

## DOCKETED

<b>Docket Number:</b>	09-AFC-07C
<b>Project Title:</b>	Palen Solar Power Project - Compliance
<b>TN #:</b>	202527
<b>Document Title:</b>	Ex.1158 - Pre-construction Field Survey Efforts Conducted at the PSEGS Project
<b>Description:</b>	N/A
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<b>Submitter Role:</b>	Applicant Representative
<b>Submission Date:</b>	6/23/2014 4:38:47 PM
<b>Docketed Date:</b>	6/23/2014

**Exhibit 1158. Pre-construction field survey efforts conducted at the PSEGS Project.**

<b>Study</b>	<b>Taxa</b>	<b>Survey Dates</b>	<b>Survey Effort</b>
<b>Bird Use Count Surveys</b>			
	Large birds including Raptors, Vultures		8 hrs/survey
BBI 2013a		April 8– May 4, 2013	6 stations; 762 hrs
BBI 2013b		May 5 – June 1, 2013	6 stations; 192 hrs
Levenstein et al. 2014		August 20 – December 13, 2013	6 stations; 3,234 hrs
WEST, Inc.		March 24 – June 13, 2014 (ongoing)	2 stations
<b>Small Bird Count Surveys</b>			
	Small birds		10 min/survey
EDAW and BBI 2009		April 12 – May 8 2009	48 stations; 1,920 min
BBI 2013a		April 8 – May 4, 2013	120 stations; 4,790 min
BBI 2013b		May 5 – June 29, 2013	186 stations; 12,960 min
Levenstein et al. 2014		August 19 – November 14, 2013	150 stations; 19,390 min
WEST, Inc.		March 24 – June 13, 2014 (ongoing)	77 stations
<b>Mist Net Surveys</b>			
	Small birds		12, 12x2.6m nets/survey
BBI 2013a		April 11 – May 4, 2013	502.7 mist net hours
BBI 2013b		May 9 – June 14, 2013	1,322.4 mist net hours
Levenstein et al. 2014		September 18 – October 30, 2013	1,080 mist net hours
<b>Gila Woodpecker Surveys</b>			
	Gila woodpecker		Concurrent with SBCs
BBI 2013b		April 8 – May 4, 2013	120 stations; 4,790 min
		May 5 – June 29, 2013	186 stations; 12,960 min
<b>Elf Owl Surveys</b>			
	Elf owl		
BBI 2013b		May 18 – June 15, 2013	143 callback stations 63 listening stations 10 – 14 min/station
<b>Habitat Evaluation for Elf Owl and Gila Woodpecker</b>			
	Gila woodpecker and elf owl		
BBI 2013b		July 2 – July 19, 2013	29, 50-meter radius Habitat Suitability stations
<b>Golden Eagle Nest Surveys</b>			

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BBI 2013c	Golden eagles	March 20 – April 15, 2013; May 24 – August 3, 2013	Surveys by air and ground as per USFWS Guidelines
WEST, Inc.		April – August, 2014 (ongoing)	Surveys by air and ground as per USFWS Guidelines
<b>Golden Eagle Prey Abundance Surveys</b>			
BBI 2013b	Lagomorphs	April 8 – May 4, 2013 May 5 – June 29, 2013	Concurrent with SBCs 579.69 km of transects 120 stations 186 stations
<b>Golden Eagle Camera Trap and Visual Surveys</b>			
BBI 2013d	Golden eagles	January 23 – February 27, 2013	Camera trap surveys at bait stations and surveys by ground
<b>Burrowing Owl Surveys</b>			
EDAW AECOM 2009	Burrowing owls	March 10 – June 14, 2009	per CBOC 1993 Protocol Guidelines and concurrent with desert tortoise survey
Karl 2013		April 7 – June 26, 2013	per CDFG 2012 Protocol Guidelines
<b>Agricultural Pond Surveys</b>			
Levenstein et al. 2014	Shorebirds/ Waterbirds/ Waterfowl	August 19 – December 10, 2013	3 stations 106 hours
WEST, Inc.		March – June 2014 (ongoing)	
<b>Nocturnal Radar Surveys</b>			
Levenstein and Nations 2014	Nocturnal migrants	August 19 – October 31, 2013	1, 3 km radius station 600 hours
WEST, Inc.		March – June 2014 (ongoing)	

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<b>Study</b>	<b>Taxa</b>	<b>Survey Dates</b>	<b>Survey Effort</b>
<b>Acoustic Bat Surveys</b>			
	Bats		
Brown and Rainey 2013, 2014		May 11 – 14, 2013	12 survey locations in spring 2013; 989 bat call minutes
		October 7 – December 14, 2013	4 stations in fall/winter 2013; 11,638 bat call minutes
<b>Bat Roost Surveys</b>			
	Bats		
AECOM 2009 Karl 2013		March 2009 May 11 – 14, 2013 October 7 – December 14, 2013	Targeted visual surveys Analysis of acoustic information to determine potential presence of species with various roosting habits