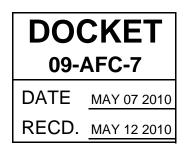


AECOM 1420 Kettner Boulevard Suite 500 San Diego, CA 92101 www.aecom.com 619.233.1454 tel 619.233.0952 fax



May 7, 2010

Ms. Susan Sanders California Energy Commission 1516 Ninth Street Sacramento, California 95814

Dear Ms. Sanders:

Subject: Palen Solar Power Project (09-AFC-7) – Preliminary Spring 2010 Survey Results for Desert Tortoise, Rare Plants and Jurisdictional Waters

On behalf of Palen Solar I, LLC, AECOM is submitting preliminary results of biological surveys conducted for desert tortoise (*Gopherus agassizii*; DT), rare plants, and jurisdictional waters for the Palen Solar Power Project. This information was requested at the Palen and Blythe Staff Workshops conducted on April 28 and 29, 2010.

The preliminary results are presented in the tables and figures attached. Table 1 presents a summary of the observations of DT sign and DT occurrences noted during spring 2010 surveys. Table 2 presents the rare plant population counts observed during spring 2010 surveys. Results from the fall and spring 2009 surveys are not included in DT and rare plant tables or the figures attached. However, the Jurisdictional Waters map does include results from the 2009 surveys and a table presenting the results of both survey years is provided in the figure. Please note that the totals provided in the tables herein are simply the results of our observations. These tables do not represent total impacts nor is this an impact analysis. Comprehensive technical reports and impact analyses are currently being prepared and will be submitted to the CEC in early June.

Please let us know if you have any questions.

Sincerely,

miliau

Bill Graham Vice President

- Attachments: Table 1. Palen Solar Power Project Desert Tortoise Observations Spring 2010 Table 2. Palen Solar Power Project Rare Plant Populations Counts Spring 2010 Figure. Preliminary Results Desert Tortoise Spring 2010 Surveys Figure. Preliminary Results Botany Rare Plants Spring 2010 Surveys Figure. Preliminary Results State Waters Spring 2010 Surveys CD. Raw Data Files
- cc: Alice Harron, Solar Millennium Elizabeth Ingram, Solar Millennium Scott Galati, Solar Millennium Counsel Mark Luttrell, AECOM

Table 1. Palen Solar Power Project Desert Tortoise Observations Spring 2010

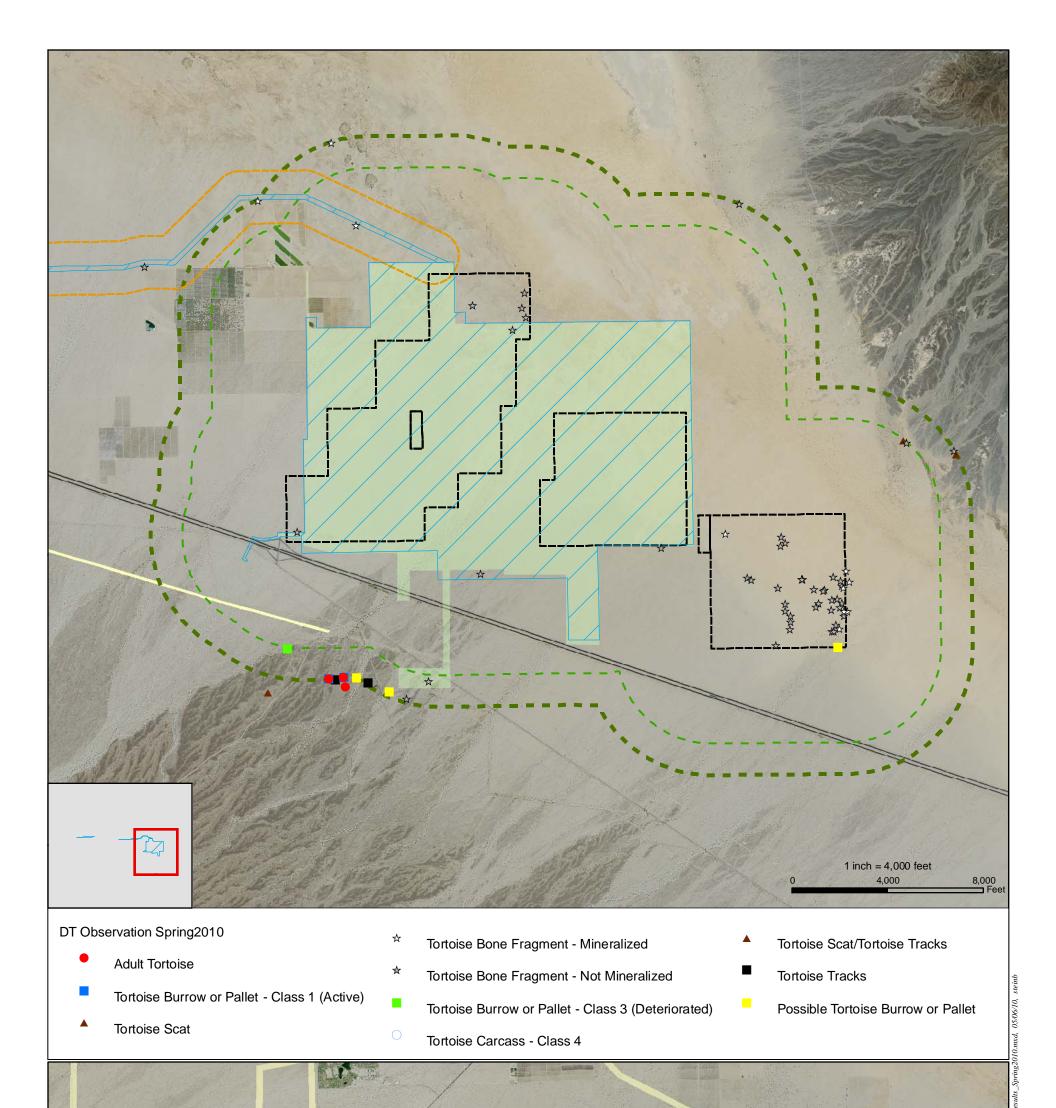
Description	Proposed Project Study Area	Reconfigured Alternative Project Study Area	Proposed Project/Reconfigured Alternative Study Area ¹	Buffer	Incidental Observations Outside Buffer Area	Grand Total
Adult Tortoise	1			4	2	7
Active Tortoise Burrow or Pallet - Class 1				4		4
Tortoise Burrow or Pallet - Class 3 (deteriorated, definitely tortoise)				2		2
Possible Tortoise Burrow or Pallet (Class 4 or 5)		1		3	1	5
Tortoise Scat	4			11	3	18
Tortoise Bone Fragment - Mineralized		5		5	1	11
Tortoise Bone Fragment - Not Mineralized	2	37	1	6	1	47
Tortoise Carcass (shell bone falling apart; growth rings on scutes are peeling)				1		1
Tortoise Tracks				3		3

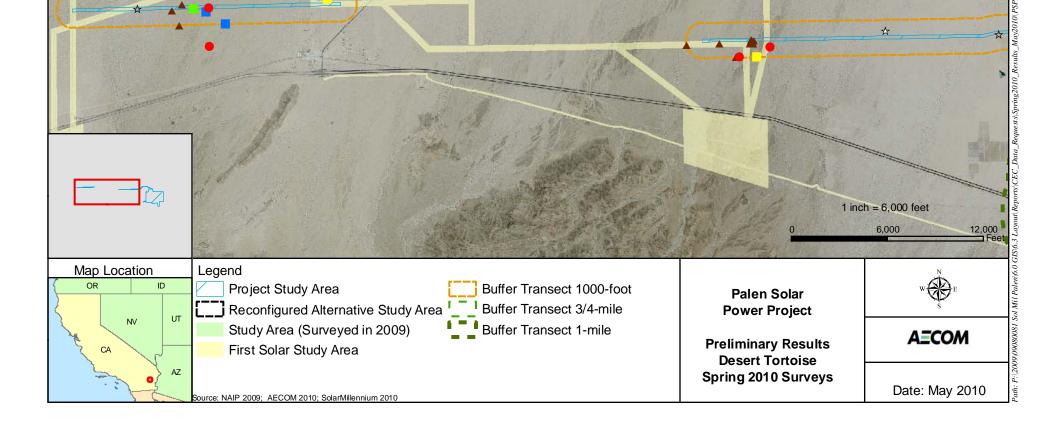
¹This encompasses the areas where the Proposed Project Study Area and Reconfigured Alternative Study Area overlap.

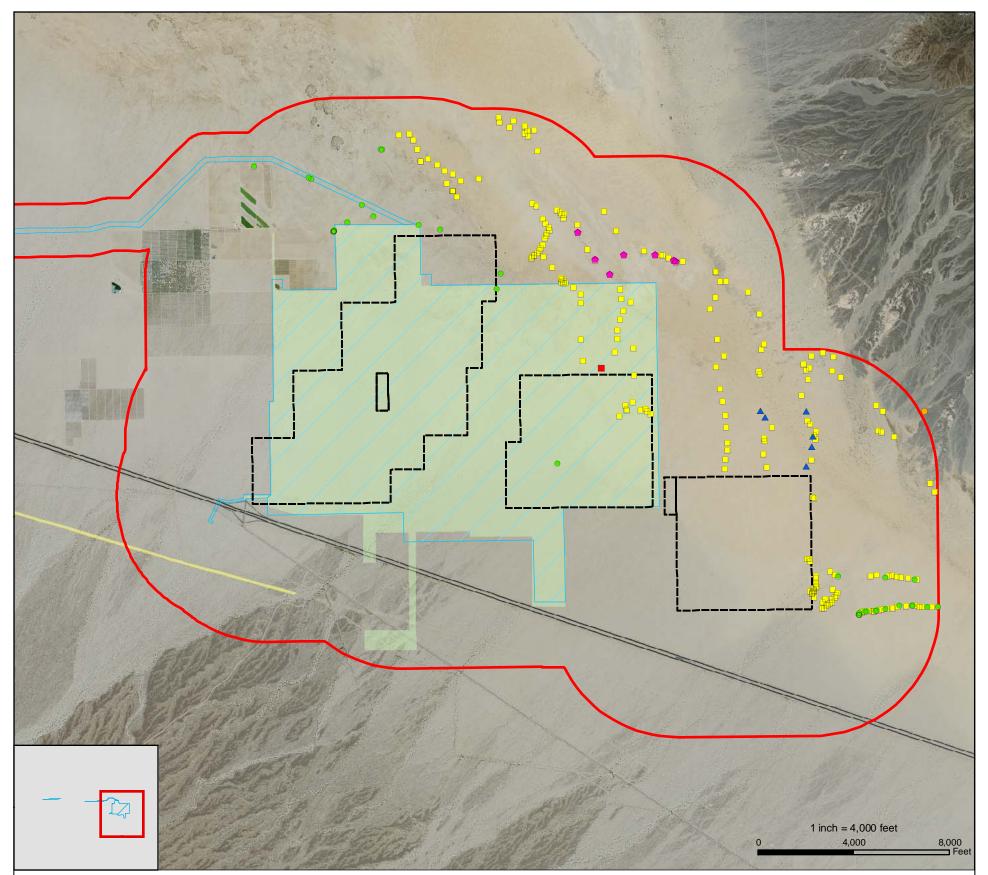
Table 2. Palen Solar Power Project Rare Plant Population Counts Spring 2010¹

Species	Proposed Project Study Area	Reconfigured Alternative Project Study Area	Propose Project/Reconfigured Alternative Study Area ²	Buffer	Incidental Observations Outside Buffer Area	Grand Total
Atriplex canescens				920		920
Cottontop cactus	1					1
Harwood's milkvetch	4		1	172		177
Harwood's wollystar				13		13
Ribbed cryptantha	6,750	337	30	68,859		75,976
Utah milkvine					11	11

¹ Note that each point on the figure may represent multiple individuals ²This encompasses the areas where the Proposed Project Study Area and Reconfigured Alternative Study Area overlap.





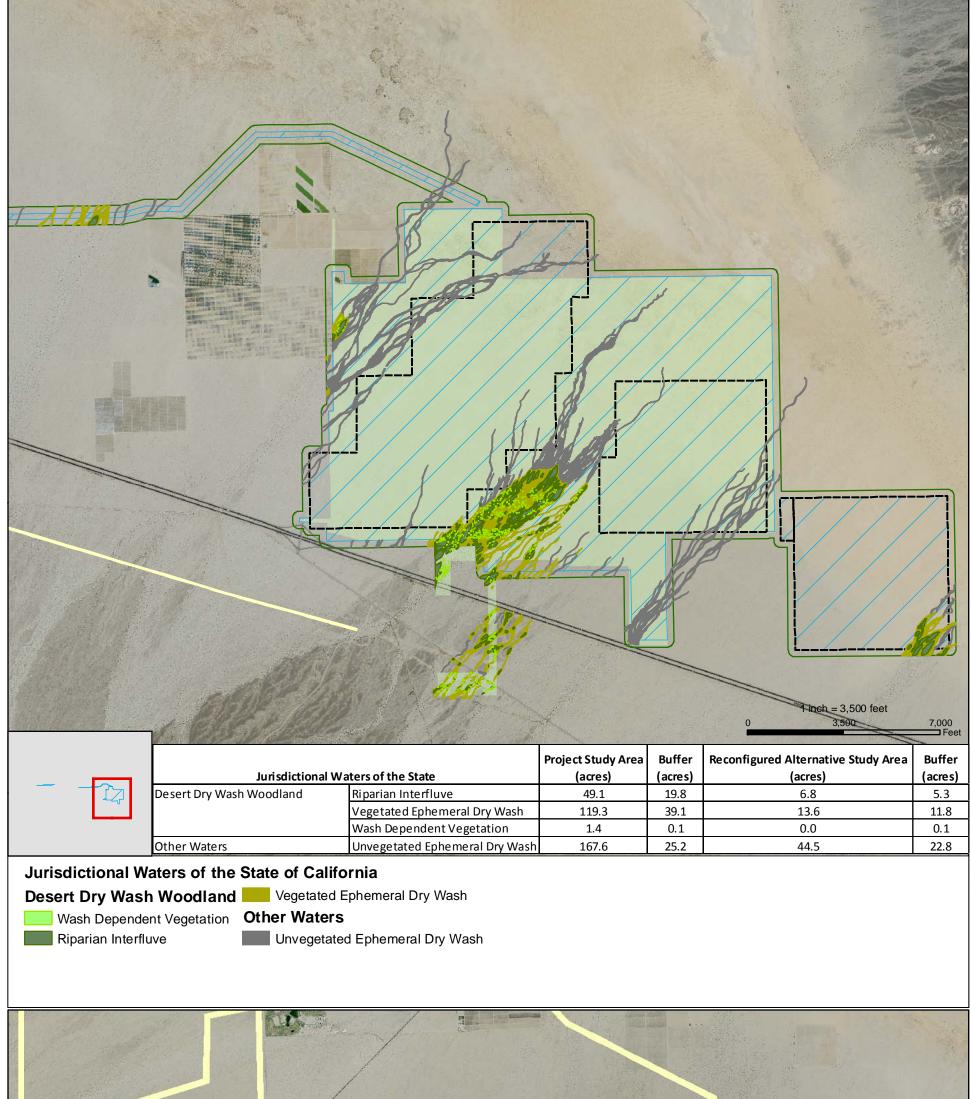


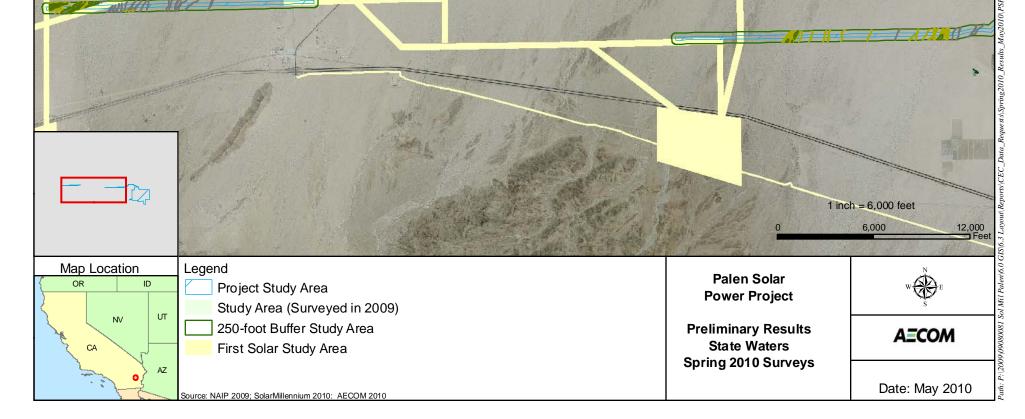
Rare Plant Observations

- Utah milkvine
 - vine Atriple
- cottontop cactusHarwood's wollystar
- Atriplex canescens
- Harwood's milkvetch
- Harwood's wollystar <a> ribbed cryptantha

			h = 6,000 feet 6,000 12,000 Feet
Map Location	Legend Project Study Area Reconfigured Alternative Study Area	Palen Solar Power Project	Z
	BRSA Study Area (Surveyed in 2009)	Preliminary Results Botany Rare Plants	AECOM
AZ	First Solar Study Area	Spring 2010 Surveys	Date: May 2010

P.T.







BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION OF THE STATE OF CALIFORNIA 1516 NINTH STREET, SACRAMENTO, CA 95814 1-800-822-6228 – WWW.ENERGY.CA.GOV

APPLICATION FOR CERTIFICATION FOR THE PALEN SOLAR POWER PLANT PROJECT

Docket No. 09-AFC-7

PROOF OF SERVICE (Revised 4/19/10)

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DECLARATION OF SERVICE

I, Carl Lindner, declare that on May 11, 2010, I mailed hard copies of the attached Preliminary Spring 2010 Survey Results for Desert Tortoise, Rare Plants &. Jurisdictional Waters. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: [http://www.energy.ca.gov/sitingcases/solar millennium palen]

The documents have been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

(Check all that Apply)

FOR SERVICE TO ALL OTHER PARTIES:

X sent electronically to all email addresses on the Proof of Service list;

____ by personal delivery;

by delivering on this date, for mailing with the United States Postal Service with first-class postage thereon fully prepaid, to the name and address of the person served, for mailing that same day in the ordinary course of business; that the envelope was sealed and placed for collection and mailing on that date to those addresses **NOT** marked "email preferred."

AND

FOR FILING WITH THE ENERGY COMMISSION:

X sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (*preferred method*);

OR

_ depositing in the mail an original and 12 paper copies, as follows:

CALIFORNIA ENERGY COMMISSION Attn: Docket No. <u>09-AFC-7</u> 1516 Ninth Street, MS-4 Sacramento, CA 95814-5512

docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct, that I am employed in the county where this mailing occurred, and that I am over the age of 18 years and not a party to the proceeding.

In A Hond