

# Genesis Solar Energy Project 09-AFC-8 Data Adequacy Supplement 1B

October 29<sup>th</sup>, 2009

## Cultural Resources

### Cultural Resources: Appendix B (g) (2) (C) cont.

#### Information Required:

Applicant needs to revise and re-submit the archaeological survey technical report (Vol. II, App. G) to conform to ARMR content, including:

- Identification of the geographical boundaries of the study area (define and distinguish the APE(s) and the survey areas) (ARMR V, E); Discussion of previous research and known sites (ARMR, VII, B);
- Full description of survey methods (dates, crew size, visibility conditions) and accurate description and map of survey area coverage (ARMR, VIII, B); and
- Discussion of results related to research questions (ARMR, X, A).

Also, reconcile site count conflicts:

- Between text (p. 42) & Table 7;
- Between text (p. 46) & Table 11;
- Between text (p. 65) & Tables 7, 11, and 20.

#### Response:

The requested changes to the Technical Report (Vol. II, App. G) have been incorporated in the revised draft of the technical report prepared in response to BLM and CEC comments. This revised draft was submitted to the BLM on 29 October 2009 and to the CEC on 29 October 2009 (filed under confidential cover).

#### Information Required/Comment:

The 10/23/09 staff comment on the 10/06/09 Data Adequacy Supplement: Appendix B (g) (2) (C) states, "Information included in the technical report shall also be provided in the Application for Certification, except that confidential information (archaeological site or areas of religious significance) shall be submitted under a request for confidentiality...."

AFC Section 5.16, Cultural Resources, included site counts and other appropriate statistics from the Technical Report, but some errors were duplicated from the Technical Report as well. In addition, staff requested that some information be added to the AFC section 5.16 that was not

confidential but was important to understanding the research done and the results obtained. So staff requested these additions and the correction of these errors as follows:

- Add to AFC Sec. 5.16 the technical report's Table 4 (search results for the transmission line survey);
- Add to AFC Table 5.16-3 the additional isolated finds listed in the technical report's Table 5;
- Specify, on AFC p. 5.16-14, the project areas for which the three literature searches were conducted;
- Add to AFC Sec. 5.16.1.3 the date, etc., for the literature search done for the transmission line;
- Add the Energy-Commission required survey coverage for the natural gas pipeline and the access road to AFC Sec. 5.16.1.5;
- Correct the statistics (report count, site count, and search area coverage) provided in the last paragraph on AFC p. 5.16-15; and
- Reconcile the site count between text in the last sentence of the first full paragraph on AFC p. 5.16-23 and Table 5.16-4.

In the Supplement [submitted 10/06/09], the technical report's Table 4 was added to AFC section 5.16 as Table 15.16-3. AFC section 5.16 had no other tables numbered 15.16-x, so staff believes Table 15.16-3 was probably supposed to be Table 5.16-3. But AFC section 5.16 already had a Table 5.16-3, so previous Table 5.16-3 has become Table 5.16-4 in the Supplement and has different content than its AFC predecessor. The AFC still has a previous Table 5.16-4, and the Supplement suggest no further re-numbering of the tables in 5.16.

To include the full inventory of isolated finds in AFC Table 5.16-3 (old version), that table became Table 5.16-4 in the Supplement.

**Response:**

The tables provided on the Data Adequacy Supplement submitted on 10/6/09 in the Cultural Resource section 5.16.1.3 Archival Research, were incorrectly numbered. To maintain consistency with section 5.16 of the AFC (as not to renumber tables), Table 5.16-1 has been modified to include previous investigation within two miles of the project APE of the linear/transmission line route, Table 5.16-2 has been modified to include previously recorded sites within two miles of the project APE of linear/transmission route (formally numbered 5.16-3 in the Supplemental 10/06/09) (Table 4 of the Technical Report), and Table 5.16-3 has been modified to include previously identified isolates identified within two miles of the linear/transmission line route (formally numbered 5.16-4 in the Supplemental 10/06/09) (Table 5 in the Technical Report).

**Please see revised AFC Section 5.16.1.3 below:**

**5.16.1.3 Archival Research (Tables)**

**Table 5.16-1.** Previous Cultural Resource Investigations and Studies within Portions of, and 1 Mile or More of the APE (includes project site and proposed transmission line)

IC Report Number	Report Title	Survey Type/ Acreage	Author	Date	Dist. From APE
RI-00002	<b>Miscellaneous Field Notes, Riverside County, California.</b> Series of handwritten archaeological field notes of various areas within Riverside County.	Several areas in region.	M.J. Rogers	1953	Within region
RI-00002	<b>Miscellaneous Field Notes, Riverside County, California.</b>	N/A	M.J. Rogers	1953	Within region
RI-00010	<b>A Cultural Resources Assessment of a Proposed Prison Site Near Blythe in Riverside County, California</b>	960 acres	D.F. McCarthy	1986	Adjacent
RI-00011	<b>Letter Report: Addendum to “A Cultural Resources Assessment of a Proposed Prison Site Near Blythe in Riverside County, California”</b>	15.15 acres	P.J. Wilke	1986	0.1
RI-00092	<b>Archaeological and Paleontological Impact Evaluation: American Telephone and Telegraph Company’s Oklahoma City/Los Angeles “A” Cable Route, Between the Colorado River and Corona, California</b>	N/A	T.F. King; G.T. Jefferson; M. Gardner	1973	0.05
RI-0160	<b>Archaeological Resource Survey-West Coast-Mid-Continent Pipeline Project, Long Beach to the Colorado River, Addendum.</b> Surveys resulted in the identification of one prehistoric lithic scatter (CA-RIV-1216, and one with Tizon pottery (CA-RIV-1215), and two prehistoric isolates, located near the dry lake shoreline. Both sites were within the pipeline ROW and were mitigated by proposed collection and testing.	11 miles linear survey, 30-meter survey corridor.	R. Greenwood	1977	Within 2.5 miles
RI-0161	<b>Paleontological, Archaeological, Historical, and Cultural Resources-West Coast-Midwest Pipeline Project, Long Beach to the Colorado River.</b> Literature review of linear pipeline project.	No survey. Literature review for 235 linear miles, 5-mile-wide corridor.	R. Greenwood	1975	Within 3 miles
RI-0190	<b>Archaeological Survey Report for the Proposed Safety Project on Interstate Route 10 Between Chiriaco Summit and Willey’s Well Overcrossing, Riverside County, CA.</b> Report summarizes findings, briefly; 15 prehistoric and isolated sites were recorded.	Intensive Pedestrian Survey, linear survey of over 56 kilometers along I-10.	S.R. Haymond	1981	Within 1 mile

**Table 5.16-1.** Previous Cultural Resource Investigations and Studies within Portions of, and 1 Mile or More of the APE (includes project site and proposed transmission line) (continued)

IC Report Number	Report Title	Survey Type/ Acreage	Author	Date	Dist. From APE
RI-0220	<b>Interim Report—Fieldwork and Data Analysis: Cultural Resource Survey of the Proposed SCE Palo Verde-Devers 500kV Power Transmission Line.</b> Archaeological Research Unit. Linear project that extended from near the Colorado River, west to Palm Springs, California. Cowan and Wallof concluded that archaeological sensitivity was high within 20 miles of the Colorado River, and low within the topographic zones of alluvial fans-detrital slopes. Several new prehistoric sites and four historic sites were recorded as a result of the surveys. Site “D-13”, a southern extension of prehistoric shoreline site CA-RIV-663, consisted of lithics and pottery and is within 2-3 miles of the project area.	Intensive linear pedestrian survey, 322 kilometers, 123-meter corridor, 12-meter transects.	R. Cowan & K. Wallof	1977	Within 1 mile
RI-00221	<b>Cultural Resource Inventory and National Register Assessment of the Southern California Edison Palo Verde to Devers Transmission Line Corridor (California Portion)</b>	6120 acres	Westec Services, Inc.	1982	Adjacent and Intersects
RI-00222	<b>Final Report: Cultural Resource Survey of the Proposed Southern California Edison Palo Verde-Devers 500kv Power Transmission Line</b>	N/A	K. Wallof; R.A. Cowan	1977	Adjacent and Intersects
RI-0982	<b>An Archaeological Survey of Geothermal Drilling Sites in Riverside County. Science Applications, La Jolla, California.</b> No prehistoric sites were identified; two prehistoric isolated finds were recorded. Report only includes survey results.	101 well sites, 30-meter-diameter around each site, intensive pedestrian survey	H.L. Crew, J.E. Fitting	1980	Within 1 mile
RI-1211	<b>A Cultural Resources Overview of the Colorado Desert Planning Units</b>	N/A	R.H. Crabtree et al.	1980	Regional overview
RI-1249	<b>California Desert Program: Archaeological Sample Unit Records for the Big Maria Planning Unit, BLM.</b> No report, series of BLM <i>California Desert Program Archaeological Sample Unit Record</i> field forms. Several sites recorded within region.	Pedestrian intensive survey, sample survey units, sample units 1.6 kilometers linear.	Various BLM Staff	1978	Portions within APE
RI-1279	<b>A Cultural Resource Inventory of the Ford Dry Lake Known Geothermal Resource Area.</b> American Pacific Environmental Consultants, Inc. The survey resulted in the identification of 4 prehistoric sites and 10 isolates were identified. The sites included two temporary camps, a processing locus, and a ceramic locus. Based on the presence of milling artifacts and ceramics three sites were assigned to the late period, one site was assigned a possible Pinto or Amargosan period due to artifact assemblage and maximal Ford Dry Lake shoreline locality.	Sample survey, pedestrian 50-meter transects, ~1,600 acres.	J.R. Cook and D.S. Cardenas (Principal Investigators)	1981	Portions within APE

**Table 5.16-1.** Previous Cultural Resource Investigations and Studies within Portions of, and 1 Mile or More of the APE (includes project site and proposed transmission line) (continued)

IC Report Number	Report Title	Survey Type/ Acreage	Author	Date	Dist. From APE
RI-1280	<b>Draft: Ford Dry Lake Known Geothermal Resource Area Environmental Assessment. BLM.</b> Literature review and proposed areas of cultural sensitivity. The northern and southern Ford Dry Lake shoreline was considered high due to large but not dense archaeological sites and the presence of recessional shoreline (northern region within Project Genesis APE), Ford Dry Lake and south of Interstate-10 was assigned a moderate sensitivity rating due to low occurrence of archaeological sites.	No survey.	P. Elliott	1981	Portions within APE
RI-1341	<b>Archaeological Appraisal of the Palen Dry Lake, Area of Critical Concern Environmental Concern, Riverside County, California.</b> Prehistoric and historic resources (primarily associated with General Patton WW II training areas) were observed. Ritter suggests that prehistoric use of Palen and Ford Dry Lake was based on the utilization of seasonal resources and gathering, base camps were focused around major springs (e.g., McCoy Springs). The temporary camps or activities around the lakes could include gathering and processing of resources (e.g., mesquite, palo verde beans, slat brush, grasses or other hard seeds), hunting of rabbits, tortoise, and sheep, etc., cooking and consumption of such resources, water consumption from ephemeral lakes and ponds, limited production or re-shaping of tools.	Pedestrian and vehicle survey.	E.W. Ritter	1981	Regional overview, northwest of project area
RI-01664	<b>Cultural Resource Inventory of Seisdata Services Chuckwalla Geophysical Test Corridor, Riverside County, California</b>	85.30	Westec Services, Inc.	1982	Intersects
RI-1973	<b>Archaeological Assessment of Six Parcels (Northern, Rocky, Metro, Palen, Ironwood, and Cockrell) Near Palen Dry Lake, Desert Center, California.</b> Cultural resources observed include 5 lithic scatters, a roasting pit site, several prehistoric isolates, and artifacts and features associated with General Paton's WW II Desert Training and Maneuvers area (tank tracks, ration cans, ordinance casings, communication wire).	Pedestrian survey of approximately 5 square miles. 25- to 30-meter transects.	J.M. Mack	1985	Within 12 miles
RI-02210	<b>Preliminary Cultural Resources Survey Report for the US Telecom Fiber Optic Cable Project, From San Timoteo Canyon to Socorro, Texas: The California Segment</b>		J. Underwood; J. Cleland; C.M. Wood; R. Apple	1986	Intersects
RI-02897	<b>Cultural Resource Assessment of 219 Acres of Public Lands Proposed for Exchange to Newport Harbor Development Corp. Letter Report</b>	219	M. Mitchell	1990	Partial overlap

**Table 5.16-1.** Previous Cultural Resource Investigations and Studies within Portions of, and 1 Mile or More of the APE (includes project site and proposed transmission line) (continued)

IC Report Number	Report Title	Survey Type/ Acreage	Author	Date	Dist. From APE
RI-3029	<b>Cultural Resources Assessment Southern California Gas Company Proposed Line 5000, Riverside County, California. LSA Associates, Inc.</b> Survey resulted in identifying 6 previously unrecorded sites, 4 previously recorded sites, and 8 isolates. Two of these sites were recorded as late period shoreline sites (RIV-260 and RIV-660)	Linear pedestrian survey, 54 kilometers, 90-meter corridor, transects at 20 meters.	J. Rosenthal, R. Conrard et al.	1990	Within 2 miles
RI-03227	<b>An Archaeological Assessment of Tracts 19734 and 19735, Lot #8 in the La Sierra Area of the City of Riverside, California</b>	42	C.R. Demcak	1991	Intersects
RI-3674	<b>Prehistoric Land Use at McCoy Springs: An Arid-Land Oasis in Eastern Riverside County, California.</b> Thesis paper. Study area focused on two zones: region and the McCoy District. 85 sites were recorded in the region, 18 of these sites were trails. McCoy Springs District is characterized as a base camp site, with other sites in the region representing limited activity areas. Additional site outside the district include lithic processing and reduction, ceramic scatters, food processing on milling surfaces, and trails. McCarthy suggests that the trails represent travel corridors to and from resources (food, water, and mineral) within the region, many primary trails lead to McCoy Springs, and some trails may predate pottery use. The trails that due exhibit ceramic Buff ware artifacts date to the Patayan I and II period.	Systematic and intuitive intensive pedestrian survey, approximately 300 acres	D. F. McCarthy	1993	Within 9 miles
RI-04082	<b>Wiley Well Road Land Exchange, Cultural Resource Survey</b>	470	B.F. Mooney	1990	0.35
RI-04347	<b>A Phase I Cultural Resources Assessment of General Plan Amendment 500, Change of Zone 6468, +/- 50.0 Acres of Land Near Blythe, Riverside County, California</b>	50	J.A. Keller	1999	Partial overlap
RI-5245	<b>Southern California Edison Company Blythe-Eagle Mountain 161 kV Deteriorated Pole Replacement Project, BLM State Permit CA#-04-23 Field Authorization #CA-690-05-FA04.</b> Pole replacement project for 22 pole locations. Negative report, no new Cultural Resources identified. The boundary of one existing archaeological site (CA-RIV-2791), a large lithic scatter, was expanded.	22 pole locations, Pedestrian survey, 40-meter radius around each pole location, zig-zag transects.	J. Schmidt	2005	Within 2 miles
RI-5828	<b>Project Review and Statistical Summary: Primitive Skills Team-Rehab of Wilderness Area Intrusions, BLM, Palm-Springs South Coast Field Office.</b> No report, summary. No cultural resources identified.	Intensive Class III pedestrian survey, 7 acres, 10-meter transects	W. Raschkow	2001	Within 2 miles

**Table 5.16-1.** Previous Cultural Resource Investigations and Studies within Portions of, and 1 Mile or More of the APE (includes project site and proposed transmission line) (continued)

IC Report Number	Report Title	Survey Type/ Acreage	Author	Date	Dist. From APE
RI-07192	<b>Cultural Resource Assessment: AT&amp;T Wireless Services, Facility No.06003, Riverside County, California</b>	~0.25	C. Duke	2002	Intersects
RI-07315	<b>Cultural Resource Records Search and Site Visit Results for T-Mobile Telecommunications Facility Candidate IE24133A (ATC Colo at Wiley WII Rd.) Wiley Well Road and Interstate 10, Desert Center, Riverside County, California</b>	0.25	W. Bonnery; M. Aislin-Kay	2006	0.03

**Table 5.16-2.** Previously Recorded Cultural Resources within 2 Miles of the Project APE (project facility)

Site Number	Resource Description	Period/Era	Recorder and Date	CRHP/NRHP Eligible	Distance from APE
P-33-1517	Prehistoric Site: Small lithic scatter of jasper and quartz at 120 meters elevation.	Prehistoric unknown	E. Ritter, 1975	UE	Within APE of SOL 2, SOL 2 Relocated
P-33-1483	Historic Military Mound: horseshoe shaped, low earth mound.	Historic c.1940s	S. Crowley, 1978	UE	Within 1 mile
P-33-1132	Historic Hopkins Well Site, constructed in 1910.	Pre-1920 Historic	H. Metcalf, 1982; Cowan, 1976	UE	Within 1 mile
CA-RIV-53T	Prehistoric Trail segment with ceramic distribution along trail.	Prehistoric unknown	McCarthy, 1993	UE	Within 2 miles
P-33-1222	Prehistoric Site: Temporary Camp located near dry lake shore: 7 loci of metates/manos, also few quartz/chalcedony cores/flakes. Site disturbed by ORV.	Late Prehistoric	J. Cook, 1976	UE, PE	Within 2 miles
P-33-1516	Prehistoric Site: Large Temporary Camp along dry lake shoreline: groundstone, lithic scatter, thermal fractured rock, elevation 358 feet. Some WW II military artifacts noted, no details regarding type.	Late Prehistoric	E. Ritter, 1975	RE, PE	Within 2 miles
P-33-2159	Prehistoric Site: Temporary Camp/Lithic Scatter along gravel terraces of dry lake bed: metate/manos fragments, hammerstone/choppers, lithic flakes; rhyolite, basalt, chalcedony, agate, jasper, chert, granite, andesite. 358 feet elevation.	Late Prehistoric	S. Cardenas, 1981	UE, PE	Within 2 miles

**Table 5.16-2.** Previously Recorded Cultural Resources within 2 Miles of the Project APE (project facility)

Site Number	Resource Description	Period/Era	Recorder and Date	CRHP/NRHP Eligible	Distance from APE
P-33-1216	Prehistoric Site: Widely dispersed lithic scatter along maximal shoreline upon the gravel terrace: 7 flakes of chert/jasper, 1 hammerstone/core, and elevation 370 feet. Potential Pinto/Amargosan period site.	Prehistoric unknown	D. McCarthy, 1977	UE	Within 2 miles
P-33-8655 (CA-RIV-6170)	Prehistoric Site: Lithic Scatter along dry lake bed: lithic flakes of quartzite, agate, chalcedony, chert, jasper, 1 chert rose spring project point, 1 point and drill fragment.	Late Prehistoric	M. Mitchell, 1998	UE	Within 2 miles
P-33-663	Prehistoric Site: An extensive series of shoreline temporary camps: metate/mano fragments of green shale, fire affected rock, lithic reduction flakes (jasper, quartzite, rhyolite, chert, and chalcedony), pottery (Parker buff ware and Tizon brown ware, and greyware), rock alignment, 1 corner notched projectile point fragment, 1 biface fragment.	Late Prehistoric	D. Palette et al., 1989	UE	Within 2 miles
P-33-2206	Prehistoric Site: Sparse Lithic Scatter: 6 flakes (chalcedony, quartz, opal), 1 quartzite cobble core, 393 feet elevation.	Prehistoric unknown	S. Hammond, 1981	UE	Within 2 miles
P-33-2157	Prehistoric Site: Temporary Camp near dry lake shore: ceramic (buff/brown ware), ground stone fragments (metates/manos), lithic flakes (quartz/green andesitic melavolcanic). 355 feet elevation.	Late Prehistoric	S. Cardenas, 1981	UE, PE	Within 2 miles
P-33-1543	Prehistoric Site: Lithic Scatter (temporary camp): 3 metate fragments-2 flakes, 360 feet elevation.	Late prehistoric	M. Morim, 1976	UE	Within 2 miles
P-33-3802	Prehistoric Site: Temporary Camp near dry lake shore: 1 metate fragment, 2 chalcedony flakes, 1 quartzite hammerstone, fractured cobbles, and possible green shale hearth feature. 110 feet elevation.	Late Prehistoric	D. Pallette et al., 1989	UE	Within 2 miles
P-33-1131	Prehistoric Site: Widely dispersed low density ceramic drop: 50 reddish brown "Tizon" pottery shreds, 1 mano/core fragment.	Late Prehistoric	E. Dittman, 1981	UE	Within 2 miles
P-33-000144	No details on site record. Note: F.R. Johnston on map in Walker's possession.		Eberhart, 1951	UE	Within 2 miles
P-33-3129	Trail segment that leads to the southwestern side of the McCoy Mountains.	Unknown	F. McCarthy, 1991	UE	Within 2 miles

\* UE=unevaluated, PE=potentially eligible, RE=recommended eligible.

**Table 5.16-2 (con't).** Previously Recorded Sites within 1 mile of the Linear Corridor/Transmission Line APE

Site Number	Resource Description	Period/Era	Recorder and date	CRHP/ NRHP Eligible	Distance from APE
P-33-000144	No details on site record. Note: F.R. Johnston on map in Walker's possession.	Unknown	Eberhart 1951	UE	Within 1 mile
P33-00259	Rock Rings	Unknown	N. Gester 1965	UE	Within 1 mile
P33-00260	Prehistoric Site: Lithic Scatter (temporary camp): metate fragments, flakes, 360 feet elevation.	Late Prehistoric/unknown	R. Rameriz 2008 (update)	UE	Within 0.25 mile
P33-00663	Prehistoric Site: Widely dispersed lithics, groundstone, pottery, 360 feet elevation.	Late Prehistoric/unknown	D. Palette 1989	UE	Within 0.25 mile
P33-001543	Prehistoric (3 metates, lithic flakes)	Late Prehistoric/unknown	M. Morim 1976	UE	Within 1 mile
P33-001818	Prehistoric Potter fragments	Late Prehistoric/unknown	R. Carrico 1980	UE	Within 0.25 mile
P33-001840	Prehistoric lithic scatter.	Unknown	Musser/Boyer 1976	UE	Within 1 mile
P33-2159	Prehistoric Site: Temporary Camp/Lithic Scatter along gravel terraces of dry lake bed: metate/manos fragments, hammerstone/choppers, lithic flakes; rhyolite, basalt, chalcedony, agate, jasper, chert, granite, andesite. 358 feet elevation.	Late Prehistoric/unknown	Cardenas	UE	Within 1 mile
P33-3801	Prehistoric site: pottery scatter	Late Prehistoric/unknown	Palette 1989	UE	Within 1 mile
P33-003802	Prehistoric Site: lithic scatter and lithic tools, and groundstone	Late Prehistoric/unknown	Palette 1989	UE	Within 1 mile
P33-003808	Prehistoric Site: ceramic scatter.	Late Prehistoric/unknown	Mooney & Associates 1990	UE	Within 1 mile
P33-003809	Prehistoric Site: ceramic scatter.	Late Prehistoric/unknown	Mooney & Associates 1990	UE	Within 1 mile
CA-RIV- 6900	Prehistoric Site: lithic scatter and lithic tools, and groundstone	Unknown	BLM 1977	UE	Within 1 mile
P33-13597	Historic Refuse Scatter	Unknown	Mooney & Associates 2004	UE	Within 1 mile

**Table 5.16-2 (con't).** Previously Recorded Sites within 1 mile of the Linear Corridor/Transmission Line APE

Site Number	Resource Description	Period/Era	Recorder and date	CRHP/ NRHP Eligible	Distance from APE
P33-13598	Historic Refuse Scatter: WW II	1942 post	Mooney & Associates 2004	UE	Within 1 mile
P33-13655	Historic Refuse Scatter/features: Possible WW II foxholes	1942 post	Mooney & Associates 2004	UE	Within 1 mile
P33-14146	Historic Refuse Scatter	unknown	Mooney & Associates 2005	UE	Within 1 mile
P33-14170	Historic Refuse Scatter	unknown	Mooney & Associates 2005	UE	Within 1 mile
P33-14171	Two Track Road	unknown	Mooney & Associates 2005	UE	Within 1 mile
P33-17326	Historic Refuse Scatter	unknown	ICF Jones & Stokes 2008	UE	Within 1 mile

Please see Revised Table 5.16-3 below.

**Table 5.16-3.** Previously Recorded Cultural Resources—Isolated Finds (within 1-2 miles of the project facility and linear corridor/transmission line APE)

<b>Site Number</b>	<b>Resource Description</b>	<b>Recorder and Date</b>	<b>CRHP/NRHP Eligible</b>	<b>Distance from APE</b>
P-33-1265	Isolate: prehistoric chert flake	N/A	Not eligible	Within 1 mile
P-33-1266	Isolate: prehistoric ceramic fragment	N/A	Not eligible	Within 1 mile
P-33-8578	Isolate: prehistoric ceramic fragment	N/A	Not eligible	Within 1 mile
P-33-9037	Isolate: prehistoric lithic scraper	N/A	Not eligible	Within 1 mile
P-33-9038	Isolate: prehistoric biface fragment	N/A	Not eligible	Within 1 mile
P-33-12820	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-12925	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-12926	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-12928	Isolate: lithic flake (collected )	N/A	Not eligible	Within 1 mile
P-33-12929	Isolate: prehistoric ceramic fragment (collected)	N/A	Not eligible	Within 1 mile
P-33-13087	Isolate: prehistoric lithic core	N/A	Not eligible	Within 1 mile
P-33-13088	Isolate: prehistoric lithic and ceramic fragment	N/A	Not eligible	Within 1 mile
P-33-13089	Isolate: prehistoric lithic core	N/A	Not eligible	Within 1 mile
P-33-13090	Isolate: prehistoric lithic core	N/A	Not eligible	Within 1 mile
P-33-13091	Isolate: prehistoric lithic core	N/A	Not eligible	Within 1 mile
P-33-13467	Isolate: prehistoric flake	N/A	Not eligible	Within 1 mile
P-33-13470	Isolate: prehistoric biface	N/A	Not eligible	Within 1 mile
P-33-13471	Isolate: prehistoric flake	N/A	Not eligible	Within 1 mile
P-33-13473	Isolate: prehistoric lithic core	N/A	Not eligible	Within 1 mile
P-33-13513	Isolate: prehistoric	N/A	Not eligible	Within 1 mile
P-33-13517	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-13518	Isolate: lithic shatter	N/A	Not eligible	Within 1 mile
P-33-13519	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-13520	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-13521	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-13522	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-13523	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-13524	Isolate: lithic core	N/A	Not eligible	Within 1 mile
P-33-13525	Isolate: prehistoric ceramic fragment	N/A	Not eligible	Within 1 mile
P-33-13599	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-14172	Isolate: glass bottle fragment	N/A	Not eligible	Within 1 mile

**Table 5.16-3.** Previously Recorded Cultural Resources—Isolated Finds (within 1-2 miles of the project facility and linear corridor/transmission line APE) (continued)

Site Number	Resource Description	Recorder and Date	CRHP/NRHP Eligible	Distance from APE
P-33-17476	Isolate: lithic flake	N/A	Not eligible	Within 1 mile
P-33-13657	Isolate: prehistoric core	N/A	Not eligible	Within 1 mile
P-33-12926	Isolate: prehistoric flake	N/A	Not eligible	Within 2 miles
P-33-12931	Isolate: prehistoric groundstone	N/A	Not eligible	Within 2 miles
P-33-12932	Isolate: prehistoric flake	N/A	Not eligible	Within 2 miles

**Comment:**

The staff requested correction to AFC page 5.16-15 were only partially done, or were done incorrectly in the Supplement. Staff believes this is how the last paragraph should read:

The literature and record search revealed 30 previously recorded cultural resources investigations within one to approximately three miles of the Project APE (solar facility and linear corridors)(Table 5.16-1). ~~Eighteen~~ Seventeen previously recorded archaeological sites were identified within one to approximately three miles of the APE (solar facility and linear corridors); (Table 5.16-2). Table 5.16-3 lists ~~isolated finds~~ within 1 mile of the project APE (including the proposed transmission line). None of these resources is located within the Project APE. ~~Table 4~~ Table 5.16-4 list ~~previously recorded cultural resources~~ isolated finds within 1 mile of the proposed transmission line.

**Response:**

Please see revised AFC Section 5.16.1.3 Archival Research (page 5.16-15, last paragraph) below:

The literature and record search revealed 30 previously recorded cultural resources investigations within one to approximately three miles of the Project APE (solar facility and linear corridors)(Table 5.16-1). Table 5-16-2 provides the seventeen previously recorded archaeological sites that were identified within one to approximately three miles of the APE (solar facility and linear corridors/transmission line); (Table 5.16-2). Table 5.16-3 lists isolated finds within 1 mile of the project APE (including the proposed linear corridor/transmission line ). None of these resources is located within the Project APE.

**Comment:**

The Supplemental [10/06/09] provides no new version of AFC p. 5-16-23. In both the AFC and Technical Report, staff still needs a final and definitive site count for:

- Previously known sites
- Sites newly identified during Class II survey

- Isolates newly identified during Class II survey
- Sites newly identified during Class III survey
- Isolates newly identified during Class III survey

These tabular listings should include era, site type, and site description for each site, as exemplified by the Technical Report’s Table 7 and 8. The text discussion should reflect the counts in the tables.

No previously known sites are within the ROW.

**Response:**

Please see revised AFC Section 5.16.1.3 Archival Research (page 5.16-23) below:

**Archaeological Sites Recorded in the class II Survey**

A total of fifty-three archaeological sites were discovered in the course of the Class II inventory, forty-six of these sites are prehistoric, 5 are historic sites (exclusively refuse deposits), and two dual-component (having both prehistoric and historic elements) sites.

Most of the sites recorded in the Class II survey fell outside of the final APE, 5 archaeological sites were identified within the final APE and we have presented them in tables sorted by their position relative to the APE.

**Summary of Archaeological Sites identified during the Class II Survey and Outside of the final APE**

Site	Era	Site Type	Area (acres)	Description
CA-RIV-9032	Prehistoric	Lithic Scatter	1	Debitage (n=14); two cores.
CA-RIV-9033	Prehistoric	Lithic Scatter	NE	Debitage (n=39); two cores.
CA-RIV-9034	Prehistoric	Temporary Camp	0.3	Debitage (n=55); mano fragment.
CA-RIV-9035	Historic	Refuse Scatter	0.1	Cans, bottle glass, misc.
A-RIV-9036	Prehistoric	Temporary Camp	0.1	Debitage (n=3), mano, FAR.
CA-RIV-9037	Prehistoric	Temporary Camp	1	Debitage (n=17), groundstone, ceramics, FAR.
CA-RIV-9038	Prehistoric	Temporary Camp	0.3	Debitage (n=7), FAR.
CA-RIV-9039	Prehistoric	Temporary Camp	0.3	Debitage (n=3), and mano fragment.

Site	Era	Site Type	Area (acres)	Description
CA-RIV-9040	Prehistoric	Lithic Scatter	2	Debitage (n=22), and flake tool.
CA-RIV-9041	Prehistoric	Lithic Scatter	0.6	Debitage (n=11), and core.
CA-RIV-9042	Prehistoric	Lithic Scatter	NE	Debitage (n=2), core.
CA-RIV-9043	Prehistoric	Temporary Camp	1.5	Debitage (n=7), a lithic core, and groundstone implements. Speculative chronology.
CA-RIV-9044	Prehistoric	Temporary Camp	5.2	Debitage (n=20+), and mano.
CA-RIV-9045	Prehistoric	Lithic Scatter	0.2	Debitage (n=4), and cores.
CA-RIV-9046	Prehistoric	Lithic Scatter	NE	Debitage (n=16); FAR, core, hammerstone, mano, metate fragment.
CA-RIV-9049	Prehistoric	Temporary Camp	0.8	Debitage (n=2), core, and groundstone fragments.
CA-RIV-9050	Prehistoric	Lithic Scatter	.08	Debitage (n=3).
CA-RIV-9052	Prehistoric	Temporary Camp	0.2	Debitage (n=2), core, and groundstone].
CA-RIV-9053	Prehistoric	Lithic Scatter	0.2	Debitage (n=3), and cores.
CA-RIV-9054	Prehistoric	Lithic Scatter	0.4	Debitage (n=5).
CA-RIV-9055	Prehistoric	Temporary Camp	0.3	Debitage, groundstone, and ceramic fragments.
CA-RIV-9056	Prehistoric	Lithic Scatter	0.2	Debitage (n=3), biface, and hammerstone.
CA-RIV-9057	Prehistoric	Temporary Camp	0.6	Debitage (n=6), core, and metate fragment.
CA-RIV-9058	Both	Temporary Camp/ Refuse Scatter	4.4	Debitage, groundstone, and ceramic fragments. Historic cans and bottles.
CA-RIV-9059	Historic	Refuse Scatter	0.5	Can scatter. Prehistoric FDLA-Iso-10 recorded within site boundaries.
CA-RIV-9060	Prehistoric	Temporary Camp	0.3	Debitage (n=4), metate and ceramic fragments.
CA-RIV-9061	Prehistoric	Lithic Scatter	0.4	Debitage (n=6).

Site	Era	Site Type	Area (acres)	Description
CA-RIV-9062	Prehistoric	Temporary Camp	0.9	Debitage (n=16) and mano fragments.
CA-RIV-9063	Historic	Refuse Scatter	0.7	Cans, spoon (military), pliers.
CA-RIV-9064	Prehistoric	Temporary Camp	35	Debitage (n=120+), projectile points, bifaces, and groundstone implements. Speculative chronology. Possibly Archaic period.
CA-RIV-9065	Prehistoric	Temporary Camp	0.3	20+ FAR, 2 metate fragments, and 2 chert flakes.
CA-RIV-9066	Prehistoric	Lithic Scatter	0.6	Debitage (n=8).
CA-RIV-9067	Prehistoric	Lithic Scatter	6.4	Debitage (n=20+), projectile point, biface, flake tool.
CA-RIV-9068	Prehistoric	Temporary Camp	4.3	Debitage (n=50+), groundstone, and a flake tool.
CA-RIV-9069	Prehistoric	Lithic Scatter	0.4	Debitage (n=10+).
CA-RIV-9070	Prehistoric	Lithic Scatter	NE	Debitage (n=2), core.
CA-RIV-9071	Prehistoric	Temporary Camp	78+	Debitage (n=235+), with associated bifaces, tools and cores), indications of food production (milling stones, possible FAR), and evidence of ceramic technology. Late Prehistoric Period.
CA-RIV-9073	Prehistoric	Lithic scatter	.02	Three flakes and one tool.
CA-RIV-9074	Historic	Refuse Scatter	9.8	WW II era cans/bottles.
CA-RIV-9075	Prehistoric	Temporary Camp	2.7	Debitage (n=5), a flake tool, and metate.
CA-RIV-9076	Prehistoric	Temporary Camp	0.5	Debitage (n=5).
CA-RIV-9077	Historic	Refuse Scatter	1	Cans/bottle (1940s).
CA-RIV-9078	Prehistoric	Temporary Camp	52+	Lithic scatter, groundstone, projectile points, bifaces, FAR. Site limits incompletely defined; extends east west and south beyond established boundary.
CA-RIV-9079	Prehistoric	Temporary Camp	6.5+	Site limits incompletely defined. Debitage (n=500); groundstone, flake, core tools, and a marine clam shell fragment.

Site	Era	Site Type	Area (acres)	Description
CA-RIV-9080	Prehistoric	Lithic Scatter	.05	Debitage (n=4).
CA-RIV-9081	Prehistoric	Lithic Scatter	0.6	Debitage (n=7).
CA-RIV-9082	Both	Lithic Scatter/ Refuse Deposit	0.9	Debitage (n=7).
CA-RIV-9083	Prehistoric	Lithic Scatter	1	Debitage (n=6+).

Sites shown in the Table below were recorded in the Class II survey and fell within the final project APE.

**Summary of Archaeological Sites identified during the Class II Survey and are within the final APE**

Site	Era	Site Type	NRHP Recommendation	Description
CA-RIV-9047	Prehistoric	Lithic Scatter	NE	Debitage (n=5)
CA-RIV-9048	Prehistoric	Lithic Scatter	NE	Debitage (n=10).
CA-RIV-9051	Prehistoric	Lithic Scatter	NE	Debitage (n=4), core.
CA-RIV-9072	Prehistoric	Lithic and Ceramic Scatter	PE	Debitage (n=hundreds), FAR, Rose Spring projectile point, brownware sherds (n=hundreds) hundreds of ground stone fragments, scatter covers several hundred acres.
CA-RIV-9084	Prehistoric	Temporary Camp	NE	Debitage (n=21), groundstone, and a olivella shell bead.

NE = Not Eligible, PE=Potentially Eligible

**Archaeological Sites Recorded in the Class III Survey for the Facility**

The Class III investigation in 2009 was an intensive survey of 100% of the 3,014 acre ROW (minus 520 acres for the Class II previously surveyed sample blocks). The 2009 Class III survey of 2,494 acres resulted in the identification of 21 archaeological sites. Of the 21 sites identified, five are historic, 15 are prehistoric, and one is a dual component (historic/prehistoric) site. Information on them is summarized in the table below.

## Sites Recorded in Class III Survey of the facility

Site	Era	Site Type	NRHP Recommendation	Description
CA-RIV-9203H	Historic	Refuse Scatter	NE	Pull-tab aluminum cans, food cans, bottle (1954 – pres)
CA-RIV-9204H	Historic	Refuse Scatter	NE	Can scatter, bottles (1932-1953)
CA-RIV-9205/H	Prehistoric/His toric	Refuse Scatter / Lithic Scatter	NE	Debitage (n=4); mano, 2 metate fragments. Glass bottles (post 1945), auto parts (1930-1940), condensed milk cans
CA-RIV-9206	Prehistoric	Lithic Scatter	NE	Debitage (n=4), mano
CA-RIV-9207	Prehistoric	Lithic Scatter	NE	Debitage (n=5), core.
CA-RIV-9208	Prehistoric	Lithic Scatter	NE	Debitage (n=7), core
CA-RIV-9209	Prehistoric	Lithic Scatter	NE	Debitage (n=7), 4 groundstone fragments. core.
CA-RIV-9210	Prehistoric	Lithic Scatter	NE	Debitage (n=10), core, metate fragments.
CA-RIV-9211H	Historic	Refuse Scatter	NE	Cans, bottle glass, 1934 penny
CA-RIV-9212	Prehistoric	Lithic Scatter	NE	Debitage (n=3), side-notched projectile point.
CA-RIV-9213H	Historic	Refuse Scatter	NE	Approximately 60 cans.
CA-RIV-9214H	Historic	Refuse Scatter	NE	Approximately 10 cans.
CA-RIV-9215	Prehistoric	Lithic Scatter	NE	Debitage (n=10), concave-base projectile point.
CA-RIV-9216	Prehistoric	Lithic Scatter	NE	Debitage (n=45), hammerstone, core, 2 manos.
CA-RIV-9217	Prehistoric	Lithic Scatter	NE	Debitage (n=3),
CA-RIV-9218	Prehistoric	Lithic Scatter	NE	Debitage (n=2), scraper
CA-RIV-9219	Prehistoric	Lithic Scatter	NE	Debitage (n=3)
CA-RIV-9220	Prehistoric	Lithic Scatter	NE	Debitage (n=92), metate fragment, projectile point tip, Cottonwood projectile point

Site	Era	Site Type	NRHP Recommendation	Description
CA-RIV-9221	Prehistoric	Lithic Scatter	NE	Debitage (n=7).
CA-RIV-9222	Prehistoric	Lithic Scatter	NE	Debitage (n=3).
CA-RIV-9223	Prehistoric	Lithic Scatter	NE	Debitage (n=16).

NE = Not Eligible, PE=Potentially Eligible

### **Archaeological Sites Recorded in the transmission line Class III Survey**

A total of seven archaeological sites were recorded in the course of the Class III transmission line survey in June 2009. Of these, three were historic, three were prehistoric and one was a dual component site.

### **Sites Recorded in Transmission Line Survey**

Site	Era	Site Type	NRHP Recommendation	Description
CA-RIV-9224/H	Prehistoric/Historic	Lithic and ceramic Scatter/Refuse Scatter	PE	Debitage (n=80+); FAR, brownware sherds (n=28+), Desert Side-notched projectile point, projectile point tip 2 metate fragments, core /.45 caliber bullets, mess-kit spoon stamped "US", C-ration coffee can, pocket knife
CA-RIV-9225H	Historic	Refuse Scatter	NE	7 cans, mess-kit fork
CA-RIV-9226	Prehistoric	Lithic and ceramic Scatter	NE	Debitage (n=10); FAR, metate fragment. brownware sherds (n=3), 2 cobble choppers, badly deflated
CA-RIV-9227	Prehistoric	Lithic and ceramic Scatter	NE	Debitage (n=3); brownware sherds (n=14), marine shell fragment
CA-RIV-9228H	Historic	Refuse Scatter	NE	10 cans, bottle base (1938-1951), bottle base (1916-1931), razor blade, glass fragments
CA-RIV-9229	Prehistoric	Lithic Scatter	NE	Debitage (n=6); mano, metate fragment. cobble choppers

<b>Site</b>	<b>Era</b>	<b>Site Type</b>	<b>NRHP Recommendation</b>	<b>Description</b>
CA-RIV-9230H	Historic	Refuse Scatter	NE	30+ C-ration cans, 13 other cans, alignment of 5 metal stakes

NE = Not Eligible, PE=Potentially Eligible