

This report provides a summary of environmental monitoring and compliance activities conducted by Burns and McDonnell (BMcD) staff and BMcD subconsultants for the San Diego Gas & Electric (SDG&E) Sunrise Powerlink Project during the above weekly time period.

Training

- SWEAP and PBS training was held for new Project personnel on Tuesday. Additional trainings were provided as requested.
- Flat-tailed horned lizard (FTHL) trainings were provided to any new crew members or monitors prior to construction per mitigation measure B-7b and in accordance with the FTHL Rangeland Management Strategy. During morning tailboard meetings, guidelines were provided about recognizing, protecting, and notification requirements for FTHL. FTHL information cards were made available to any crew members or monitors as needed.

Pre/Post Construction

- Avian biologists surveyed for nesting birds prior to work commencing in inactive areas. For sites off of USFS lands, the results of those surveys were submitted to the CPUC/BLM biologist for review and concurrence. For USFS lands, the results of those surveys were submitted to the USFS for review. For any active nests found, a buffer was established and no construction activities were permitted within the buffer area without consultation with the CPUC/BLM/USFS biologist. Active nests were mapped and monitored for success or failure and updated on the nest monitoring log.
- Post-construction impact surveys occurred at CP27, CP32 to CP33A, CP34 to CP44, CP45 to CP46, CP47 to CP51, CP52 to CP55, CP56 to CP62A, and EP22 to EP27.
- Additional signs and stakes were repaired as needed. Due to traffic and narrow access roads, broken stakes and run over signs were replaced. Maintenance (e.g., writing over faded signs, reinforcing signs/stakes in the ground, replacing zip ties, and adding additional signs) was performed as needed.

Construction

- Monitors were present during construction activities to ensure compliance with mitigation measures as identified in the Final EIR/EIS Mitigation Monitoring, Compliance, and Reporting Program. Archaeologists, Paleontologists, and Native American Monitors were present at sites where required as identified prior to construction activity and as approved in the NTPs.
- Project staff carpooled to site reviews, kick-off tailgates, and off-site meetings. Construction and traffic control crews were observed carpooling from yards to work areas.
- Deterrents were utilized to discourage bird nest building activities throughout the Project. Deterrents are determined depending upon the location and type of possible nesting areas and may include metallic flagging, compact discs, plastic owls, and the presence of biological monitors.



The table below demonstrates the construction progress to date:

OVERHEAD			
Agency	Foundations Completed	Towers Erected	Wire Installed
Non-Federal	169 of 169	169 of 169	169 of 169
Bureau of Land Management	179 of 179	179 of 179	179 of 179
Miramar	14 of 14	14 of 14	14 of 14
U.S. Forest Service	76 of 76	76 of 76	76 of 76
UNDERGROUND			
Agency	Vaults Installed	Trenches Excavated & Backfilled	
Non-Federal	40 of 40	42 of 42	
SUBSTATION UPGRADES			
4 of 7 Completed			
SUNCREST SUBSTATION			
100 Percent Complete			

Overhead Construction

- Link 1
 - § Miscellaneous tower work at EP144, EP272-3 to EP275-1, EP277-1, EP279-1, and EP363-1.
 - § Punchlist work at EP201-3.
 - § QA/QC at EP146.
 - § BMP maintenance at EP144, EP170 to EP173-1, EP178 to EP182, EP184-1 to EP188-1, EP191-2, EP200-3, EP200A-1, EP202-3 to EP205-2, EP207, EP209-1 to EP214, EP215, EP217-1, EP219-1, EP226-1 pull site, EP231-1, EP239-1 to EP248-1, EP250, EP251, EP255-2 to EP267-2, EP269-1, EP293, EP294, EP298-1, EP302-1, EP304-2 to EP309, EP311-1, EP312, EP330-1, and EP330-1 pull site.
 - § Restoration and hydromulching at McCain Valley Yard.
- Link 2
 - § During this reporting period, the PAL levels were as follows: Monday-D, Tuesday-Ev, Wednesday-Ev, Thursday-Ev, Friday-E, and Saturday-Ev. Work activities ended each day in accordance with the fire plan and the approved Ev letter as appropriate.



USFS Land

- § Final grade at EP124/EP125 pull site.
- § QA/QC at EP2-3, EP3-3, EP5-2 to EP7-1, EP15, EP17, EP118-2, EP121A-1, and EP143-1.
- § Punchlist work at EP2-3, EP3-3, EP5-2 to EP7-1, EP10-2, EP13-3, EP15, EP17, EP34-1, EP24-1, and EP143-1.
- § Cleanup at EP2-3, EP3-3, EP5-2 to EP7-1, EP10-2, EP13-3, EP21-1, and EP24-1.
- § BMP maintenance at EP1-3, EP11-3, EP12-3, EP12-3 pull sites, EP19-1 to EP21-1, EP24-1, EP29-2, EP33-1 to EP37-2, EP111-4, EP112-3-N to EP113-5-PS-N-A, EP113-5, EP118-2, EP123-1, EP124/EP125 pull site, EP126-1, EP127, EP130-1, EP131 pull site, and EP141 pull sites.
- § BMPs removed from EP57, EP58-2, EP112-3-N to EP113-5-E, EP113-5 pull sites, and EP124/EP125 pull site.
- § Restoration at EP22-1 pull site and EP23-2 pull site.
- § Hydromulching at EP1-3, EP22-1 pull site, and EP23-2 pull site.

BLM Land

- § Final grading at EP39-1-E-A to EP39-1-N-B, EP42-N, and EP47-2-PS-N.
- § Miscellaneous tower work at EP39-1.
- § QA/QC at EP39-1, EP40-1, EP42, EP43-1, and EP45-1.
- § Punchlist work at EP39-1 and EP40-1.
- § BMP installation/maintenance at EP39-1 to EP41, EP43-1 to EP45-1, EP47-2-PS-N, EP47-2, EP49-1, EP51-1, EP56-4, EP63, EP68, EP73, EP75-2, EP102A-1, and EP103-2.
- § BMP removal at EP56-4.
- § Restoration at EP39-1, EP39-1 pull site, EP42, EP42 pull site, EP47-2 pull site, and EP49.
- § Hydromulching at EP41.

Non-Federal Land

- § Gate installation at EP104-2 and EP105-2.
- § Final grading at EP58-2-E to EP67-N, EP64 to EP66, and EP67 pull sites.
- § QA/QC at EP62A-1, EP67, and EP87-1.
- § Punchlist work at EP32-1.
- § BMP maintenance at EP25-2, EP27-1, EP30-2 to EP32-1, EP52-1, EP54-1, EP54-1 pull site, EP62A-1, EP64 to EP67, EP67 pull sites, EP78A-E, EP90-1, EP91, EP93, EP104-2, and EP105-2.
- § BMP removal at EP58-2-E to EP62A-1-E and EP67 pull sites.
- § Hydromulching at EP32-1 and EP67 pull sites.

• Link 5

- During this reporting period, the PAL levels were as follows: Monday-D, Tuesday-Ev, Wednesday-Ev, Thursday-Ev, Friday-E, and Saturday-Ev. Work activities ended each day in accordance with the fire plan and the approved Ev letter as appropriate.

USFS Land

- § Miscellaneous tower work at CP69-2.
- § QA/QC at CP100-1.



BLM Land

- § Vegetation maintenance at CP58-1 TSAP.
- § Miscellaneous tower work at CP60 to CP62A and CP65-1 to CP68-1.
- § Anchor removal at CP59 to CP62A.
- § Splicing at CP65-1.
- § QA/QC at CP60, and CP65-1 to CP67-3.
- § Punchlist work at CP65-1 to CP68-1.

Non-Federal Land

- § Vegetation maintenance at CP56-1 TSAP.
- § Road work at CP98-N-A.
- § Miscellaneous tower work at CP22-1, CP57, CP62-2, CP63-3, CP64-2, CP70-3, CP75-1, CP76-1, CP78-2, and CP81-1.
- § Anchor removal at CP62-2.
- § QA/QC at CP29-1, CP37-2, CP53-1 to CP55, CP62-2, CP71, CP72-2, CP74-2, CP75-1, CP77, CP79-1, CP82-1, CP83, CP86-1, CP98-1, and CP108.
- § Punchlist work at CP27, CP33A, CP43-1, CP53-1, CP55, CP71 to CP74-2, CP76-1, CP77, CP79-1, CP80-2, CP82-1 to CP86, and CP106-1 to CP108.
- § Cleanup at CP53-1, CP55, CP57, CP70-3, CP71, CP74-2 to CP78-2, CP80-2 to CP83, and CP86.
- § BMP installation and maintenance at CP16-1, CP17-1, CP19-1, CP20, CP23, CP37-2, CP44-1, CP49-1, CP50-1, CP54-1, CP55, CP57, CP70-3, CP75-1, CP88-1-N-B, CP87/CP88 pull site, and CP106-1 to CP109-1.
- § Restoration at CP65-1-PS-N, CP88-1-N-B, and CP87/CP88 pull site.
- § Hydromulching at CP50-1, CP56-1 pull site, CP56-1-PS-E-B, and CP87/CP88 pull site.

Miramar

- § Final grade and restoration at CP6-1, CP7, CP10, and CP11-1.
- § Fence installation at CP6-1, CP7, CP10, and CP11-1.
- § QA/QC at CP12-1 and CP15-1.
- § Cleanup at CP11-1.
- § BMP installation and maintenance from CP3, CP6-1 to CP15-1.

69kV

- § Monopoles moved from Sycamore Yard to Sycamore Substation.

Underground Construction (Link 4)

- Overhead grading crew placing class 2 base in the access road to CP95/CP96 on the Loritz property.
- Overhead grading crew working on restoring the pull site on the Slay property at CP87/CP88 as well as placing class 2 base on the access road.
- PAR crew rolling base on CP95/CP96 access road.
- Daley watering hydroseed on Alpine Blvd.
- Fencing was completed at the Loritz property.

Suncrest Substation Construction (Link 3)

- Work inside the control shelter.
- SDG&E working in both the 230kV and 500kV yards.
- Ongoing bird sweeps in and around the substation.
- Marina working on the irrigation system.



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- Fiber optic work ahead of dedication ceremony planning.
- Grading crew working in the Wilson fly yard.
- Dedication ceremony preparation and clean up within the substation boundaries.

Substation Upgrades

San Luis Rey:

- Bird sweeps/surveys ongoing to identify and deter nest building.
- SDG&E crew began removing and replacing circuit breakers in the 230kV yard.

Encina:

- Bird sweeps ongoing to identify and deter nest building.

Scripps:

- No Sunrise-related work.

Pomerado:

- No Sunrise-related work.

Sycamore:

- Bird sweeps ongoing to identify and deter nest building.

IV:

- Bird sweeps/surveys are ongoing to identify and deter nest building.

Construction Yards

- Sycamore Yard – No activity.
- Helix Yard – Helicopter flights.
- El Monte Yard – No activity.
- Alpine Yard – Hub for equipment/materials staging, weed wash station, vegetation maintenance, and staging for road crews.
- Wilson Yard – PAR crew on site.
- SWAT Yard – Helicopter flights.
- Barrett Canyon Yard – No activity.
- Kreuzkamp Yard – Water truck fill ups.
- Bartlett Hauser Yard – Tailboard site for BMP and grading crews.
- Thing Valley Yard – Water for ROW.
- McCain Valley Yard – Restoration.
- Rough Acres Yard – Staging for steel and BMP crews, yard clean-up, and bundling steel.
- Jacumba Valley Ranch (JVR) Yard – No activity.

NOTE: In addition, all active yards typically have miscellaneous activities throughout the day such as materials delivery and staging, equipment mobilization/demobilization, water supply and dust control, and porta-potty maintenance.

Wildlife Reporting

The following listed or Species of Special Concern were found dead in Project construction limits during this reporting period:

- No listed or Species of Special Concern were found dead in Project construction limits during this reporting period.

The following listed or Species of Special Concern were relocated during construction activities this reporting period:

- No listed or Species of Special Concern were relocated during construction activities this reporting period

Spills/Hazardous Waste

- No spills were reported during this reporting period.

Customer Complaints

- No customer complaints were received during this reporting period.

Non-Compliances

- No non-compliances were received during this reporting period.

Variances and TEWS

- No new variiances and TEWS were approved during this reporting period.

Weather

- No rain events occurred during this reporting period.
- BMPs were installed or maintained as needed throughout Project areas. In accordance with the Construction General Permit (CGP), daily site BMP inspections, and photos, appropriate BMPs for stormwater and non-stormwater were implemented. Any sites requiring repairs began within 72 hours of identification.

Appendices

Flat-Tailed Horned Lizard Monitoring Report

Raven Control Monitoring Report

Flat Tailed Horned Lizard Counts - Week Ending 07/28/2012									
Date	Location	Observed		Injured		Relocated		Dead	
		Day	Night	Day	Night	Day	Night	Day	Night
	Post RCLMP*								
5/7/2012	AR btwn EP321 and EP320							1	
4/18/2012	AR btwn EP354-N and EP354	1							
2/23/2012	West side of AR to EP324	1							
11/1/2011	Dunaway CY					1			
10/14/2011	AR to EP356					1			
10/13/2011	AR to EP354							1	
9/20/2011	AR btwn EP357 and EP358							1	
9/19/2011	AR btwn EP352 and EP353	1							
9/12/2011	EP325					1			
9/9/2011	AR to EP363	1							
9/6/2011	AR to EP360/361					1			
9/6/2011	EP360					2			
9/6/2011	EP359					1			
9/3/2011	SWPL AR to EP324					1			
9/3/2011	SWPL AR to EP342					1			
9/3/2011	SWPL AR to EP345							1	
9/2/2011	EP352	1							
8/31/2011	EP324					1			
8/31/2011	SWPL AR to EP325-2					1			
8/30/2011	SWPL AR to EP346 and EP347					1			
8/29/2011	SWPL AR to EP353 and EP354							1	
8/29/2011	SWPL AR to EP324							1	
8/27/2011	EP349					1			
8/25/2011	EP360							1	
8/25/2011	Btwn EP320/321					1			
8/24/2011	SWPL AR near EP346	1							
8/23/2011	EP349					1			
8/21/2011	SWPL AR btwn EP344/345					1			
8/21/2011	SWPL AR to EP345							1	
8/20/2011	SWPL AR to IV Sub							1	
8/20/2011	SWPL AR btwn EP346/347					1			
8/19/2011	SWPL AR to EP339					1			
8/19/2011	EP355/356 Pullsite					1			
8/18/2011	EP347					1			
8/18/2011	SWPL AR to EP353							1	
8/12/2011	EP348/Dunaway CY AR					1			
8/11/2011	SWPL AR btwn EP357/358					1			
8/10/2011	EP347					1			
8/8/2011	SWPL AR to EP351					2			
8/6/2011	BLM AR near EP327							1	
8/1/2011	IV Substation Yard	1							
8/1/2011	W of Plaster City CY					1			
8/1/2011	AR to EP345					1			
7/30/2011	EP323					1			

Flat Tailed Horned Lizard Counts - Week Ending 07/28/2012									
Date	Location	Observed		Injured		Relocated		Dead	
7/28/2011	EP355/EP356 Pullsite					1			
7/27/2011	N of EP325, outside ROW	1							
7/26/2011	SWPL AR to EP344	1							
7/26/2011	EP347					1			
7/26/2011	AR to IV Sub					1			
7/25/2011	AR to IV Sub					1			
7/25/2011	AR to IV Sub					1			
7/25/2011	AR to IV Sub					1			
7/22/2011	AR to IV Sub					1			
7/21/2011	EP360					1			
7/21/2011	AR to EP326					1			
7/19/2011	Near EP346	1							
7/19/2011	EP353					1			
7/19/2011	AR to Dunaway CY					1			
7/18/2011	West of Plaster City CY					1			
7/17/2011	EP355					1			
7/15/2011	EP359	1							
7/15/2011	EP352	1							
7/15/2011	W of Plaster City CY	1							
7/14/2011	Spur Rd to EP355							1	
7/14/2011	Spur Rd to EP355							1	
7/14/2011	EP322	1							
7/13/2011	AR btwn EP355/354	1							
7/12/2011	EP344	1							
7/12/2011	SWPL AR btwn EP348/345							1	
TOTAL POST RCLMP		16	0	0	0	41	0	14	0
Prior to RCLMP		Day		Day		Day		Day	
7/11/2011	EP322-1					1			
7/11/2011	AR to EP352					2			
7/11/2011	AR to EP345					2			
7/10/2011	EP358					1			
7/10/2011	SWPL AR to EP354					2			
7/9/2011	AR to EP330	1							
7/8/2011	Spur Rd. to EP352	1							
7/7/2011	EP324					1			
7/7/2011	EP355					1			
7/6/2011	SWPL AR btwn EP362/363							1	
7/5/2011	EP354					1			
7/1/2011	AR to EP353	1							
6/30/2011	AR between EP310/311							1	
6/30/2011	EP358	1							
6/30/2011	EP360	1							
6/30/2011	AR to EP312							1	
6/30/2011	EP360							1	
6/27/2011	EP350					1			

Flat Tailed Horned Lizard Counts - Week Ending 07/28/2012					
Date	Location	Observed	Injured	Relocated	Dead
6/27/2011	Near EP362-1	2			
6/26/2011	IV Substation Yard			1	
6/25/2011	Near EP359	1			
6/24/2011	EP359			1	
6/23/2011	SWPL AR to EP360			2	
6/22/2011	SWPL AR to EP355			1	
6/20/2011	Near EP355/356	1			
6/20/2011	SWPL AR to EP359			1	
6/20/2011	Near EP353	2			
6/20/2011	AR between EP358/357				1
6/18/2011	AR to Dunaway CY				1
6/17/2011	Near EP335	1			
6/11/2011	SWPL AR btwn EP360/361	1			
6/7/2011	Near EP355	1			
6/7/2011	EP361			1	
6/7/2011	Near EP321				1
6/7/2011	AR between EP324/325				1
6/6/2011	SWPL AR btwn EP344/EP345			1	
6/3/2011	EP359	1			
6/3/2011	SWPL AR EP362			1	
6/2/2011	AR to EP358			1	
6/2/2011	AR east of EP325				1
6/1/2011	SWPL AR btwn EP320-1/322-1	1			
6/1/2011	SWPL AR btwn EP358/359	1			
6/1/2011	SWPL AR btwn EP319/EP320			1	
6/1/2011	SWPL AR to EP318			1	
5/31/2011	SWPL AR btwn EP359/EP360			1	
5/31/2011	SWPL AR to EP320			1	
5/31/2011	EP360				1
5/27/2011	EP357	1			
5/26/2011	SWPL AR to EP359			1	
5/25/2011	Spur Rd to EP321			1	
5/23/2011	EP323			1	
5/21/2011	EP324	1			
5/20/2011	IV Substation Yard			1	
5/20/2011	AR to EP362			1	
5/20/2011	AR btwn EP324/EP325			1	
5/20/2011	SWPL AR btwn EP326/EP327			1	
5/20/2011	IV Substation Yard			3	
5/19/2011	IV Substation Yard			5	
5/19/2011	EP317	1			
5/19/2011	EP324			1	
5/18/2011	IV Substation Yard			1	
5/18/2011	IV Substation Yard				1
5/17/2011	AR to IV Substation (EP363)				1

Flat Tailed Horned Lizard Counts - Week Ending 07/28/2012					
Date	Location	Observed	Injured	Relocated	Dead
5/16/2011	IV Substation Yard	1			
5/16/2011	IV Substation Yard			1	
5/13/2011	SWPL AR Near EP362-1	1			
5/12/2011	AR to EP355			1	
5/11/2011	AR to Dunaway CY			1	
5/11/2011	EP360	1			
5/11/2011	Dunaway CY	3			
5/11/2011	Dunaway CY			4	
5/10/2011	EP322	1			
5/10/2011	AR to Dunaway CY	1			
5/9/2011	EP344	1			
5/9/2011	Dunaway CY			4	
5/8/2011	EP334	1			
5/7/2011	EP322	1			
5/7/2011	Spur Road to EP344	1			
5/7/2011	Dunaway CY			1	
5/6/2011	AR to EP321-1	1			
5/5/2011	AR to EP321-1	1			
5/5/2011	Dunaway CY			2	
5/4/2011	AR btwn EP343/EP344			1	
5/3/2011	SWPL AR btwn EP320/EP321	1			
4/27/2011	AR to EP322	2			
4/26/2011	EP322	1			
4/25/2011	Plaster City CY	1			
4/23/2011	EP322-1	1			
4/22/2011	EP328-1	1			
4/18/2011	Plaster City CY			1	
4/14/2011	AR to IV Substation	1			
4/8/2011	EP324				1
4/5/2011	IV Sub AR	1			
4/2/2011	Dunaway CY	1			
TOTAL PRIOR TO RCLMP		44	0	59	13
YTD		60	0	100	27

*RCLMP refers to the Revised Construction Lighting Mitigation Plan. Nighttime construction began the night of July 11, 2011.

Raven Control Monitoring Report - Week Ending 07/28/2012

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
7/28/2012			No ravens observed					
7/27/2012			No ravens observed					
7/26/2012			No ravens observed					
7/25/2012			No ravens observed					
7/24/2012			No ravens observed					
7/23/2012			No ravens observed					
7/22/2012			No ravens observed					
7/21/2012			No ravens observed					
7/20/2012			No ravens observed					
7/19/2012			No ravens observed					
7/18/2012			No ravens observed					
7/17/2012			No ravens observed					
7/16/2012			No ravens observed					
7/15/2012			No ravens observed					
7/14/2012			No ravens observed					
7/13/2012			No ravens observed					
7/12/2012			No ravens observed					
7/11/2012			No ravens observed					
7/10/2012			No ravens observed					
7/9/2012			No ravens observed					
7/8/2012			No ravens observed					
7/7/2012			No ravens observed					
7/6/2012			No ravens observed					
7/5/2012			No ravens observed					
7/4/2012			No ravens observed					
7/3/2012			No ravens observed					
7/2/2012			No ravens observed					
7/1/2012			No ravens observed					
6/30/2012			No ravens observed					
6/29/2012			No ravens observed					
6/28/2012			No ravens observed					
6/27/2012			No ravens observed					
6/26/2012			No ravens observed					
6/25/2012			No ravens observed					
6/24/2012			No ravens observed					
6/23/2012			No ravens observed					
6/22/2012			No ravens observed					
6/21/2012			No ravens observed					
6/20/2012			No ravens observed					
6/19/2012			No ravens observed					
6/18/2012			No ravens observed					
6/17/2012			No ravens observed					
6/16/2012			No ravens observed					
6/15/2012			No ravens observed					
6/14/2012			No ravens observed					

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
6/13/2012			No ravens observed					
6/12/2012			No ravens observed					
6/11/2012			No ravens observed					
6/10/2012			No ravens observed					
6/9/2012			No ravens observed					
6/8/2012			No ravens observed					
6/7/2012			No ravens observed					
6/6/2012			No ravens observed					
6/5/2012			No ravens observed					
6/4/2012			No ravens observed					
6/3/2012			No ravens observed					
6/2/2012			No ravens observed					
6/1/2012			No ravens observed					
5/31/2012			No ravens observed					
5/30/2012			No ravens observed					
5/29/2012			No ravens observed					
5/28/2012			No ravens observed					
5/27/2012			No ravens observed					
5/26/2012			No ravens observed					
5/25/2012			No ravens observed					
5/24/2012			No ravens observed					
5/23/2012			No ravens observed					
5/22/2012			No ravens observed					
5/21/2012			No ravens observed					
5/20/2012			No ravens observed					
5/19/2012			No ravens observed					
5/18/2012			No ravens observed					
5/17/2012			No ravens observed					
5/16/2012			No ravens observed					
5/15/2012			No ravens observed					
5/14/2012			No ravens observed					
5/13/2012			No ravens observed					
5/12/2012	EP355/356 SWPL line and EP348	3		1	2			no
5/11/2012			No ravens observed					
5/10/2012			No ravens observed					
5/9/2012			No ravens observed					
5/8/2012			No ravens observed					
5/7/2012			No ravens observed					
5/6/2012			No ravens observed					
5/5/2012			No ravens observed					
5/4/2012			No ravens observed					
5/3/2012			No ravens observed					
5/2/2012			No ravens observed					
5/1/2012			No ravens observed					
4/30/2012			No ravens observed					

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
4/29/2012			No ravens observed					
4/28/2012			No ravens observed					
4/27/2012	EP314 Pullsite	1		1				no
4/26/2012			No ravens observed					
4/25/2012			No ravens observed					
4/24/2012			No ravens observed					
4/23/2012	EP348/EP349 Pullsite	1		1				no
4/22/2012			No ravens observed					
4/21/2012			No ravens observed					
4/20/2012	EP348/EP349 Pullsite	1			1			no
4/19/2012			No ravens observed					
4/18/2012			No ravens observed					
4/17/2012			No ravens observed					
4/16/2012			No ravens observed					
4/15/2012			No ravens observed					
4/14/2012			No ravens observed					
4/13/2012			No ravens observed					
4/12/2012			No ravens observed					
4/11/2012			No ravens observed					
4/10/2012			No ravens observed					
4/9/2012			No ravens observed					
4/8/2012			No ravens observed					
4/7/2012			No ravens observed					
4/6/2012			No ravens observed					
4/5/2012			No ravens observed					
4/4/2012			No ravens observed					
4/3/2012			No ravens observed					
4/2/2012	S2 Yard	1		1				no
4/1/2012			No ravens observed					
3/31/2012			No ravens observed					
3/30/2012			No ravens observed					
3/29/2012			No ravens observed					
3/28/2012			No ravens observed					
3/27/2012			No ravens observed					
3/26/2012			No ravens observed					
3/25/2012			No ravens observed					
3/24/2012			No ravens observed					
3/23/2012			No ravens observed					
3/22/2012			No ravens observed					
3/21/2012	Plaster City Yard	2			2			no
3/20/2012			No ravens observed					
3/19/2012			No ravens observed					
3/18/2012			No ravens observed					
3/17/2012			No ravens observed					
3/16/2012	EP363	1			1			no
3/15/2012			No ravens observed					

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
3/14/2012	No ravens observed							
3/13/2012	Plaster City Yard	6		4			2	no
3/12/2012	Plaster City Yard	5		2			3	no
3/11/2012	No ravens observed							
3/10/2012	No ravens observed							
3/9/2012	No ravens observed							
3/8/2012	Plaster City Yard	3		2			1	no
3/8/2012	EP326	2		2				no
3/7/2012	Plaster City Yard	1			1			no
3/6/2012	EP350	1			1			no
3/5/2012	No ravens observed							
3/4/2012	No ravens observed							
3/3/2012	No ravens observed							
3/2/2012	EP352	2			2			no
3/2/2012	Plaster City Yard	1					1	no
3/2/2012	EP357	2		2				no
3/1/2012	No ravens observed							
2/29/2012	EP359-EP362	5		5				no
2/28/2012	EP357 and EP359	3			3			no
2/28/2012	EP349	2	2					no
2/27/2012	No ravens observed							
2/26/2012	EP351	1			1			no
2/25/2012	No ravens observed							
2/24/2012	EP355	3		3				no
2/23/2012	EP355	1		1				no
2/22/2012	EP347	2		2				no
2/22/2012	EP343/EP344 Pullsite	2					2	no
2/21/2012	No ravens observed							
2/20/2012	EP313-EP354	2		2				no
2/19/2012	EP360-EP362	2		2				no
2/18/2012	No ravens observed							
2/17/2012	No ravens observed							
2/16/2012	S2 Yard	3		3				no
2/15/2012	S2 Yard	5		5				no
2/14/2012	S2 Yard	2		2				no
2/13/2012	No ravens observed							
2/12/2012	No ravens observed							
2/11/2012	No ravens observed							
2/10/2012	No ravens observed							
2/9/2012	S2 Yard	2		2				no
2/8/2012	S2 Yard	3		2			1	no
2/7/2012	S2 Yard	3		2			1	no
2/6/2012	S2 Yard	3		2			1	no
2/5/2012	No ravens observed							
2/4/2012	S2 Yard	2			2			no
2/3/2012	No ravens observed							

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
2/2/2012	Pull site EP338/EP339	2			2			no
2/2/2012	S2 Yard	1		1				no
2/1/2012	Pull site EP338/EP339	3		3				no
1/31/2012	EP330	2		2				no
1/30/2012	No ravens observed							
1/29/2012	No ravens observed							
1/28/2012	No ravens observed							
1/27/2012	Plaster City Yard	2					2	no
1/26/2012	S2 Yard	2		2				no
1/26/2012	EP341	2			2			no
1/26/2012	EP316	2		2				no
1/25/2012	EP324	1		1				no
1/24/2012	No ravens observed							
1/23/2012	No ravens observed							
1/22/2012	No ravens observed							
1/21/2012	No ravens observed							
1/20/2012	No ravens observed							
1/19/2012	EP326-EP328	2		2				no
1/18/2012	EP334	1		1				no
1/17/2012	EP329-1	2			2			no
1/16/2012	No ravens observed							
1/15/2012	No ravens observed							
1/14/2012	No ravens observed							
1/13/2012	No ravens observed							
1/12/2012	No ravens observed							
1/11/2012	No ravens observed							
1/10/2012	No ravens observed							
1/9/2012	No ravens observed							
1/8/2012	No ravens observed							
1/7/2012	No ravens observed							
1/6/2012	No ravens observed							
1/5/2012	No ravens observed							
1/4/2012	No ravens observed							
1/3/2012	No ravens observed							
1/2/2012	No ravens observed							
1/1/2012	No ravens observed							
12/31/2011	No ravens observed							
12/30/2011	No ravens observed							
12/29/2011	EP313-EP304 & EP295-EP292	2			2			no
12/28/2011	EP294	20			20			no
12/27/2011	EP292	2			2			
12/26/2011	EP292	2					2	no
12/25/2011	No ravens observed							
12/24/2011	EP281, EP281GS & EP290	5		5				no
12/23/2011	No ravens observed							
12/22/2011	EP300-1, EP301 & EP304	3		3				no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
12/21/2011	No ravens observed							
12/20/2011	EP290-EP291/EP292 Pullsite	2			2			no
12/19/2011	No ravens observed							
12/18/2011	No ravens observed							
12/17/2011	EP325	1		1				no
12/17/2011	S2 Yard	3					3	no
12/16/2011	No ravens observed							
12/15/2011	IV Substation	1			1			no
12/15/2011	EP293	2		2				no
12/15/2011	S2 Yard	3					3	no
12/14/2011	S2 Yard	3					3	no
12/13/2011	S2 Yard	2					2	no
12/12/2011	S2 Yard	2					2	no
12/11/2011	S2 Yard	2					2	no
12/10/2011	EP306 & EP306/EP307 Pullsite	3		3				no
12/9/2011	IV Substation	1		1				no
12/9/2011	EP308 & EP306/EP307 Pullsite	2		2				no
12/9/2011	EP291 & EP291/EP292 Pullsite	2		2				no
12/8/2011	S2 Yard	3					3	no
12/8/2011	IV Substation	1		1				no
12/8/2011	EP301	2		2				no
12/8/2011	EP300-EP309	2		2				no
12/8/2011	EP291/EP292 Pullsite	2	2					no
12/8/2011	EP281	2		2				no
12/7/2011	IV Substation	1		1				no
12/7/2011	EP301	1			1			no
12/7/2011	EP291/EP292 Pullsite	1			1			no
12/7/2011	EP281	7		4	2	1		no
12/7/2011	S2 Yard	2			2			no
12/6/2011	S2 Yard	3				3		no
12/6/2011	EP301	2			2			no
12/6/2011	EP281	5		4		1		no
12/5/2011	S2 Yard	2					2	no
12/5/2011	IV Substation	2		2				no
12/5/2011	EP363	2		2				no
12/5/2011	EP281	6		6				no
12/4/2011	S2 Yard	3				3		no
12/4/2011	IV Substation	2		2				no
12/4/2011	Fromm CY	2				1	1	no
12/4/2011	EP294	1		1				no
12/3/2011	EP281	1		1				no
12/2/2011	IV Substation	1		1				no
12/1/2011	S2 Yard	2					2	no
11/30/2011	S2 Yard	2			2			no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
11/29/2011	S2 Yard	2			2			no
11/28/2011	S2 Yard	4			4			no
11/28/2011	EP290-EP301	5		2	3			no
11/27/2011	S2 Yard	1		1				no
11/26/2011	No ravens observed							
11/25/2011	NO WORK: DAY AFTER THANKSGIVING							
11/24/2011	NO WORK: THANKSGIVING							
11/23/2011	Plaster City Yard	3					3	no
11/22/2011	S2 Yard	4			4			no
11/22/2011	IV Substation	1			1			no
11/21/2011	S2 Yard	4					4	no
11/21/2011	IV Substation	1		1				no
11/21/2011	EP281	2			2			no
11/20/2011	EP360	2			2			no
11/20/2011	IV Substation	2		2				no
11/19/2011	No ravens observed							
11/18/2011	EP358 and IV Substation	2		2				no
11/17/2011	No ravens observed							
11/16/2011	S2 Yard	5			5			no
11/15/2011	EP330-1	2					2	no
11/15/2011	EP304; EP330	1			1			no
11/14/2011	S2 Yard	6			6			no
11/13/2011	No ravens observed							
11/12/2011	Dunaway CY	1			1			no
11/11/2011	Dunaway CY	4					4	no
11/11/2011	S2 Yard	5					5	no
11/10/2011	Fromm CY	2					2	no
11/10/2011	EP355	1		1				no
11/9/2011	Dunaway CY	1			1			no
11/8/2011	S2 Yard	5			5			no
11/8/2011	Dunaway CY	2			2			no
11/7/2011	S2 Yard	3					3	no
11/7/2011	EP308-EP310	1					1	no
11/7/2011	EP301 Pullsite	7		6	1			no
11/6/2011	No ravens observed							
11/5/2011	S2 Yard	7			7			no
11/5/2011	IV Substation	1			1			no
11/4/2011	S2 Yard	5			5			no
11/3/2011	S2 Yard	5			3		2	no
11/3/2011	IV Substation	1			1			no
11/3/2011	Fromm CY	1				1		no
11/3/2011	EP303 and EP302	2			2			no
11/3/2011	EP281	2			2			no
11/2/2011	S2 Yard	4			4			no
11/2/2011	IV Substation	1		1				no
11/2/2011	EP305, EP310, EP311	1		1				no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
11/1/2011	S2 Yard	2			2			no
11/1/2011	IV Substation	1		1				no
11/1/2011	EP305 and EP312	1			1			no
10/31/2011	S2 Yard	5			5			no
10/31/2011	AER and Fromm CY	1				1		no
10/30/2011	No ravens observed							
10/29/2011	IV Substation	3		3				no
10/28/2011	IV Substation	1		1				no
10/28/2011	EP256, EP357 & EP358	5		5				no
10/27/2011	EP356, EP358 & EP362	2		2				no
10/27/2011	EP305, EP307, EP310-EP312	1		1				no
10/26/2011	EP306, EP307 & EP310	2		2				no
10/25/2011	IV Substation	1		1				no
10/25/2011	EP310	1		1				no
10/24/2011	S2 Yard	3					3	no
10/24/2011	EP305	1			1			no
10/23/2011	S2 Yard	3			3			no
10/22/2011	No ravens observed							
10/21/2011	Dunaway CY	1			1			no
10/20/2011	S2 Yard	2					2	no
10/20/2011	Dunaway CY	5					5	no
10/19/2011	EP314	1		1				no
10/19/2011	EP290	5		5				no
10/18/2011	No ravens observed							
10/17/2011	EP301	3		3				no
10/16/2011	No ravens observed							
10/15/2011	S2 Yard	2					2	no
10/15/2011	Dunaway CY	1				1		no
10/15/2011	EP315	2					2	no
10/15/2011	EP301	3			3			no
10/14/2011	Fromm CY	3				3		no
10/14/2011	EP305	2		2				no
10/14/2011	EP301	3			3			no
10/13/2011	S2 Yard	2					2	no
10/13/2011	Dunaway CY	5					5	no
10/13/2011	Fromm CY	1					1	no
10/13/2011	EP354-EP363	2			2			no
10/13/2011	EP301	4		4				no
10/12/2011	EP300-EP301	2		2				no
10/11/2011	Plaster City Yard	2			2			no
10/11/2011	IV Substation	2					2	no
10/10/2011	Fromm CY	2				2		no
10/10/2011	EP359-EP360	2		2				no
10/10/2011	EP355-EP363	2		2				no
10/10/2011	EP301	3		3				no
10/9/2011	S2 Yard	3					3	no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
10/9/2011	EP300	6		6				no
10/8/2011	EP357	2			2			no
10/8/2011	EP306	3					3	no
10/7/2011	Dunaway CY	1		1				no
10/7/2011	EP291-EP301	3		3				no
10/6/2011	Fromm CY	2					2	no
10/5/2011	Dunaway CY	2		2				no
10/5/2011	EP303-2	2		2				no
10/4/2011	EP310 & EP311	2		2				no
10/4/2011	EP301	3					3	no
10/4/2011	EP293	2		2				no
10/3/2011	S2 Yard	2					2	no
10/3/2011	Dunaway CY	2			2			no
10/2/2011	EP356-EP363	2		1	1			no
10/1/2011	Plaster City Yard	2					2	no
10/1/2011	EP360	2			2			no
9/30/2011	S2 Yard	2					2	no
9/30/2011	EP355	1		1				no
9/30/2011	EP314	2		2				no
9/30/2011	EP301	2		1	1			no
9/29/2011	EP291/EP292 Pullsite	1			1			no
9/28/2011	EP361	1			1			no
9/27/2011	EP315	2		1	1			no
9/27/2011	EP309	1		1				no
9/27/2011	EP301 & EP304	4		3	1			no
9/27/2011	EP290	1			1			no
9/26/2011	EP362	2			2			no
9/26/2011	Fromm CY	1				1		no
9/25/2011	No ravens observed							
9/24/2011	Plaster City Yard	2					2	no
9/24/2011	EP317	1		1				no
9/24/2011	EP309	1		1				no
9/23/2011	EP362	4			4			no
9/23/2011	EP303	2		2				no
9/22/2011	Fromm CY	1				1		no
9/22/2011	EP303	2		2				no
9/22/2011	EP301	2		2				no
9/22/2011	EP295-EP322	3		3				no
9/21/2011	S2 Yard	3			3			no
9/21/2011	Fromm CY	1					1	no
9/21/2011	EP303	1		1				no
9/20/2011	S2 Yard	2			2			no
9/20/2011	Fromm CY	1				1		no
9/19/2011	S2 Yard	3			3			no
9/19/2011	EP304, EP307, EP309	1		1				no
9/18/2011	S2 Yard	3				3		no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
9/18/2011	EP281	1		1				no
9/17/2011	S2 Yard	3					3	no
9/17/2011	EP362	1			1			no
9/17/2011	Fromm CY	3				3		no
9/16/2011	EP363	2			2			no
9/16/2011	Fromm CY	1					1	no
9/16/2011	EP304	2		2				no
9/16/2011	EP290	1		1				no
9/15/2011	S2 Yard	4			4			no
9/15/2011	Fromm CY	3					3	no
9/15/2011	EP296	1		1				no
9/15/2011	EP306	2					2	no
9/15/2011	EP304	1		1				no
9/15/2011	EP301	2		2				no
9/14/2011	Plaster City Yard	1			1			no
9/14/2011	EP361	2			2			no
9/14/2011	Fromm CY	1				1		no
9/14/2011	EP308	1					1	no
9/14/2011	EP301	5		4	1			no
9/14/2011	EP292	3		3				no
9/13/2011	S2 Yard	10			10			no
9/13/2011	EP348	3		3				no
9/13/2011	EP345	2		2				no
9/13/2011	EP326	1					1	no
9/13/2011	EP325	2		2				no
9/13/2011	EP326	1		1				no
9/13/2011	EP304	7		7				no
9/13/2011	EP291	7		7				no
9/12/2011	S2 Yard	3			3			no
9/12/2011	EP350	1		1				no
9/12/2011	EP304	1		1				no
9/12/2011	EP301	1		1				no
9/11/2011	S2 Yard	2				2		no
9/10/2011	S2 Yard	2					2	no
9/9/2011	EP304	1			1			no
9/8/2011	S2 Yard	3					3	no
9/7/2011	S2 Yard	3					3	no
9/6/2011	No ravens observed							
9/5/2011	No ravens observed							
9/4/2011	No ravens observed							
9/3/2011	No ravens observed							
9/2/2011	EP348	1		1				no
9/2/2011	S2 Yard	1		1				no
9/2/2011	EP303	1		1				no
9/2/2011	EP363	2		2				1 at IV Sub

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
9/1/2011	EP303	2					2	no
9/1/2011	EP293	1					1	no
9/1/2011	EP304	2					2	no
8/31/2011	S2 Yard	1		1				no
8/31/2011	EP308	1		1				no
8/31/2011	EP305-3	2					2	no
8/31/2011	EP303	2		2				no
8/30/2011	EP303	1		1				no
8/29/2011	S2 Yard	1		1				no
8/29/2011	EP303	1		1				no
8/28/2011	No ravens observed							
8/27/2011	EP305	3			3			no
8/26/2011	EP301	2		2				no
8/25/2011	S2 Yard	2					2	no
8/25/2011	EP301	2		2				no
8/24/2011	S2 Yard	3				3		no
8/23/2011	EP292-1	3		3				no
8/22/2011	No ravens observed							
8/21/2011	No ravens observed							
8/20/2011	S2 Yard	2				2		no
8/20/2011	EP312	2		2				no
8/20/2011	S2 Yard	2					2	no
8/20/2011	EP312	2		2				no
8/19/2011	EP307	2			2			no
8/19/2011	EP296	1		1				no
8/18/2011	S2 Yard	2				1	1	no
8/18/2011	EP301	Flock		x				no
8/17/2011	S2 Yard	2				1	1	no
8/17/2011	EP301	3			3			no
8/16/2011	S2 Yard	1					1	no
8/16/2011	EP301	1		1				no
8/15/2011	No ravens observed							
8/14/2011	No ravens observed							
8/13/2011	S2 Yard	2					2	no
8/12/2011	IV Substation	2				2		no
8/12/2011	S2 Yard	3				3	3	no
8/11/2011	EP294	4			4			no
8/11/2011	S2 Yard	3				3	3	no
8/10/2011	S2 Yard	3				2	1	no
8/9/2011	S2 Yard	not specified						no
8/8/2011	EP294	2			2			no
8/8/2011	S2 Yard	1						no
8/7/2011	No ravens observed							
8/6/2011	S2 Yard	1						no
8/5/2011	EP301	3		3				no
8/4/2011	S2 Yard	not specified						no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
8/3/2011	S2 Yard	2		2				no
8/3/2011	S2 Yard	1						no
8/2/2011	S2 Yard	3					3	no
8/1/2011	EP314	not specified		x				no
7/31/2011	No ravens observed							
7/30/2011	EP314	3		2			1	no
7/30/2011	S2 Yard	1					1	no
7/29/2011	S2 Yard	1						no
7/28/2011	EP319	4	1	2	1			no
7/28/2011	S2 Yard	not specified						no
7/27/2011	S2 Yard	not specified						no
7/26/2011	No ravens observed							
7/25/2011	EP290	1			1			no
7/24/2011	No ravens observed							
7/23/2011	No ravens observed							
7/22/2011	EP290	2		1	1			no
7/21/2011	S2 Yard	1		1				no
7/20/2011	Ocotillo, CA	5						no
7/19/2011	Ocotillo, CA	1						no
7/17/2011	No ravens observed							
7/15/2011	No ravens observed							
7/14/2011	EP357	not specified						no
7/14/2011	EP358	not specified						no
7/14/2011	EP359	not specified						no
7/14/2011	Plaster City Yard	2		2				no
7/13/2011	EP313-EP314 PS	not specified						no
7/13/2011	S2 Yard	3					3	no
7/11/2011	EP304-EP314	not specified						no
7/10/2011	No ravens observed							
7/9/2011	EP351	not specified						no
7/9/2011	EP353	not specified						no
7/9/2011	EP354	not specified						no
7/9/2011	EP355	not specified						no
7/9/2011	not specified	not specified						no
7/9/2011	S2 Yard	3					3	no
7/8/2011	EP303	2			1		1	no
7/8/2011	EP303	1		1				no
7/8/2011	S2 Yard	3					3	no
7/1/11-7/7/11	No ravens observed							
6/30/2011	EP300	3		3				no
6/21/11-6/29/11	No ravens observed							
6/20/2011	S2 Yard	2					2	no
6/1/11-6/19/11	No ravens observed							
5/1/11-5/31/11	No ravens observed							
4/22/11-4/30/11	No ravens observed							
4/21/2011	EP341	1	1					no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
4/1/11-4/20/11			No ravens observed					
3/1/11-3/31/11			No ravens observed					
2/1/11-2/28/11			No ravens observed					
1/21/11-1/31/11			No ravens observed					
1/21/2011	Rough Acres Yard	not specified						no