their significance reported. The AAI Rule also requires taking into account commonly known or reasonably ascertainable information within a local community. AAI requires that inquiries be conducted by an environmental professional as specifically defined within the Rule.

### **1.1.2 American Society of Testing Materials Standard**

The ASTM Standard was approved November 18, 2005, and was established and updated to reflect industry requirements brought about by AAI.

The goal of the ASTM Standard is to identify Recognized Environmental Conditions (REC) (see Section 5.0 of this Phase I ESA). Under the ASTM Standard, “recognized environmental condition” is defined as the presence, or likely presence, of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. RECs include hazardous substances or petroleum products even under conditions in compliance with laws. RECs are not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

## **1.2 PURPOSE**

The purpose of the Phase I ESA is to gather information concerning the property and surrounding areas in order to identify conditions indicative of releases or threatened releases of hazardous substances, pollutants and contaminants, petroleum or petroleum products, and controlled substances.

## **1.3 SCOPE OF SERVICES**

The Scope of Services performed was in accordance with the Technical Services Agreement dated November 24, 2009 between First Solar and URS, URS’ proposal/scope of work dated January 17, 2012, and First Solar Purchase Order 4800006859. The format and content of this Phase I ESA update are in general accordance with the ASTM Standard and the USEPA AAI.

The site reconnaissance included a driving and walking tour of the property and a perimeter survey of surrounding and accessible adjacent properties. To meet the objective of this Phase I ESA, URS completed the following tasks:

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- Performed a reconnaissance survey of the property to make visual observations of existing site conditions and activities, and a perimeter survey of the area within 0.5 mile of the property (as practical) to observe types of general land use. Photographs of the property are provided in Appendix A.
- Reviewed and interpreted archival topographic maps of the property and the area within 0.5 mile of the property for information regarding historical land use potentially involving the manufacture, generation, use, storage and/or disposal of hazardous substances. Environmental Data Resources (EDR) historical topographic maps are included in Appendix B.
- Reviewed and interpreted available historical aerial photographs of the property and vicinity for evidence of previous site activities and development that would suggest the potential presence of hazardous substances at the property. A copy of the EDR Aerial Package is included in Appendix C.
- Reviewed pertinent, available documents and maps regarding local physiographic and hydrogeologic conditions in the property vicinity.
- Reviewed the federal, state, and local database list search provided by EDR of known or potential hazardous waste sites or landfills, and sites currently under investigation for environmental violations. The agency lists and area search results are provided in Appendix D.
- Conducted an environmental lien search through EDR databases to determine potential environmental liens or other activity and use limitations associated with the property. The EDR environmental lien search report is provided in Appendix E.
- Conducted inquiries in person, by telephone, or in writing to the appropriate regulatory agencies for information regarding environmental permits, violations or incidents, and/or the status of enforcement actions at the property.
- Conducted interviews with current property owners as available, to confirm information provided in the AAI User/Site History Questionnaires completed during the July, 2011 Phase I ESA. Copies of the AAI User/Site History Questionnaires as provided to URS are included as Appendix F.
- Prepared this report describing the research performed and presenting URS' findings and professional opinions regarding the potential for adverse environmental impacts to the property.

### **1.4 USER RELIANCE**

This report was prepared for use by First Solar, and shall not be relied upon by or transferred to any other party, or used for any other purpose, without the express written authorization of URS.

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## **1.5 LIMITATIONS AND EXCEPTIONS**

This report and the associated work were provided in accordance with the principles and practices generally employed by the local environmental consulting profession. This is in lieu of all warranties, expressed or implied.

Discussions of the ASTM Standard or AAI data gaps, if any, including sources reviewed, the significance of each data gap, and an opinion if the data gap inhibits the environmental professional's ability to reach an opinion about contamination at the property, are incorporated into the appropriate sections of the report.

It should be recognized that this Phase I ESA was not intended to be a definitive investigation of potential contamination at the property and the recommendations provided are not necessarily inclusive of all the possible conditions. This Phase I ESA is not a regulatory compliance audit or an evaluation of the efficiency of the use of any hazardous materials at the property. Soil and/or groundwater sampling was not undertaken as part of this investigation. Sampling for asbestos, radon, lead-based paint, and lead in drinking water was also not performed as part of this Phase I ESA. Given that the Scope of Services for this investigation was limited, it is possible that unobserved contamination might exist.

The conclusions presented are professional opinions based solely upon indicated data described in this report, visual site and vicinity observations, and the interpretation of the available historical information and documents reviewed, as described in this report. Unless URS has actual knowledge to the contrary, information obtained from interviews or provided to URS by the client was assumed to be correct and complete. URS does not assume any liability for information that was misrepresented to URS by others or for items not visible, accessible or present on the property during the time of the site reconnaissance. The conclusions are intended exclusively for the purpose outlined herein and the site location and project indicated. The executed Scope of Services may not be appropriate to satisfy the needs of other users, and any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

Opinions and recommendations presented herein apply to the site conditions existing at the time of this assessment and cannot necessarily apply to site changes of which URS is not aware and has not had the opportunity to evaluate. Changes in the conditions of this property may occur with time due to natural processes or the works of man on the property or adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond URS' control. Opinions and judgments expressed herein are based on URS' understanding and interpretation of current regulatory standards, and should not be construed as legal opinions.

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**SECTION 2.0  
SITE DESCRIPTION**

**2.1 LOCATION**

The property is located south of Interstate 8, in an unincorporated area of Imperial County. The property consists of approximately 2,400 acres of undeveloped agricultural land located in Sections 16, 20, 21, 22, 23, 24, 25, 26, 27, 28, 33, and 34, Township 16 South, Range 12 East, and Section 3, Township 16.5 South, Range 12 East San Bernardino Base and Meridian (U.S. Geological Survey [USGS] Seeley and Mount Signal 7.5-minute quadrangles). The property is bounded by Interstate 8 and undeveloped/agricultural land to the north, undeveloped/agricultural land and the Westside Main Canal to the west and south, the Imperial Valley Substation to the south, and undeveloped/agricultural land to the east.

A topographic map and an aerial photograph of the Project Area are included as Figures 1 and 2, respectively.

**2.2 INTERVIEWS AND SPECIALIZED USER KNOWLEDGE**

During the July, 2011 Phase I ESA, URS provided AAI User/Site History Questionnaires to Mr. Jake Stephens, site representative for the property. Mr. Stephens forwarded the AAI Questionnaires to all property owners to complete, and provided the Questionnaires that were completed. The property owners provided information regarding the history and current conditions of the property and indicated that the property consisted of farmed agricultural land. According to Mr. Jake Stephens and the property owners, there were no known environmental concerns associated with the property.

URS contacted current property owners during the 2012 Phase I ESA Update, to obtain information regarding the history and current conditions of the property. According to property owners that were available for interview, there were no changes to the AAI Questionnaires previously completed. Copies of the AAI User/Site History Questionnaires, as provided to URS during the July, 2011 Phase I ESA, are included as Appendix F. Property owners of the linear alignments were not available for interview.

**2.3 SITE RECONNAISSANCE**

On February 11 and March 5, 2012, Mr. Brendan Murphy of URS conducted an unescorted reconnaissance of the property. The reconnaissance consisted of the observation and documentation of existing site conditions and the nature of the neighboring property development within approximately 0.5 mile of the property. Photographs taken during the site reconnaissance are provided in Appendix A.

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The property was accessed by public roads and farm roads around the perimeter and bisecting the property.

Properties consisting of active irrigation canals owned by the Imperial Irrigation District (IID) are not part of the property and were not included in the site reconnaissance.

### **2.3.1 Site Conditions**

At the time of the site reconnaissance, the property was observed to be approximately 2,400 acres of primarily undeveloped agricultural land. The property consists of the project site and four linear alignments that include the Non-BLM Off-site Gen-Tie Alignment, the Collector Line Alignment, the Western Off-site Gen-Tie Alignment and the Eastern Off-site Gen-Tie Alignment. The property consists of 44 parcels of land (the linear alignments occupy only a portion of the associated parcels).

The site generally consists of undeveloped agriculture land, with the majority of the site irrigated by a series of soil and concrete lined irrigation canals. These irrigation canals are owned and maintained by the IID and consist of the Westside Main Canal oriented in a northwest-southeast direction along the southern side of the site. This canal serves the minor Fern Canal, Fig Canal, and the Wormwood Canal oriented in a north-south direction from the west to east, respectively. Smaller laterals and irrigation ditches are utilized to deliver irrigation water to the crop fields. A series of agricultural-related gravity flow drainage canals also exist within the site. The irrigation and drainage canals that exist through property easements and that are maintained by the IID are not included in the project site evaluated in this Phase I ESA.

Two structures were observed within APNs 051-330-19 and 051-350-14. One residential structure and two garage structures were observed on APN 051-350-012.

### **2.3.2 Hazardous Substances**

Several aboveground storage tanks (ASTs) were observed on the property for the storage of agricultural-related chemicals (see Section 2.3.3, Storage Tanks, for additional information).

Small containers of hazardous materials such as paint were observed on APN 051-350-012. No staining was observed beneath the containers.

### **2.3.3 Storage Tanks**

Several ASTs were observed on the property for storage of agricultural-related chemicals. These ASTs were observed adjacent to irrigation canals and appear to be used to add agriculture fertilizers directly into the irrigation canals for eventual soil treatment during irrigation/flooding of fields.

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Fifteen approximately 500-gallon plastic ASTs were observed throughout the property to contain sulfuric acid. They were observed during the site visit at the following locations:

- APN 051-360-32: 1 AST on east central side of the parcel
- APN 051-310-40: 1 AST at southeast corner of the parcel; 1 AST on northwest side of the parcel; 1 AST at northeast corner of the parcel; and 1 AST on northeast side of the parcel
- APN 051-360-04: 2 AST on southern portion of parcel
- APN 051-310-56: 1 AST at southwest corner of parcel
- APN 051-300-09: 1 AST on central portion of parcel
- APN 051-309-09: 1 AST at southeast corner of parcel
- APN 051-300-08: 1 AST at southwest corner of parcel
- APN 051-300-30: 1 AST on western portion of parcel at Non-BLM Off-site Gen-Tie Alignment
- APN 051-260-29: 1 AST along Non-BLM Off-site Gen-Tie Alignment
- APN 051-290-12: 2 ASTs along Non-BLM Off-site Gen-Tie Alignment

### **2.3.4 Polychlorinated Biphenyls, Lubrication Oil, and Mercury**

Electrical transformers, hydraulic equipment, capacitors, and similar equipment may contain polychlorinated biphenyls (PCBs) as operating or dielectric insulating fluids within the units. The Federal Toxic Substances Control Act generally prohibited the domestic manufacture of PCBs after 1976; therefore, there is a potential for the dielectric fluid in electrical and hydraulic equipment manufactured prior to that date to contain PCBs.

Electricity transmission lines were observed on the property along the improved roads.

Three electrical transformers were observed on the property during site reconnaissance. Leaks or stains were not observed beneath the transformers.

Other equipment, such as capacitors, that may contain PCBs, was not observed on the property during the site reconnaissance.

Two electric motors were observed adjacent to IID canals associated with apparent pumps for water piping distribution. Motors contain hydraulic oil or other fluids. Leaks or stains were not observed beneath the motors.

Mercury was used in the mining industry to separate precious metals from crushed ore. In addition, mercury is used in analog timers and data loggers that are common in oil field

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production and other industrial operations. Based on the site reconnaissance, conditions for the use of mercury were not evident.

### **2.3.5 Waste Disposal**

No waste disposal activities were observed on the property during the site reconnaissance.

### **2.3.6 Drums and Other Chemical Containers**

Small chemical containers were observed on the property at the time of the site reconnaissance as discussed in Section 2.3.2, Hazardous Substances. Various ASTs were observed on the property. ASTs are discussed in Section 2.3.3, Storage Tanks.

### **2.3.7 Dumping**

Small areas of debris that included concrete, wood, tires and equipment were located throughout the property.

### **2.3.8 Pits, Ponds, Lagoons, Septic Systems, Cisterns, Sumps, Drains, and Clarifiers**

Irrigation for the property agricultural land is provided by irrigation canals operated by the IID and serve smaller canals managed through flood gate systems to deliver irrigation water to the crop fields. A series of agricultural-related gravity flow drainage canals also exist within the site.

A portion of Fig Lagoon exists on the northern portion of APN 051-300-05.

There may be a septic system associated with the residential structure located on APN 051-350-012. URS was not able to verify whether a septic system is present.

No evidence of pits, ponds, cisterns, sumps, drains, and/or clarifiers was observed at the property during the reconnaissance.

### **2.3.9 Pesticide Use**

URS reviewed the California Department of Pesticide Regulation (DPR) Licensing and Certification Program database for licenses and/or certificates for pesticide applicators that use or supervise the use of restricted pesticides. The property owner was not listed in the DPR database.

Plastic ASTs containing agricultural chemicals were observed on the property. Based on the historical agricultural use of the property, chemical retention in surface and subsurface soils could be of concern. Most agricultural chemicals degrade rapidly in the presence of ultraviolet light from the sun and most newer-formulated chemicals have lower retention



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time especially at the lower application concentrations directed by regulatory agencies. Based on the historical agricultural use of the property, there is the potential for residual pesticide concentrations in the surface and subsurface soils.

**2.3.10 Staining and Discolored Soil**

Stained soil was observed at the base of two utility poles where it appeared that wood treatment was dripping from the base of the utility poles at the northeast corner of APN 051-360-02.

No other staining or discolored soil was observed during the site reconnaissance.

**2.3.11 Stressed Vegetation**

Stressed vegetation was not observed during the site reconnaissance.

**2.3.12 Unusual Odors**

No unusual odors were detected during the site reconnaissance.

**2.3.13 On-site Wells**

Monitoring wells, water wells, or oil wells were not observed on the property.

URS reviewed the California Division of Oil, Gas, and Geothermal Resources (DOGGR) database to evaluate oil and gas exploration in the vicinity of the property.

One abandoned geothermal temperature observation well was identified on the DOGGR database. Chevron U.S.A., Inc. Well C-283 (API 02590354) was identified on the southwest corner of the property in APN 051-350-05. The well was reported to have been drilled in 1980 and abandoned in 1981. The well was 6 inches in diameter and 487 feet deep and was used to insert temperature instrumentation to log temperatures to determine geothermal gradient. Approval for the well was granted by DOGGR on November 28, 1980 and well abandonment was approved on February 24, 1982. The well was reported to have been abandoned with a cement surface plug within the upper 10 feet below the ground surface.

**2.3.14 Asbestos**

An asbestos survey was not included in the Scope of Services performed for this Phase I ESA. The use of asbestos was primarily discontinued after the late 1970s. The residential structure and associated garages have the potential to contain asbestos-containing materials.

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**2.3.15 Lead-based Paint**

A lead-based paint (LBP) survey was not included in the Scope of Services performed for this Phase I ESA. Concern for LBP is primarily related to older structures. The residential structure and associated garages have the potential to contain LBP. In addition, equipment and canal lift gates observed on the property may contain LBP.

**2.3.16 Radon**

A USEPA survey by state and county of indoor radon concentrations indicated the radon zone level for Imperial County is 3. Zone 3 areas are predicted to have an indoor radon screening potential of less than 2.0 picocuries per liter of air (pCi/l). The USEPA action level for radon is 4.0 pCi/l. Further assessment for radon appears unwarranted based on regional background levels.

**2.3.17 Other Concerns**

A memorial consisting of a headstone, concrete footing, wooden cross, and other memorial material was observed on-site on the northwestern edge of APN 051-310-40. It is not known if there is anything buried associated with this memorial.

Other concerns were not identified during the site reconnaissance.

**2.4 SITE VICINITY AND ADJACENT PROPERTIES**

The site is located within an area that is primarily developed for agriculture and rural residences in a rural portion of Imperial County. In general, prominent adjoining land uses are as follows:

- North: one residence, a school/residential complex, undeveloped/agricultural land, and Interstate 8 border the site:
  - The residence at 1651 Westside Road is located on the northern boundary of the property. This location was identified by EDR on the Haznet database. This database consists of hazardous waste manifests received by the California Department of Toxic Substance Control. The database reports that household waste was generated and disposed of from this address in 2009 consisting of 0.025 and 0.375 tons. Waste material is not reported. This property was not part of the site survey conducted for this Phase I ESA.
  - The Westside School is located north of APN 051-300-09 and consists of buildings and a play area. Adjacent to the school is a residential complex to the east. These locations were not part of the site survey.

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- Agricultural land is the dominant land type adjacent on the north side of the property and consists of agricultural fields and canals that are similar in type to those on the site.
- Interstate 8 is adjacent to the site on the northwest corner and consists of a 4-lane highway that is built up slightly from the adjacent agricultural land.
- South: undeveloped/agricultural land, Westside Main Canal, and residences:
  - The Westside Main Canal is adjacent to the site on the south-central portion of the site and consists of an irrigation canal and distribution canals.
  - Residential complexes are adjacent to the site on the southern side and consist of multiple residential and agriculture related buildings. These locations were not part of the site survey.
  - Agricultural land is the dominant land type adjacent on the south side of the property and consists of agricultural fields and canals that are similar in type to those on the site.
  - The Imperial Valley Substation is located to the south of the Western Off-site Gen-Tie Alignment and the Eastern Off-site Gen-tie Alignment.
- East: undeveloped/agricultural land and Drew Road:
  - Drew Road is adjacent to the site on the east side and separates the site from additional agricultural land and residences.
- West: one residence complex and undeveloped/agricultural land:
  - A residential complex is located on the west side of APN 051-300-30 and consists of two buildings, a barn, and an apparent agricultural maintenance and storage area. Three apparent ASTs were observed on the eastern side of the barn. These locations were not part of the site survey.
  - Agricultural land is the dominant land type adjacent on the west side of the property and consists of agricultural fields and canals that are similar in type to those on the site.

URS did not observe activities that would indicate the potential for surface or subsurface impacts to the property from adjoining properties.

## **2.5 HISTORICAL USE**

URS reviewed readily available historical data pertaining to the property. These references were reviewed for evidence of activities that would suggest the potential presence of hazardous substances at the property and to evaluate the potential for the property to be

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impacted by off-property sources of contamination. The following subsections present a summary of the review results.

**2.5.1 Historic Topographic Maps**

URS reviewed the following USGS 7.5-minute Quadrangle maps of California provided in the EDR Historical Topographic Map Report: Heber (1947, 1957), Brawley (1948, 1957), Seeley (1957, 1979) and Mount Signal (1957, 1976). These provide topographic map coverage of the property and site vicinity (see Appendix B). The maps depict the property as undeveloped and agricultural land within Imperial County. The following is a summary of the review:

- 1947** The map presents only the southern half of the property, and appears to be undeveloped and agricultural land. The Fern, Fig, and West Side Main Canals are visible. Drew Road and Diehl Road are visible through the property. Multiple apparent farm structures are depicted on the map.
- 1948** The map presents only the northern half of the property, and depicts Fern, Fig, and other unnamed canals and drainages. Westside School is depicted and Westside Road, Derrick Road, and Drew Road are visible oriented north-south through the property.
- 1957** The maps depict the property to be undeveloped and agricultural land. Multiple canals, laterals, and drainages and apparent farm structures are visible on the map. There are no significant changes since the previous map. The United States/Mexico Border is depicted to the south of the property.
- 1976** The maps present only the southern half of the property, and depict the property to be undeveloped and agricultural land. Multiple canals, laterals, and drainages and apparent farm structures are visible on the map. There are no significant changes since the previous map.
- 1979** The maps present only the northern half of the property. Interstate 8 along the northern edge of the property is visible. There are no significant changes since the previous map.

**2.5.2 Historic Aerial Photographs**

The general type of activity and land use can often be discerned from the type and layout of structures visible in an aerial photograph; however, specific elements of a property operation cannot normally be determined from the photographs. Considering these conditions, URS reviewed historical aerial photographs dated 1953, 1954, 1971, 1973, 1978, 1984, 1996, 2002, 2005, 2006 and 2009 that were provided by EDR (see Appendix C). The following is a summary of the review:

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- 1953** The 1953 photograph depicts the southern portion of the property. The area of the Western Off-site Gen-Tie and the Eastern Off-site Gen-Tie appears to be undeveloped land.
- 1954** The property appears to be used dominantly for agricultural purposes. The current grid of roads and canals and drainage channels, including Fern, Fig, and West Side Main Canals are visible. The Westside School and multiple apparent farm structures are visible on the aerial photograph. The area around Fig Lagoon in the northeast portion of the property appears to be dominated by the river and drainage system and appears to have not been graded yet for agriculture usage. The adjacent properties and surrounding area appear to be primarily undeveloped land or developed as farmland.
- 1971** Interstate 8 appears along the northern edge of the property. No other significant changes are observed to the property, adjacent properties, or site vicinity since the previous photograph.
- 1973** No significant changes are observed to the property, adjacent property or site vicinity.
- 1978** The Non-BLM Off-site Linear appears to run through agricultural land. The Westside Canal is observed to the west of the property. No significant changes are observed to the property.
- 1984** Grading of the borrow area (northern edge of APNs 051-330-19 and 051-330-15) and realignment of the Fern Canal appears to have taken place since the last photograph. What appears to be a residence and associated structures is observed on APN 051-350-12. The Imperial Valley Substation is now observed to the south of the property. No other significant changes are observed to the property, adjacent properties, or site vicinity since the previous photograph.
- 1996** No significant changes are observed to the property, adjacent properties, or site vicinity since the previous photograph.
- 2002** No significant changes are observed to the property, adjacent properties, or site vicinity since the previous photograph.
- 2005** No significant changes are observed to the property, adjacent properties, or site vicinity since the previous photograph.
- 2006** No significant changes are observed to the property, adjacent properties, or site vicinity since the previous photograph.
- 2009** No significant changes are observed to the property, adjacent properties, or site vicinity since the previous photograph.

### **2.5.3 Sanborn Fire Insurance Maps**

URS contracted with EDR to obtain Sanborn Fire Insurance Maps for the property. Based on EDR's search, Sanborn Fire Insurance Maps were not available for the property.

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#### **2.5.4 Previous Environmental Investigations**

URS reviewed a Phase I Environmental Site Assessment for the Imperial Valley Solar Project dated June 2010, and prepared by Mathis and Associates, Inc. The Phase I ESA covered an approximately 2,400-acre property which included the majority of the property. The Phase I ESA reported the use of the property and the site vicinity as agricultural use. Hazardous materials were not identified on the site during the Phase I ESA. Mathis and Associates identified RECs as the potential for chemical storage and the potential for ACM in the on-site structures (not part of the subject property for this Phase I ESA).

URS prepared a Phase I ESA for the First Solar Project Sagebrush Site (consists of the subject property with additional linear alignments and now identified as First Solar Campo Verde Project), dated July 7, 2011. A site reconnaissance was performed on the property on June 23, 2011. The property was observed to be agricultural land. No RECs were identified.

#### **2.5.5 Title Records/Environmental Liens or Activity and Use Limitations**

URS requested EDR to perform an Environmental Lien Search for the Project Site. Results of the EDR Lien Search indicate that there are no reported environmental liens or activity and use limitations associated with the property:

- APNs 051-270-27, 051-270-37, 051-270-47, 051-290-38, 051-300-25, 051-300-29, 051-300-30, 051-330-05, 051-330-015, 051-330-020, 051-350-05, 051-360-01, 051-360-02, 051-360-03, and 051-360-18 are reportedly vested in Imperial 1585, LLC, a Nevada limited liability company.
- APNs 051-310-049, 051-310-050, 051-310-056, 051-310-057, 051-310-059 are vested in Mary N. Fitzurka, a married woman as her sole and separated property.
- APNs 051-360-004 and 051-310-040 are reportedly vested in Mary Fitzurka, Successor Trustee.
- APN 051-360-32 is reportedly vested in McVey Properties, LLC.
- APNs 051-330-19 and 051-350-14 are reportedly vested in Tierra Partners, LLC, an Arizona limited liability company.
- APNs 051-260-029, 051-260-030, 051-300-005, 051-300-008, and 051-310-026 and are reportedly vested in J.R. Preece, Inc., a California corporation.
- APN 051-260-033 is reportedly vested in J.R. Preece, Inc., a California corporation and Melvin Jerry Preece, Jr., an unmarried man.
- APN 051-290-014 is reportedly vested in Jerry Preece, Jr., an unmarried man.
- APN 051-300-09 is reportedly vested in Melvin Jerry Preece, Jr.

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- APNs 051-310- 58 and 051-310-60 are reportedly vested in Imperial Irrigation District.
- APNs 051-350-09 and 051-380-024 are reportedly vested in the United States of America.
- APN 051-350-010 and 051-350-011 is reportedly vested in Rabley Holdings, a Delaware corporation.
- APN 051-350-008 is reportedly vested in Theodore L. Whitmer and Carolyn J. Whitmer, as trustees of the Whitmer Family Trust created on 12/15/2006, and Randall R. Whitmer, a married man as his sole and separate property, as tenants in common.
- APN 051-330-021 is reportedly vested in Paul C. Rodriguez and Alice L. Rodriguez, husband and wife, as joint tenants.
- APN 051-330-022 is reportedly vested in Carolyn Marie Rhoads, an unmarried woman (as to an undivided ½ interest) and Cathleen Eleanor Whiting, a married woman, as her sole and separate property (as to an undivided ½ interest).
- APN 051-330-024 is reportedly vested in Delieu Scopesi, a married woman, as her sole and separate property.
- APN 051-350-012 is reportedly vested in Federal National Mortgage Association.

Copies of the EDR Environmental Lien Reports are included in Appendix E, Environmental Lien Reports.

### **2.5.6 Valuation Reduction for Environmental Issues**

URS was not provided information to indicate that the value of the property decreased due to environmental issues.

### **2.5.7 Data Gaps**

URS was not able to obtain information regarding current or historic conditions from all property owners. Based on the site reconnaissance, a review of historical information, the database search report, and an environmental lien search conducted by EDR, URS does not consider the data gaps identified herein to be significant.

**SECTION 3.0  
PHYSICAL SETTING**

URS reviewed pertinent maps and readily available literature for information on the physiography and hydrogeology of the property. A summary of this information is presented in the following subsections.

**3.1 TOPOGRAPHY**

The property is located 16, 20, 21, 22, 23, 24, 25, 26, 27, 28, 33, and 34, Township 16 South, Range 12 East, and Section 3, Township 16.5 South, Range 12 East San Bernardino Base and Meridian (U.S. Geological Survey [USGS] Seeley and Mount Signal 7.5-minute quadrangles). The topography of the property is relatively flat and ranges from mean sea level (msl) at the southern edge of the site to 40 feet below msl at the northern edge of the site. Figure 1 presents the site topography using recent USGS data.

The property is located on the edge of the irrigated agricultural land of the Imperial Valley to the east and the undeveloped desert region to the west.

**3.2 AREA GEOLOGY**

The property is located within the Salton Trough, an area of topographic and geologic depression due to regional faulting. The area is bounded by the San Andreas Fault to the northeast and the San Jacinto Fault Zone to the southwest. The property is within the former ancient Lake Coahuilla.

According to the Geologic Map of California – San Diego-El Centro Sheet, dated 1962, the property is underlain by Quaternary (recent) Lake deposits and dominated by interbedded clay, silt, and sand (California Division of Mines and Geology 1962).

The property is located within the DOGGR Geothermal District 2 and west of the Heber Geothermal Field of Imperial County which contains numerous production geothermal wells in the region.

**3.3 GROUNDWATER**

The property is located in the Imperial Valley Groundwater Basin, Imperial County. Based on review of groundwater contour maps prepared by Tetra Tech, groundwater elevation in the area of the property is approximately 40 feet below msl. With a site elevation ranging from approximately 24 to 40 feet below msl, depth to groundwater is expected to be within approximately 16 feet below ground surface (Tetra Tech 1999).



**SECTION 4.0  
AGENCY RECORDS REVIEW**

URS reviewed readily available records regarding past and current property use, contacted applicable agencies regarding potential environmental concerns at the property, and reviewed the agency database list search for potential environmental concerns at surrounding properties. The information obtained during the records review is provided in the following sections.

**4.1 DATABASE LIST SEARCH**

URS contracted with EDR to conduct a search for facilities listed by regulatory agencies as potentially having environmental concerns. The complete list of databases reviewed is provided in the EDR DataMap Area Study, included as Appendix D, and is summarized in Sections 4.1.1 and 4.1.2. It should be noted that this information is reported as received by URS from EDR, which in turn reports information as provided in various government databases. It is not possible for either URS or EDR to verify the accuracy or completeness of information contained in these databases. However, the use of and reliance on this information is a generally accepted practice in the conduct of environmental due diligence.

**4.1.1 Property**

The property was not identified on any of the databases searched by EDR. A summary of agency databases searched can be found in the EDR DataMap Area Study provided as Appendix D.

**4.1.2 Site Vicinity**

Miles Preservation at 1651 Westside Road was identified on the northeastern boundary of the property. However, based on the URS site reconnaissance, the facility is not located within the property boundaries. The facility was identified on the HAZNET database and was reported to generate household waste. Based on the regulatory status of this facility, it is not expected to impact the property.

Other facilities in the site vicinity were not identified on any of the databases searched by EDR.

**4.1.3 Orphan Sites**

URS reviewed EDR's Orphan Summary, which is a listing of sites that have not been geo-coded (coded and plotted on EDR maps) based on lack of sufficient data regarding their exact location within the general area. The property was not identified as an Unmapped Site. No additional Unmapped Sites identified on the Orphan Summary appear to be located

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within the ASTM-designated radii of the property, and, therefore, URS has no evidence that any orphan sites have had an impact on the property.

### **4.2 AGENCY CONTACTS**

During the performance of an environmental assessment, state and local regulatory agencies having jurisdiction over the property are contacted to assess the following information: the status of relevant environmental permits; whether there has been any violations, or other similar correspondence from such agencies; whether corrective action or remediation is planned, currently taking place, or was completed at the property; whether there were any reported violations or complaints that the property is not in compliance with environmental laws, regulations, or standards, and whether the property is under investigation for such non-compliance; whether the property is listed on any of the regulatory databases; and whether there is any other pertinent documentation on file with such regulatory agencies regarding the property or surrounding sites of concern. URS contacted the following agencies:

- The Imperial County, California Department of Toxic Substances Control (DTSC) was contacted. The DTSC is not able to search for files by APN. No cases were cited in the EnviroStor database at or near the property.
- The Colorado River Regional Water Quality Control Board (RWQCB) was contacted. The RWQCB is not able to search for files by APN. No cases were cited in the GeoTracker database at or near the property.
- The Imperial County Air Pollution Control District (ICAPCD) was contacted. The ICAPCD is not able to search for files by APN.

As noted above, none of the agencies contacted are able to perform file searches based on APNs. However, as discussed in Section 4.1, the property was not identified on any of the databases searched by EDR.

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**SECTION 5.0  
CONCLUSIONS**

**5.1 ON-SITE RECOGNIZED ENVIRONMENTAL CONDITIONS**

Based on URS' site reconnaissance and review of historical information, RECs from on-site sources were not identified.

**5.2 OFF-SITE RECOGNIZED ENVIRONMENTAL CONDITIONS**

Based on URS' review of historical information and the environmental database search, RECs from off-site sources were not identified.

**5.3 RECOMMENDATIONS**

Should future development be planned near the area of the historic abandoned geothermal well, the well would require inspection and possible re-abandonment according to DOGGR standards. Historic geothermal wells potentially impacting development that are not constructed or abandoned to current standards, may be required to be re-abandoned under the direction of DOGGR. Site development in the vicinity of the abandoned geothermal well may need to be set back from the well location and permanent access rights may need to be provided.

Farmland debris and equipment was observed on the property. This debris should be removed from the property and disposed of in accordance with appropriate regulations, prior to any land use changes. Should hazardous materials or impacts to soil be identified on the property during removal of debris, additional investigation would be required.

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**SECTION 6.0  
PREPARER SIGNATURES AND QUALIFICATIONS**

This section includes qualification statements of the environmental professionals responsible for conducting the Phase I ESA update and preparing this report.

Ms. Tricia Winterbauer of the URS Santa Barbara, California office directed the site reconnaissance by qualified URS personnel, conducted the data review for the project, and wrote the Phase I ESA report. Ms. Winterbauer has 15 years of experience in environmental site investigations, characterizations, and assessments.

The work conducted and the report written by Ms. Winterbauer was reviewed by Mr. David Bernal, PG. Mr. Bernal has over 20 years of experience with Phase I Environmental Site Assessments.

Ms. Winterbauer declares that, to the best of her professional knowledge and belief, she meets the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

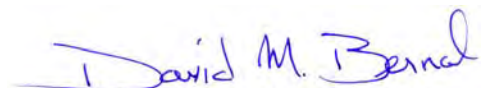
Mr. Bernal declares that, to the best of his professional knowledge and belief, he meets the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

Ms. Winterbauer has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of this property. With the assistance of Mr. Bernal, they have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



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Tricia Winterbauer  
Senior Environmental Specialist



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David Bernal, PG #5554  
Principal Geologist

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**SECTION 7.0  
REFERENCES**

- American Society of Testing Materials (ASTM) International. 2005. Standard E 1527-05, “*Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process.*” November 1.
- California Department of Pesticide Regulation. 2012. Database of registered and certified users program. From their web page: <http://www.cdpr.ca.gov/index.htm>. March.
- California Division of Mines and Geology. 1962. Geologic Map of California: San Diego-El Centro Sheet.
- California Division of Oil, Gas, and Geothermal Resources (DOGGR). 2012. *Database of Oil and Gas maps.* March.
- California Regional Water Quality Control Board (RWQCB). 2012. GeoTracker database from the RWQCB web page: <http://geotracker.swrcb.ca.gov/>. March.
- Environmental Data Resources, Inc. (EDR). 2012a. EDR DataMap Area Study, Inquiry Number 3256771.1s. February 13
- 2012b. EDR USGS Aerial Photo Decade Package, Inquiry Number: 3257576.1 February 15.
- 2012c. EDR USGS Aerial Photo Decade Package, Inquiry Number: 3256771.2. February 13.
- 2012d. EDR Environmental Lien Report, Inquiry Number: 3256771.3S, February 29.
- 2012e. EDR Environmental Lien and AUL Search, Inquiry Number: 3276025.1. March 14.
- 2011a. EDR Historical Topographic Map Report, Inquiry Number: 3101318.3 June 22.
- 2011b. EDR USGS Aerial Photo Decade Package, Inquiry Number: 3101318.4 June 27.
- Federal Register. 2005. Vol. 70, No. 210. U.S. Environmental Protection Agency. *Standards and Practices for All Appropriate Inquiries; Final Rule* (40 CFR Part 312). November 1.
- Mathis and Associates, Inc. 2010. Phase I Environmental Site Assessment, Imperial Valley Solar Project. June.

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Tetra Tech, Incorporated. 1999. A Study on Seepage and Subsurface Inflows to Salton Sea and Adjacent Wetlands. Prepared for Salton Sea Authority, July 9, 1999.

URS. 2011. Phase I Environmental Site Assessment, First Solar Project Sagebrush Site. July 7.

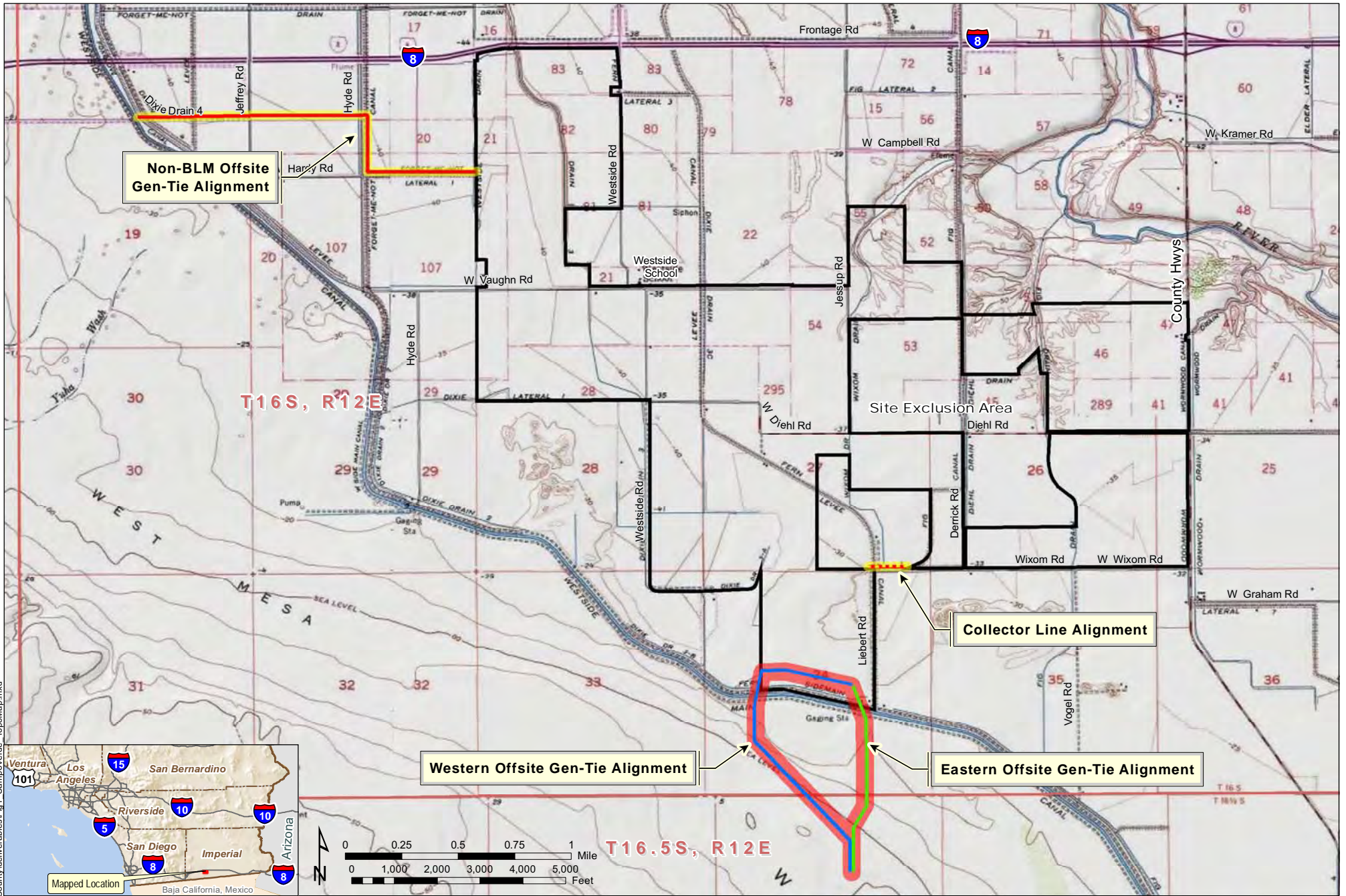
U.S. Environmental Protection Agency (USEPA). 2011. *California Map of Radon Zones*. From the USEPA web page: <http://www.epa.gov/iaq/radon/zonemap.html>. June.

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**FIGURES**





Legend	
<span style="color: green;">—</span>	Eastern Offsite Gen-Tie Alignment
<span style="color: blue;">—</span>	Western Offsite Gen-Tie Alignment
<span style="color: red;">—</span>	Non-BLM Offsite Gen-Tie Alignment
<span style="color: orange;">—</span>	Collector Line Alignment
<span style="background-color: yellow; border: 1px solid black; width: 10px; height: 10px;"></span>	100' Easement Width
<span style="background-color: pink; border: 1px solid black; width: 10px; height: 10px;"></span>	200' Easement Width
<span style="background-color: black; border: 1px solid black; width: 10px; height: 10px;"></span>	Campo Verde Project Site
<span style="border: 1px solid black; width: 10px; height: 10px;"></span>	Township-Range Grid

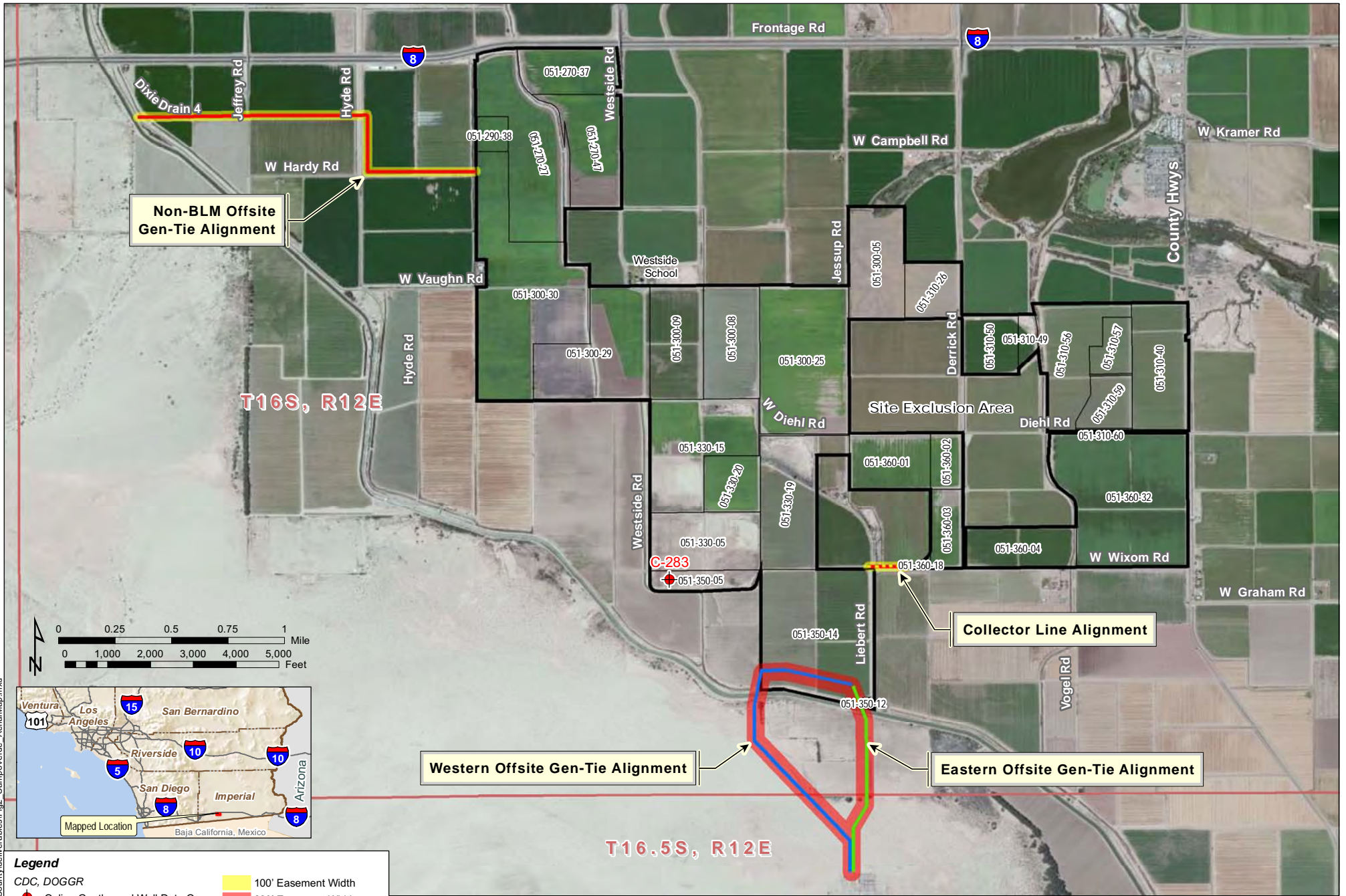
**First Solar - Phase I ESA  
Campo Verde Project Site  
Imperial County**

URS Corporation

Source: [1] Seamless, scanned images of United States Geological Survey (USGS) paper topographic 1:24,000-scale maps by National Geographic TOPOI, [2] California Geospatial Information Library PLS, [3] Imperial County Office of the Assessor, [4] ESRI StreetMap USA (2007).

**Figure 1. TOPOGRAPHIC MAP OF PROJECT AREA**





**Non-BLM Offsite Gen-Tie Alignment**

**Collector Line Alignment**

**Western Offsite Gen-Tie Alignment**

**Eastern Offsite Gen-Tie Alignment**

- Legend**
- Online Geothermal Well Data Query
  - 100' Easement Width
  - 200' Easement Width
  - Eastern Offsite Gen-Tie Alignment
  - Campo Verde Project Site
  - Western Offsite Gen-Tie Alignment
  - County Assessor's Parcel Boundaries
  - Non-BLM Offsite Gen-Tie Alignment
  - Collector Line Alignment
  - Township-Range Grid

**First Solar - Phase I ESA  
Campo Verde Project Site  
Imperial County**

URS Corporation

Source: [1] Bing Maps Aerial Imagery Web Mapping Service - (c) 2010 Microsoft Corporation and its data suppliers (Image Date: May, 2011), [2] California Geospatial Information Library PLS, [3] Imperial County Office of the Assessor. [4] ESRI StreetMap USA (2007).

**Figure 2. AERIAL MAP OF PROJECT AREA**

T:\FirstSolar\Imperial\County\deliverables\Fig2\_CampoVerde\_AerialMap.mxd

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**APPENDIX A  
SITE PHOTOGRAPHS**



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	<p><b>Photograph 1</b></p> <p><b>Comments:</b></p> <p>APN: 051-310-40</p> <p>Facing south from the eastern boundary of the property.</p>
	<p><b>Photograph 2</b></p> <p><b>Comments:</b></p> <p>APN: 051-310-40</p> <p>Facing west from the eastern boundary of the property.</p>

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Photograph 3

Comments:

APN: 051-310-40

View of monument facing west on western boundary of parcel.



Photograph 4

Comments:

APN: 051-360-32

View of AST and agricultural chemical application.



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**Photograph 5**

**Comments:**

APN: 051-310-56

Facing south along electric transmission lines from the north-west portion of the property.



**Photograph 6**

**Comments:**

APN: 051-310-26

Facing north toward shade structure and corral.

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**Photograph 7**

**Comments:**

APN: 051-300-25

Facing south from the northeast corner of the parcel.



**Photograph 8**

**Comments:**

APN: 051-309-09

Facing west from the central portion of the parcel.



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Photograph 9

Comments:

APN: 051-310-09

View facing north along Westside Road in the central portion of the property.



Photograph 10

Comments:

APN: 051-300-30

Facing east from the southwest corner of the parcel.

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**Photograph 11**

**Comments:**

APN 051-260-29

View of Non-BLM  
Off-site Gen-Tie  
Alignment, facing  
west.



**Photograph 12**

**Comments:**

APN: 051-290-14

Debris along Non-  
BLM Off-site Gen-  
Tie Alignment,  
facing northwest.



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Photograph 13

Comments:

APN: 051-270-37

Facing west from the northern edge of project. US Highway 8 is visible to the north of the property.



Photograph 14

Comments:

APN: 051-270-47

Facing north from the southwest corner of the parcel.

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**Photograph 15**  
**Comments:**  
APN: 051-350-14  
View facing northwest toward shade/shelter structure in central portion of property.



**Photograph 16**  
**Comments:**  
APN: 051-350-14  
View facing north of bee box shade structure on southern side of parcel.



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FIRST SOLAR CAMPO VERDE PROJECT SITE**



Photograph 17

Comments:

APN: 051-350-12

View of residential structure and garage, facing north.



Photograph 18

Comments:

APN: 051-360-04

View of agricultural ASTs.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FIRST SOLAR CAMPO VERDE PROJECT SITE**



**Photograph 19**  
**Comments:**  
APN: 051-350-09  
View from  
Western Off-site  
Gen-Tie Alignment  
facing southwest.



**Photograph 20**  
**Comments:**  
APN: 051-350-11  
View from Eastern  
Off-site Gen-Tie  
alignment facing  
south.



**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FIRST SOLAR CAMPO VERDE PROJECT SITE**



Photograph 21

Comments:

APN: 051-380-24

View facing north from Eastern Off-site Gen-Tie Alignment.



Photograph 22

Comments:

APN: 051-380-24

View facing south from Eastern Off-site Gen-Tie Alignment

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FIRST SOLAR CAMPO VERDE PROJECT SITE**



Photograph 23

Comments:

APN: 051-360-18

View facing east  
along Collector  
Line Alignment

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FIRST SOLAR CAMPO VERDE PROJECT SITE**

---

**APPENDIX B  
EDR HISTORICAL TOPOGRAPHIC MAP REPORT**



**First Solar Project Sagebrush**

First Solar Project Sagebrush

El Centro, CA 92243

Inquiry Number: 3101318.3

June 22, 2011

# EDR Historical Topographic Map Report



# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

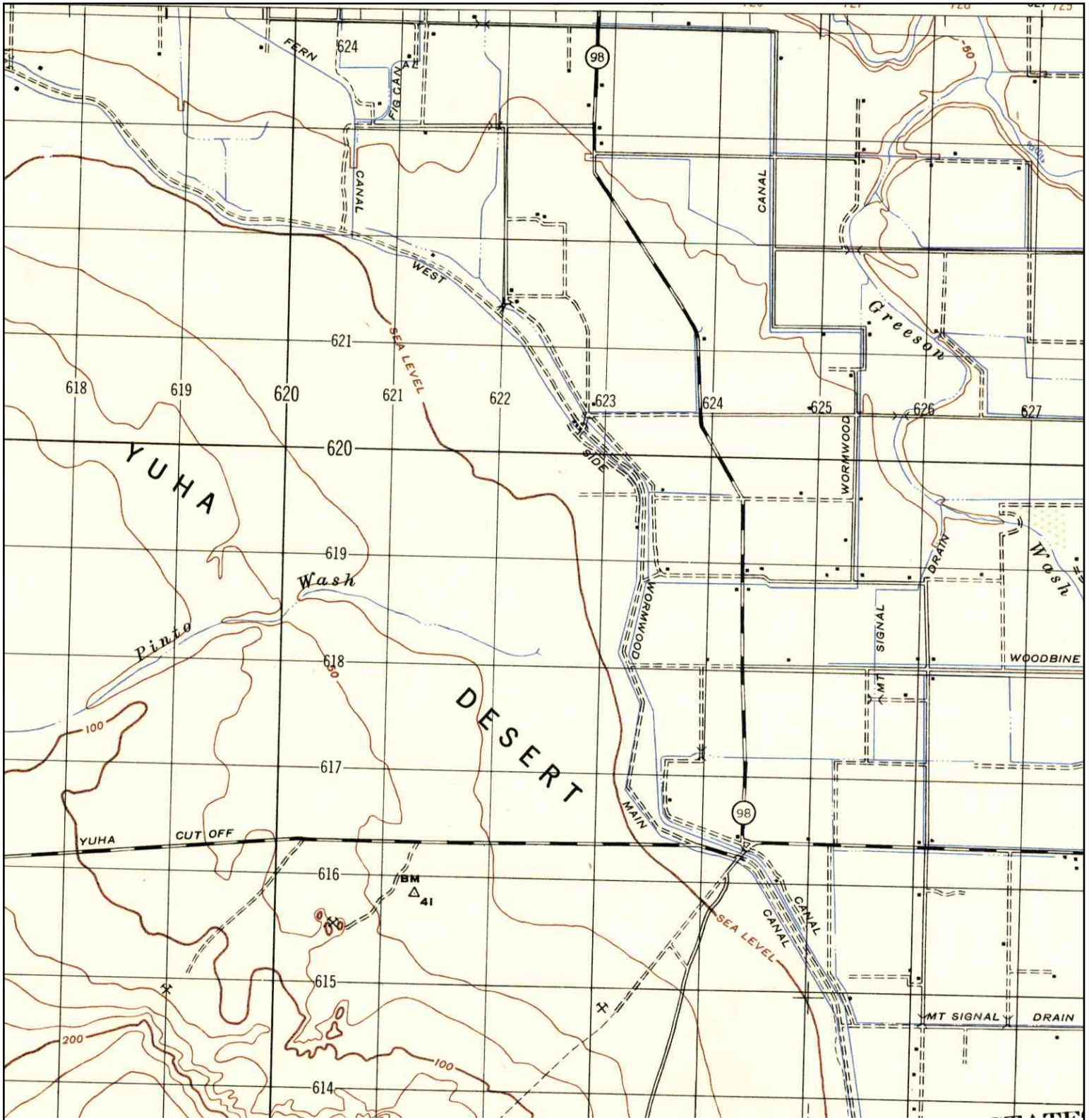
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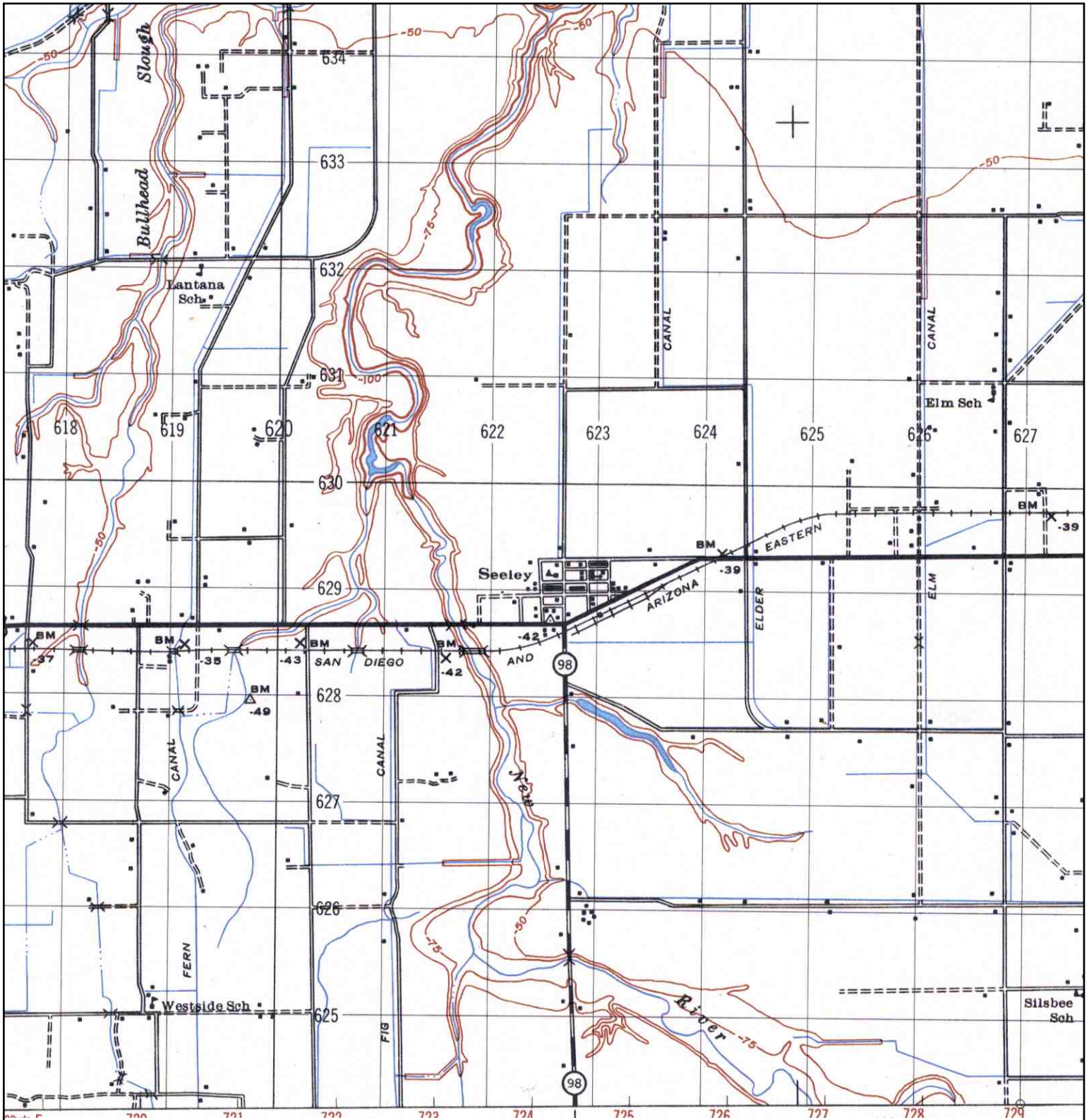
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# Historical Topographic Map



<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: HEBER                  MAP YEAR: 1947</p>	<p><b>SITE NAME:</b> First Solar Project Sagebrush  <b>ADDRESS:</b> First Solar Project Sagebrush                  El Centro, CA 92243  <b>LAT/LONG:</b> 32.752 / -115.7182</p>	<p><b>CLIENT:</b> URS Corporation  <b>CONTACT:</b> Tricia Winterbauer  <b>INQUIRY#:</b> 3101318.3  <b>RESEARCH DATE:</b> 06/22/2011</p>
	<p><b>SERIES:</b> 15  <b>SCALE:</b> 1:50000</p>		

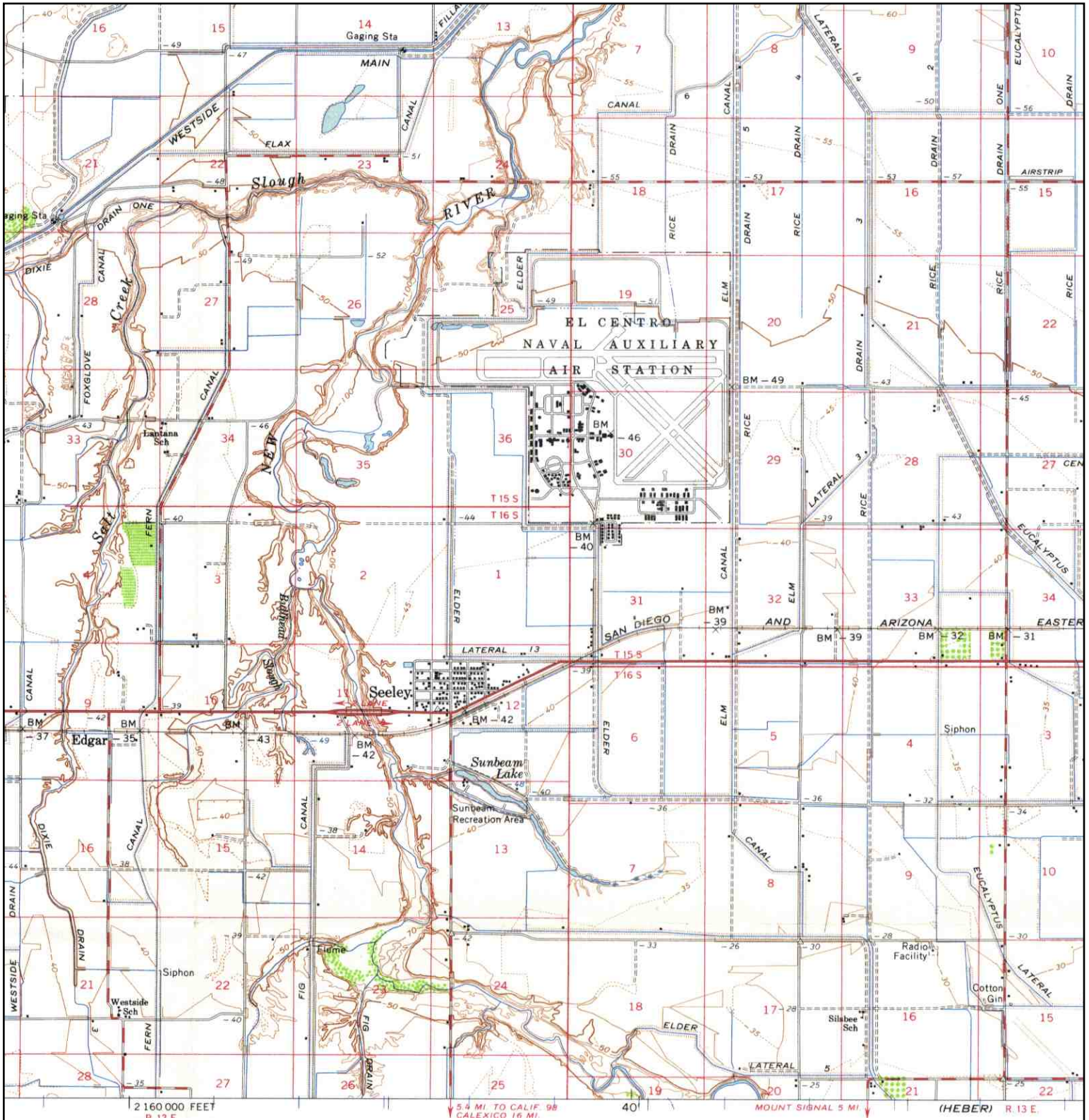
# Historical Topographic Map



	<b>TARGET QUAD</b> NAME: BRAWLEY MAP YEAR: 1948	SITE NAME: First Solar Project Sagebrush ADDRESS: First Solar Project Sagebrush El Centro, CA 92243 LAT/LONG: 32.752 / -115.7182	CLIENT: URS Corporation CONTACT: Tricia Winterbauer INQUIRY#: 3101318.3 RESEARCH DATE: 06/22/2011
	SERIES: 15 SCALE: 1:50000		



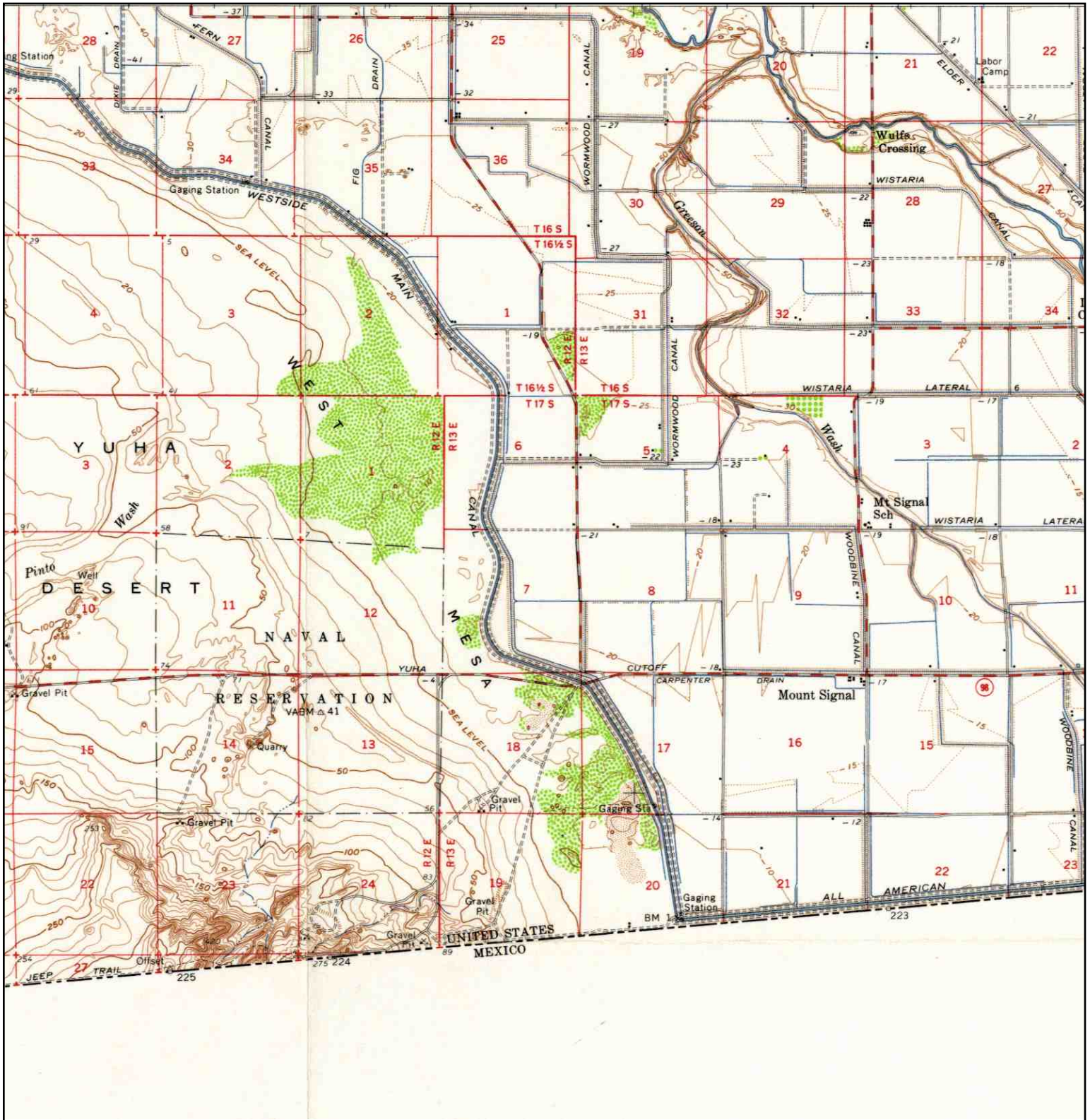
# Historical Topographic Map



<p>N</p>	<p><b>TARGET QUAD</b></p>	<p><b>SITE NAME:</b> First Solar Project Sagebrush</p>	<p><b>CLIENT:</b> URS Corporation</p>
	<p>NAME: BRAWLEY</p>	<p>ADDRESS: First Solar Project Sagebrush</p>	<p>CONTACT: Tricia Winterbauer</p>
	<p>MAP YEAR: 1957</p>	<p>EL CENTRO, CA 92243</p>	<p>INQUIRY#: 3101318.3</p>
	<p>SERIES: 15</p>	<p>LAT/LONG: 32.752 / -115.7182</p>	<p>RESEARCH DATE: 06/22/2011</p>
	<p>SCALE: 1:62500</p>		



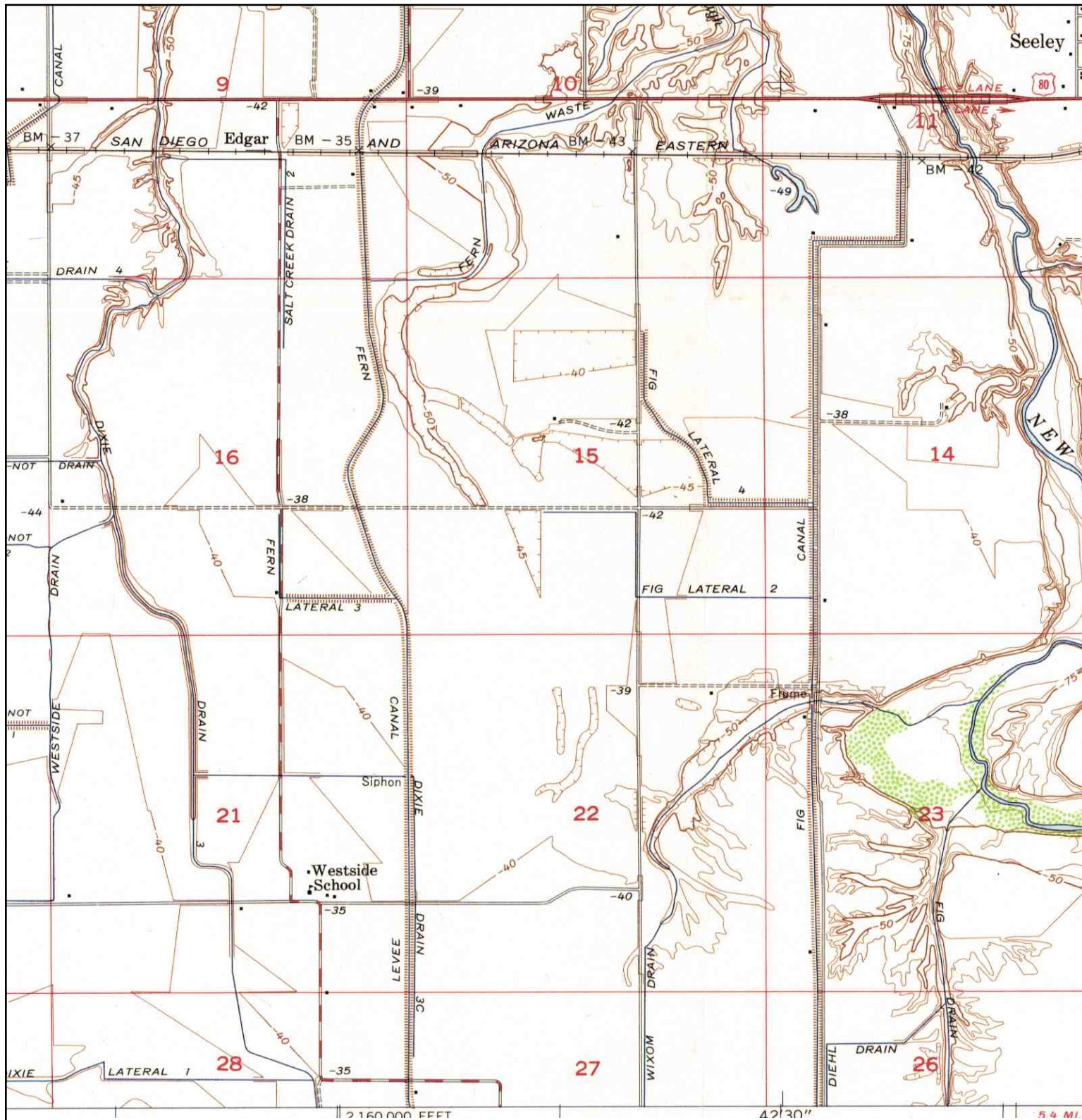
# Historical Topographic Map



<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: HEBER                  MAP YEAR: 1957</p>	<p><b>SITE NAME:</b> First Solar Project Sagebrush  <b>ADDRESS:</b> First Solar Project Sagebrush                  El Centro, CA 92243  <b>LAT/LONG:</b> 32.752 / -115.7182</p>	<p><b>CLIENT:</b> URS Corporation  <b>CONTACT:</b> Tricia Winterbauer  <b>INQUIRY#:</b> 3101318.3  <b>RESEARCH DATE:</b> 06/22/2011</p>
	<p><b>SERIES:</b> 15  <b>SCALE:</b> 1:62500</p>		

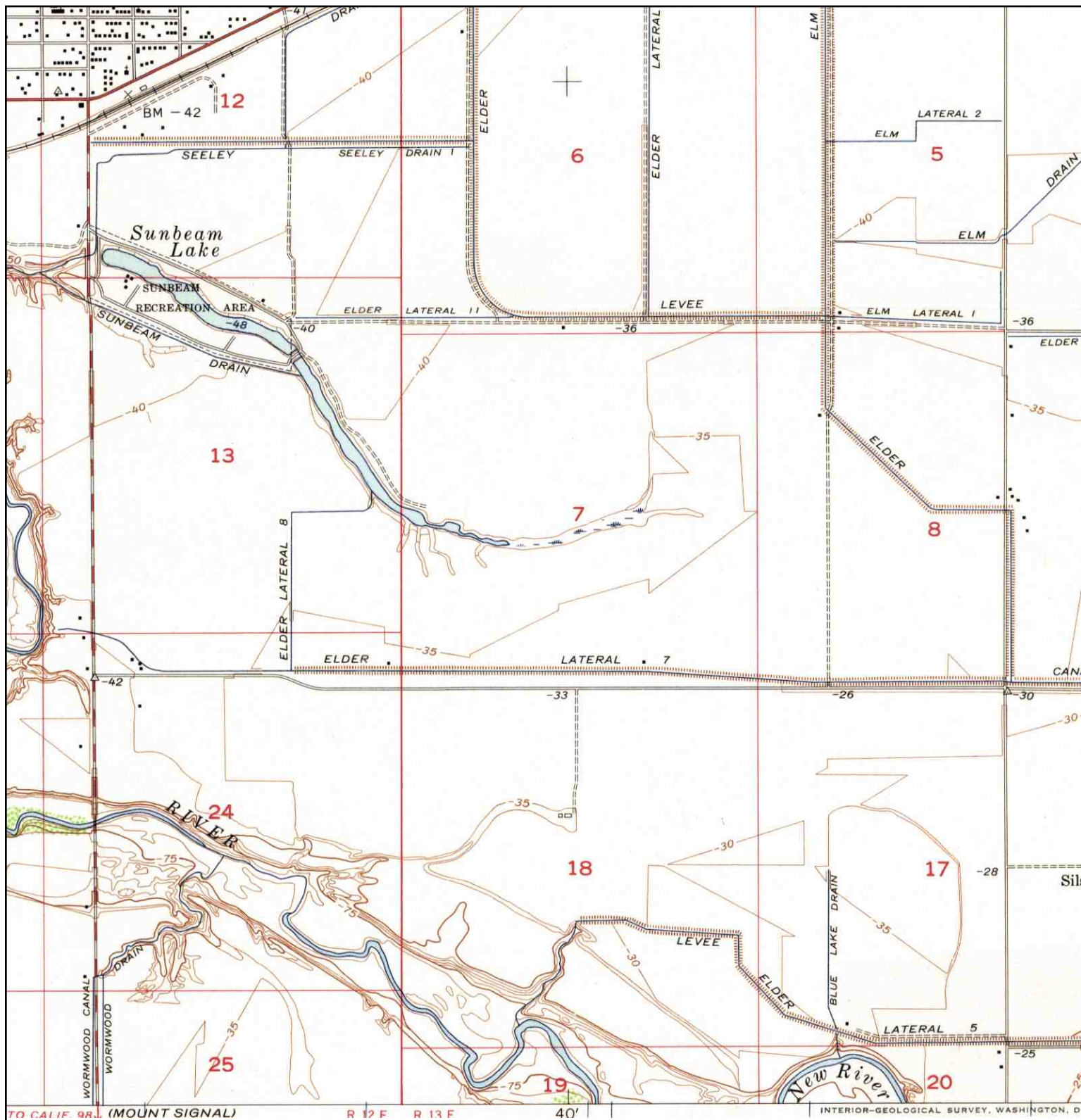


# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> First Solar Project Sagebrush	<b>CLIENT:</b> URS Corporation
	NAME: SEELEY	<b>ADDRESS:</b> First Solar Project Sagebrush	<b>CONTACT:</b> Tricia Winterbauer
	MAP YEAR: 1957	<b>LAT/LONG:</b> 32.752 / -115.7182	<b>INQUIRY#:</b> 3101318.3
	SERIES: 7.5		<b>RESEARCH DATE:</b> 06/22/2011
	SCALE: 1:24000		

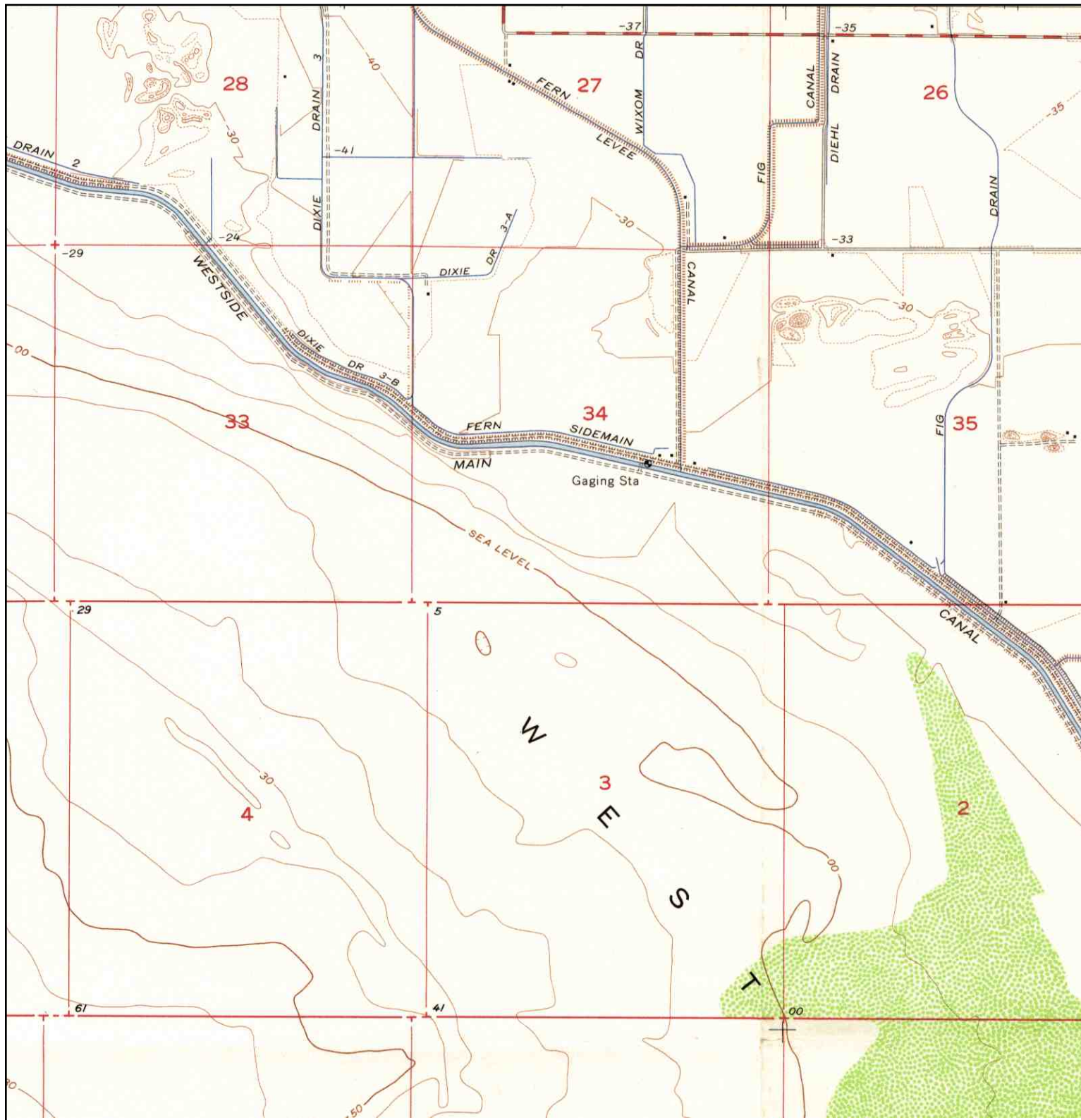
# Historical Topographic Map



<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: SEELEY                  MAP YEAR: 1957</p>	<p><b>SITE NAME:</b> First Solar Project Sagebrush  <b>ADDRESS:</b> First Solar Project Sagebrush                  El Centro, CA 92243  <b>LAT/LONG:</b> 32.752 / -115.7182</p>	<p><b>CLIENT:</b> URS Corporation  <b>CONTACT:</b> Tricia Winterbauer  <b>INQUIRY#:</b> 3101318.3  <b>RESEARCH DATE:</b> 06/22/2011</p>
	<p><b>SERIES:</b> 7.5  <b>SCALE:</b> 1:24000</p>		



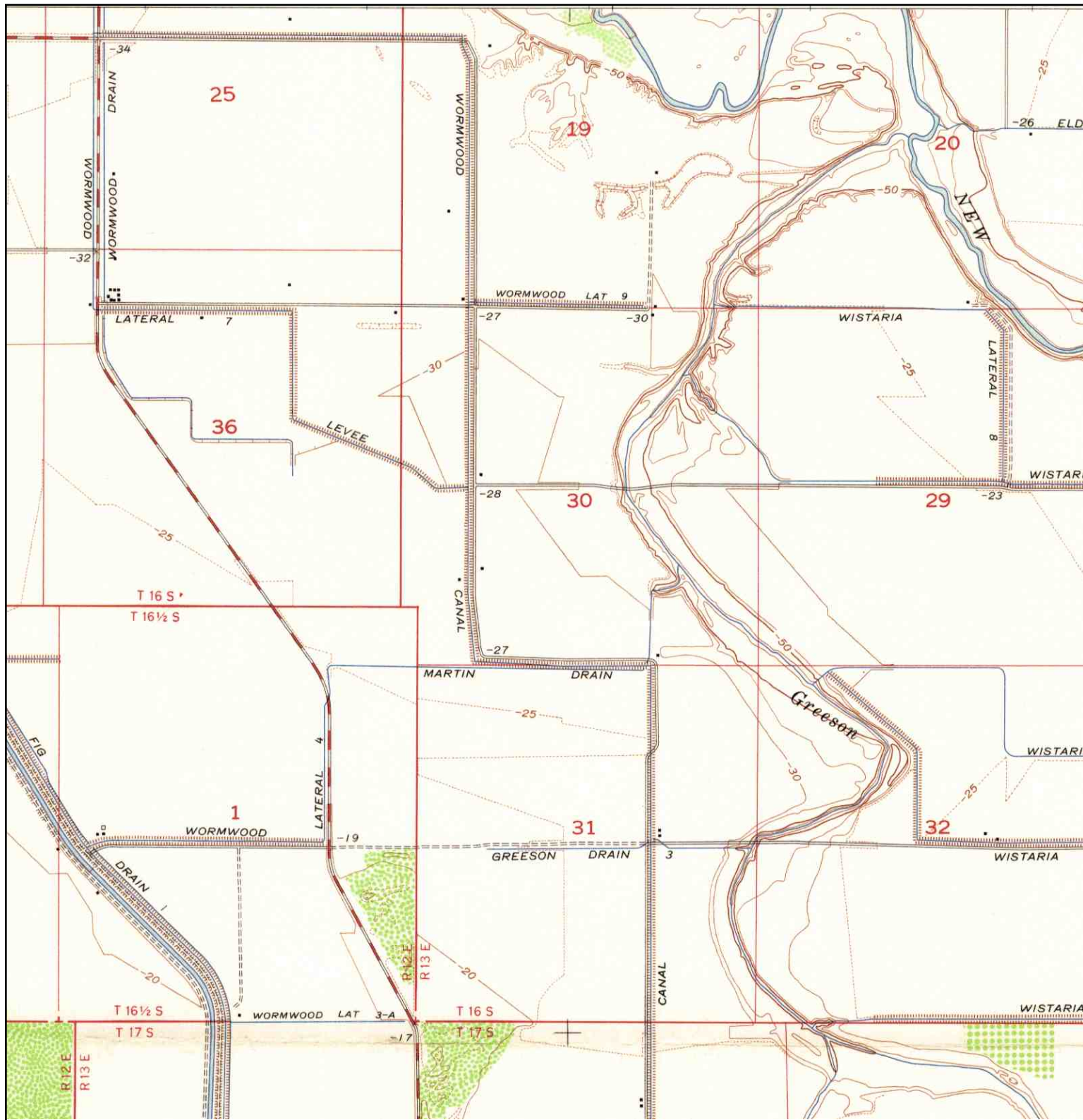
# Historical Topographic Map



	<b>TARGET QUAD</b> NAME: MOUNT SIGNAL MAP YEAR: 1957	SITE NAME: First Solar Project Sagebrush ADDRESS: First Solar Project Sagebrush El Centro, CA 92243 LAT/LONG: 32.752 / -115.7182	CLIENT: URS Corporation CONTACT: Tricia Winterbauer INQUIRY#: 3101318.3 RESEARCH DATE: 06/22/2011
	SERIES: 7.5 SCALE: 1:24000		

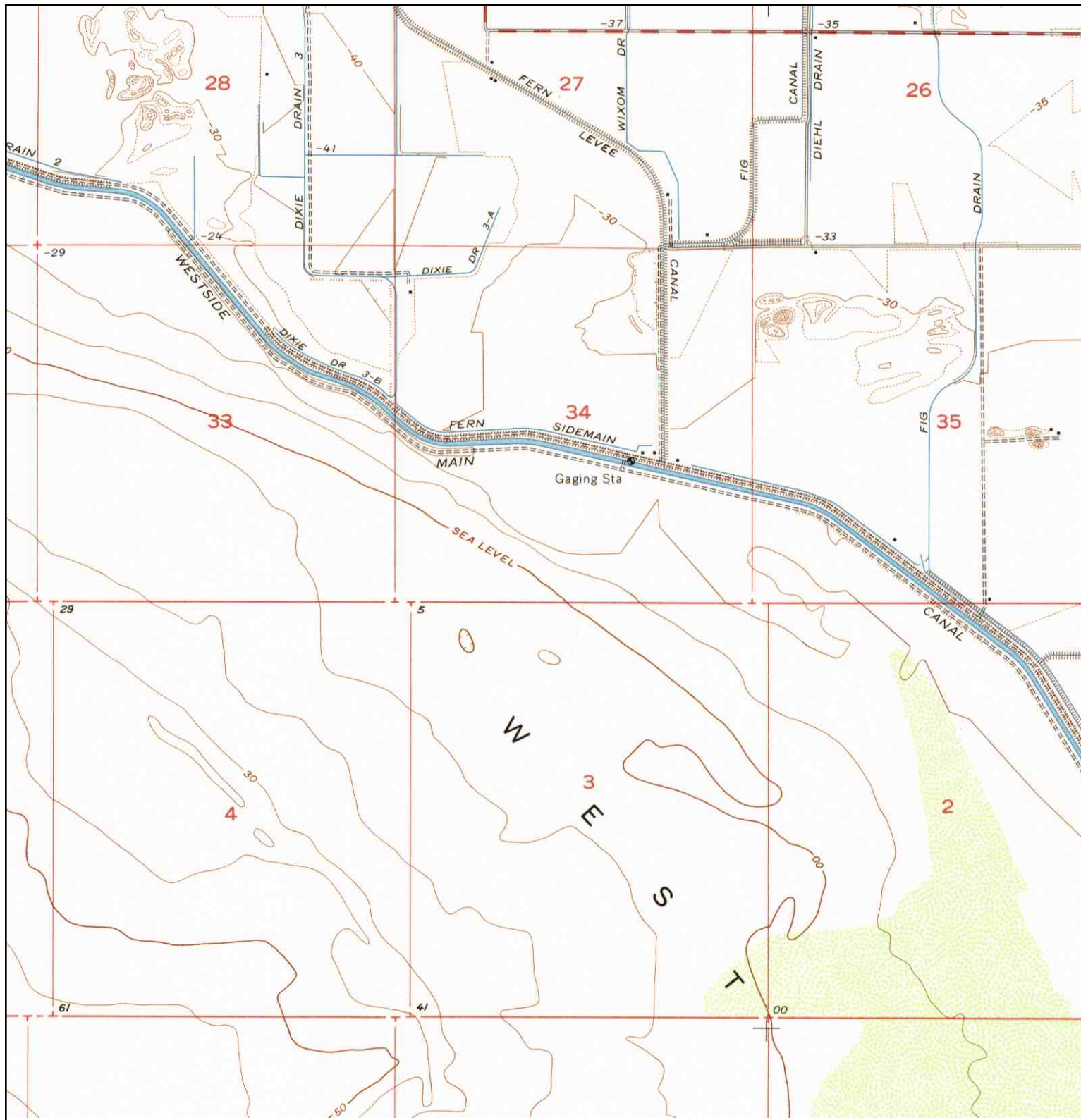


# Historical Topographic Map



	<b>TARGET QUAD</b> NAME: MOUNT SIGNAL MAP YEAR: 1957	SITE NAME: First Solar Project Sagebrush ADDRESS: First Solar Project Sagebrush El Centro, CA 92243 LAT/LONG: 32.752 / -115.7182	CLIENT: URS Corporation CONTACT: Tricia Winterbauer INQUIRY#: 3101318.3 RESEARCH DATE: 06/22/2011
	SERIES: 7.5 SCALE: 1:24000		

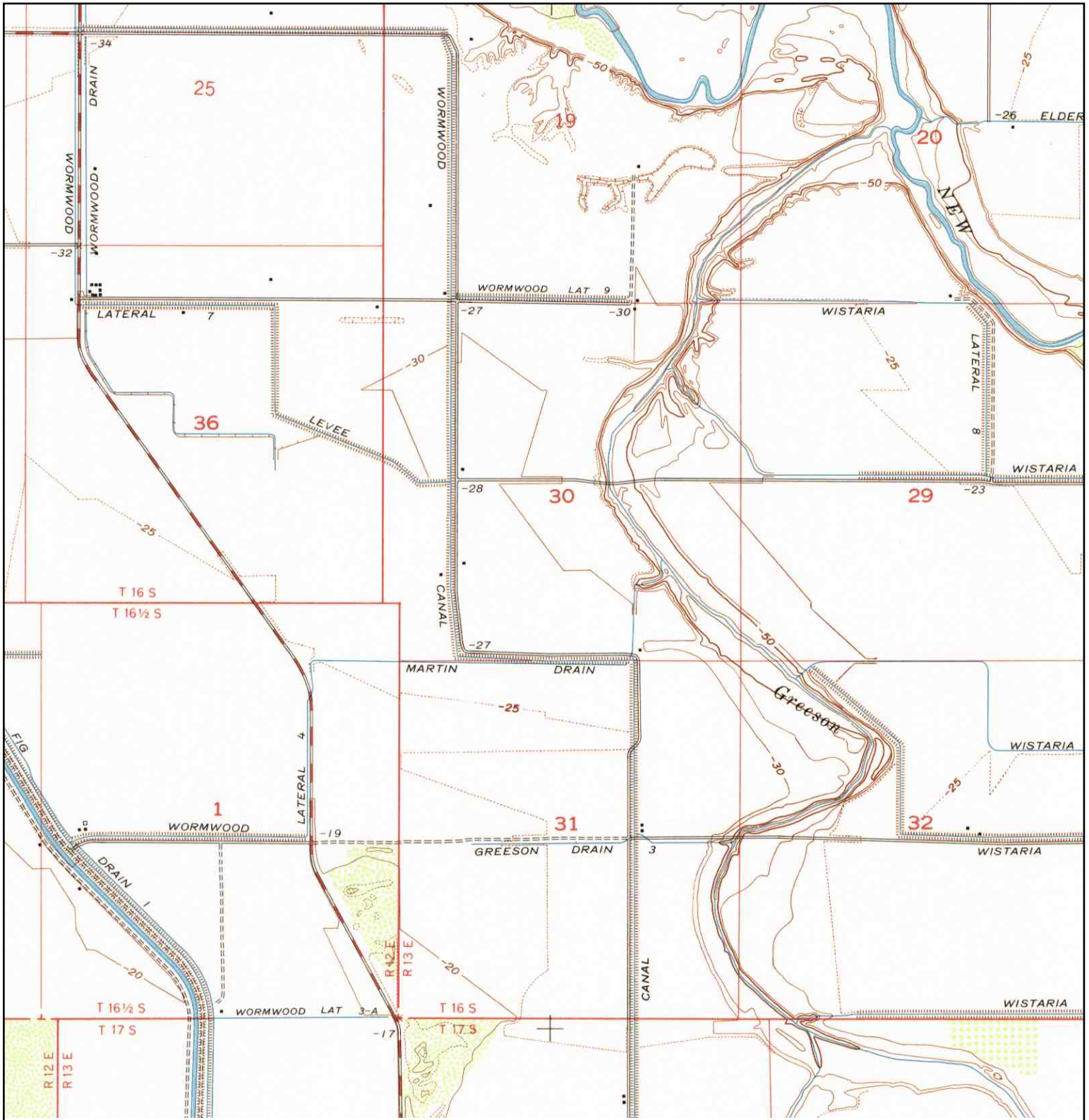
# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> First Solar Project Sagebrush	<b>CLIENT:</b> URS Corporation
	NAME: MOUNT SIGNAL	<b>ADDRESS:</b> First Solar Project Sagebrush	<b>CONTACT:</b> Tricia Winterbauer
	MAP YEAR: 1976	El Centro, CA 92243	<b>INQUIRY#:</b> 3101318.3
	PHOTOINSPECTED: 1957	<b>LAT/LONG:</b> 32.752 / -115.7182	<b>RESEARCH DATE:</b> 06/22/2011
	SERIES: 7.5		
	SCALE: 1:24000		

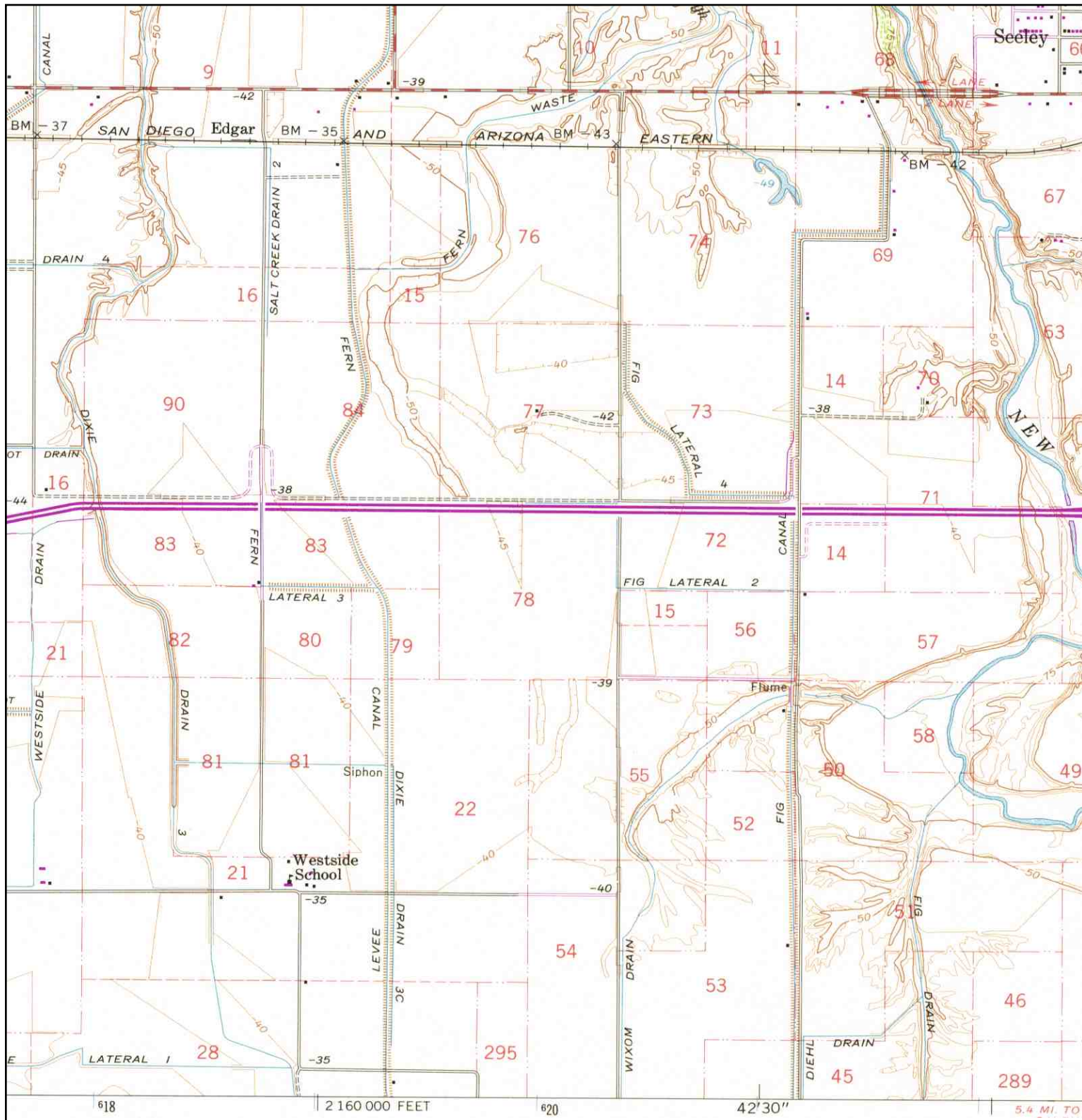


# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> First Solar Project Sagebrush	<b>CLIENT:</b> URS Corporation
	NAME: MOUNT SIGNAL	<b>ADDRESS:</b> First Solar Project Sagebrush	<b>CONTACT:</b> Tricia Winterbauer
	MAP YEAR: 1976	El Centro, CA 92243	<b>INQUIRY#:</b> 3101318.3
	PHOTOINSPECTED: 1957	<b>LAT/LONG:</b> 32.752 / -115.7182	<b>RESEARCH DATE:</b> 06/22/2011
	SERIES: 7.5		
	SCALE: 1:24000		

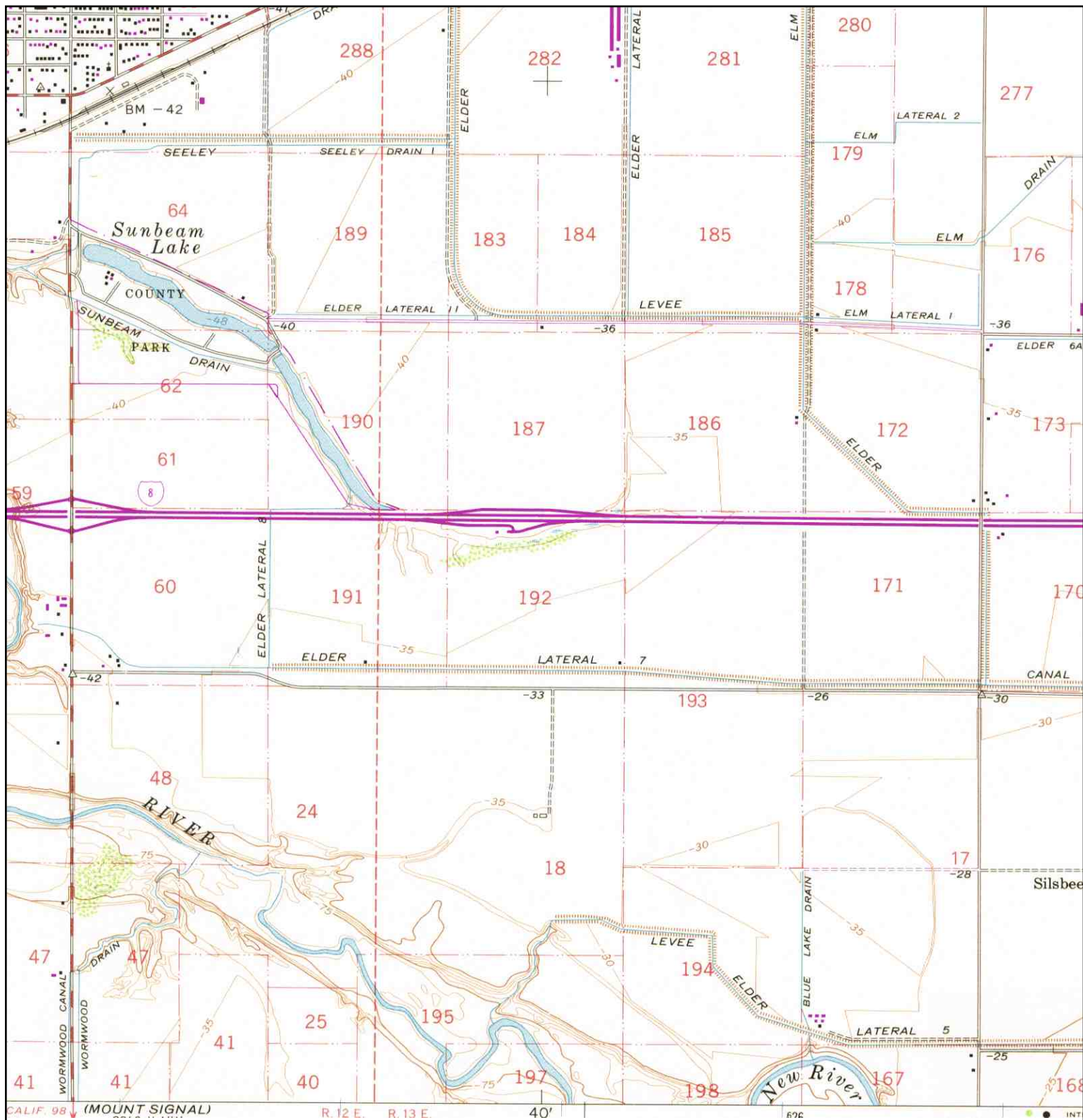
# Historical Topographic Map




	<b>TARGET QUAD</b>	<b>SITE NAME:</b> First Solar Project Sagebrush	<b>CLIENT:</b> URS Corporation
	NAME: SEELEY	<b>ADDRESS:</b> First Solar Project Sagebrush	<b>CONTACT:</b> Tricia Winterbauer
	MAP YEAR: 1979	El Centro, CA 92243	<b>INQUIRY#:</b> 3101318.3
	PHOTOREVISED: 1957	<b>LAT/LONG:</b> 32.752 / -115.7182	<b>RESEARCH DATE:</b> 06/22/2011
	SERIES: 7.5		
	SCALE: 1:24000		



# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> First Solar Project Sagebrush	<b>CLIENT:</b> URS Corporation
	NAME: SEELEY	ADDRESS: First Solar Project Sagebrush	CONTACT: Tricia Winterbauer
	MAP YEAR: 1979	EI Centro, CA 92243	INQUIRY#: 3101318.3
	PHOTOREVISED: 1957	LAT/LONG: 32.752 / -115.7182	RESEARCH DATE: 06/22/2011
	SERIES: 7.5		
	SCALE: 1:24000		

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FIRST SOLAR CAMPO VERDE PROJECT SITE**

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**APPENDIX C  
EDR AERIAL PHOTO DECADE PACKAGE**



**First Solar Project Sagebrush**

First Solar Project Sagebrush

El Centro, CA 92243

Inquiry Number: 3101318.4

June 27, 2011

## The EDR Aerial Photo Decade Package

# EDR Aerial Photo Decade Package

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**Date EDR Searched Historical Sources:**

Aerial Photography June 27, 2011

**Target Property:**

First Solar Project Sagebrush

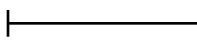
El Centro, CA 92243

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1954	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1954	Army
1954	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1954	Army
1954	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1954	Army
1971	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1971	Nasa
1971	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1971	Nasa
1971	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1971	Nasa
1984	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1984	USGS
1984	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1984	USGS
1984	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1984	USGS
1996	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1996	USGS
1996	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1996	USGS
1996	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1996	USGS
2002	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2002	USGS
2002	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2002	USGS
2002	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2002	USGS
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=604'	Flight Year: 2006	EDR



**INQUIRY #:** 3101318.4

**YEAR:** 1954

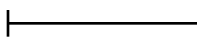
 = 1000'





**INQUIRY #:** 3101318.4

**YEAR:** 1954

 = 1000'







INQUIRY #: 3101318.4

YEAR: 1954

| = 1000'







INQUIRY #: 3101318.4

YEAR: 1971

|—————| = 1000'





INQUIRY #: 3101318.4

YEAR: 1971

| = 1000'







INQUIRY #: 3101318.4

YEAR: 1971

|—————| = 1000'





**INQUIRY #:** 3101318.4

**YEAR:** 1984

— = 1000'







**INQUIRY #:** 3101318.4

**YEAR:** 1984

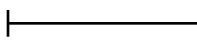
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**INQUIRY #:** 3101318.4

**YEAR:** 1984

 = 1000'







**INQUIRY #:** 3101318.4

**YEAR:** 1996

| = 1000'





**INQUIRY #:** 3101318.4

**YEAR:** 1996

| = 1000'







**INQUIRY #:** 3101318.4

**YEAR:** 1996

— = 1000'





**INQUIRY #:** 3101318.4

**YEAR:** 2002

| = 1000'

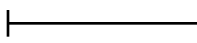






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**YEAR:** 2002

 = 1000'





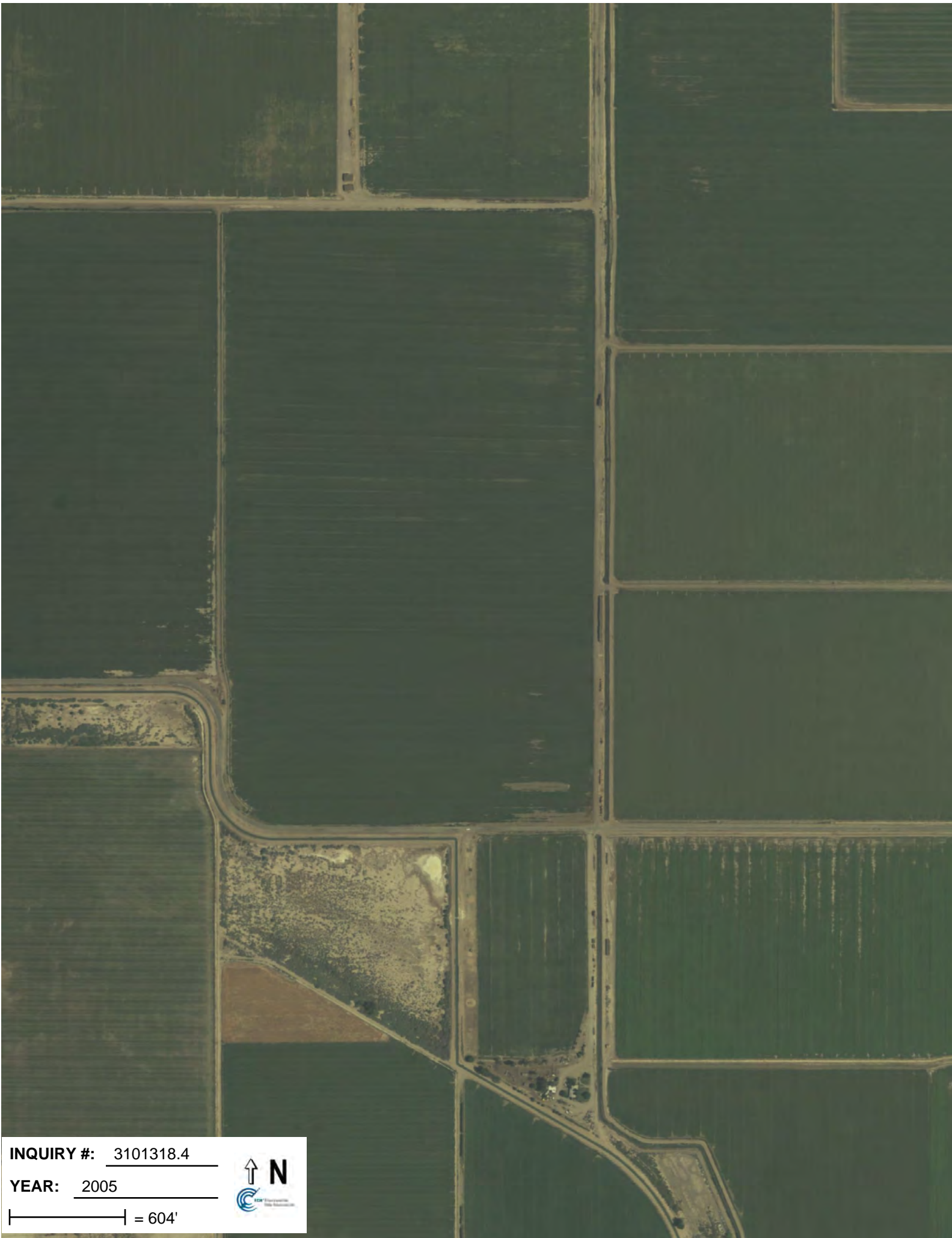
**INQUIRY #:** 3101318.4

**YEAR:** 2002

**| = 1000'**

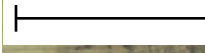






**INQUIRY #:** 3101318.4

**YEAR:** 2005

 = 604'

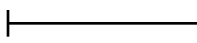






**INQUIRY #:** 3101318.4

**YEAR:** 2006

 = 604'





**First Solar Campo Verde Project Site**

First Solar Campo Verde Project Site  
Thermal, CA 92274

Inquiry Number: 3257576.1

February 15, 2012



## The EDR Aerial Photo Decade Package

# EDR Aerial Photo Decade Package

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**Date EDR Searched Historical Sources:**

Aerial Photography February 15, 2012

**Target Property:**

First Solar Campo Verde Project Site

Thermal, CA 92274

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1953	Aerial Photograph. Scale: 1"=655'	Flight Year: 1953	Army
1973	Aerial Photograph. Scale: 1"=533'	Flight Year: 1973 Best Copy Available from original source	NASA
1984	Aerial Photograph. Scale: 1"=690'	Flight Year: 1984	USGS
1996	Aerial Photograph. Scale: 1"=666'	Flight Year: 1996	USGS
2002	Aerial Photograph. Scale: 1"=500'	/Composite DOQQ - acquisition dates: 2002	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR



INQUIRY #: 3257576.1

YEAR: 1953

| = 655'





INQUIRY #: 3257576.1

YEAR: 1973

| = 533'

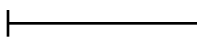






**INQUIRY #:** 3257576.1

**YEAR:** 1984

 = 690'







INQUIRY #: 3257576.1

YEAR: 1996

| = 666'







INQUIRY #: 3257576.1

YEAR: 2002

| = 500'







**INQUIRY #:** 3257576.1

**YEAR:** 2005

 = 500'







INQUIRY #: 3257576.1

YEAR: 2006

| = 500'







**First Solar Campo Verde Project Site**

First Solar Campo Verde Project Site  
El Centro, CA 92243

Inquiry Number: 3256771.2  
February 13, 2012

## The EDR Aerial Photo Decade Package