



## Nest Survey Report

**Dates:** 04/04/2017-04/05/2017

**Biologist(s):** Amy Trexler (AT)

**Survey Area/Location/Structures:**

04/04/2017: Segment 5 - Sections 4, 5, and 6

04/05/2017: Segment 5- Sections 7, 8, and 9

**Proposed Construction within Survey Area:**

Proposed construction activities include pot-holing and excavation and trenching for installation of new underground 230kV line and vaults.

**Is Vegetation Clearing Required?** Yes:  No:

**Was Complete Survey Coverage Achieved?** Yes:  No:

**Details of modifications to the survey area if complete coverage was not achieved:** N/A

**Survey Conditions: 04/04/2017**

	<b>Start</b>	<b>End</b>
<b>Time</b>	12:50 pm	3:30 pm
<b>Temperature (°F):</b>	67 °	68 °
<b>Wind Speed (mph):</b>	0-5 mph	0-5 mph
<b>Cloud Cover (%):</b>	0	0
<b>Precipitation Type (if any) and duration:</b>	n/a	n/a

**Survey Conditions: 04/05/2017**

	<b>Start</b>	<b>End</b>
<b>Time</b>	12:55 pm	2:20 pm
<b>Temperature (°F):</b>	72 °	72 °
<b>Wind Speed (mph):</b>	0-5 mph	0-5 mph
<b>Cloud Cover (%):</b>	0	0
<b>Precipitation Type (if any) and duration:</b>	n/a	n/a

**Habitat(s) and Vegetation Description within Survey Area:**

- Southern coast live oak riparian forest
- Southern willow riparian forest
- Coastal sage scrub
- Ornamental
- Disturbed



**Description of Survey Methodology:**

The biologists conducted active and passive surveys within a survey buffer of 0.25 mile for white tailed kite, 500 feet for raptors, coastal California gnatcatcher, and least Bell’s vireo, 250 feet for passerine birds in open space, and 150 feet for common passerines in residential, commercial and industrial areas. Active survey methods included walking meandering transects through the habitats while observing bird behavior with the aid of binoculars and directly searching in vegetation, the ground, the towers/poles, and other potential nest substrates. Passive survey methods included stationary observation periods from select vantage points that provided maximum visibility of the survey areas, using binoculars as necessary. If potential nesting behavior was observed within the survey buffers, specific shrubs were directly searched for nests in the areas where birds may have been observed exhibiting higher levels of activity or potential breeding behavior. All potential raptor nesting areas within the survey buffers were searched directly and/or with the aid of binoculars. Visibility, access, time of year and weather conditions were all conducive to collecting comprehensive breeding data, and ample time was spent surveying all potential nest sites.

**Suitable Raptor Nesting Habitat:** Yes:  No:   
**Suitable CAGN Nesting Habitat:** Yes:  No:   
**Suitable LBV Nesting Habitat:** Yes:  No:

**Survey Results**

**Nest(s) Located (complete table below if yes)\*:** Yes:  No:   
 (Include previously located nests and current status)

Nest ID <sup>1</sup>	Species <sup>2</sup>	Listing Status <sup>3</sup>	Nest Stage <sup>4</sup>	Observation Notes <sup>5</sup>	Latitude (decimal degrees)	Longitude (decimal degrees)
03242017_ACT_01	Bushtit  (BUSH)	Common	Incubating	<b>3/24-</b> A flock of 3 birds (potentially nesting bird and helpers) were foraging in area of nest; one bird visited and tended to the nest. <b>3/29-</b> No activity observed, possibly incubating. <b>4/04-</b> Adult observed entering the nest.	32.89202	-117.18609
03242017_ACT_02	Anna’s Hummingbird  (ANHU)	Common	Incubating	<b>3/24-</b> Female observed sitting in nest. <b>3/29-</b> No activity observed <b>4/04-</b> No activity observed	32.89191	-117.18571
03242017_ACT_03	Lesser goldfinch  (LEGO)	Common	Building	<b>3/29-</b> Male and female observed in area, and nest is approximately 85% complete.	32.89196	-117.18555
03242017_ACT_04	Bushtit	Common	Building,	<b>3/24-</b> Pair observed	32.89129	-117.18485



	(BUSH)		Incubating	foraging in area of nest; nest is new with fresh, green vegetation. <b>3/29-</b> No activity observed, possibly incubating. <b>4/04-</b> No activity observed		
04042017_ACT_01	Anna's Hummingbird (ANHU)	Common	Incubating	<b>4/04-</b> Female observed sitting in nest.	32.89248	-117.18517

1 – Date (mmdyyy)\_Biologist Initials (ABC)\_Number ID (01)

2 – Include common name and four letter AOU species code

3 – Federally Endangered (FE), Federally Threatened (FT), Common

4 – Building, Incubating, Nestling, Fledged, Complete/Inactive

5 – Observation Notes: Item Carry (IC- nest material, food items, fecal sacs that indicate nesting in progress), Agitated/Territorial Behavior (ATB – indicating potential nest sites or an intent to nest), Courtship Behavior (CB – copulation, chasing flights, displays, etc.), Pair in Suitable Habitat (PSH – utilizing all or portions of the buffer zone), Other

**Avian Species Observed (complete common name):**

American crow (AMCR), Anna’s hummingbird (ANHU), black phoebe (BLPH), bushtit (BUSH), California towhee (CALT), European starling (EUST), hooded oriole (HOOR), house finch (HOFI), house wren (HOWR), lesser goldfinch (LEGO), mourning dove (MODO), song sparrow (SOSP), spotted towhee (SPTO), western scrub jay (WESJ) white-crowned sparrow (WCSP), white-throated swift (WTSW), and yellow-rumped (Audubon’s) warbler (YRWA).

**Additional Notes (see Avian Species Observed and Observation Notes for definition of abbreviations):**

- Song sparrow, bushtit, spotted towhee, hooded oriole: pairs observed in suitable habitat and displaying territorial behavior

Nesting WTKI within 0.25 miles:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>
Nesting Raptor, CAGN, or LBV within 500 feet:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>
Nesting Passerine within 250 feet (open space only):	Yes: <input checked="" type="checkbox"/>	No: <input type="checkbox"/>
Nesting Passerine within 150 feet (residential, commercial, residential areas):	Yes: <input checked="" type="checkbox"/>	No: <input type="checkbox"/>

**Nest Buffer Establishment as required by Mitigation Measure Biology-7**

**03242017\_ACT\_01: Bushtit – 250-foot buffer required within work area (work within area would require a buffer reduction request).** Nest is located within a coast live oak tree. Adult observed entering nest and remaining there. Nest is 100% complete and in the incubation stage.

**03242017\_ACT\_02: Anna’s hummingbird – 250-foot buffer required within work area (work within area would require a buffer reduction request).** No activity observed at nest. Nest is 100% complete.

**03242017\_ACT\_03: Lesser goldfinch – 250-foot buffer required within work area (work within area would require a buffer reduction request).** Could not re-locate nest in field. No activity observed in general location. Possibly incubating at time of survey.



**03242017\_ACT\_04: Bushtit – 250-foot buffer required within work area (work within area would require a buffer reduction request).** Nest is within low hanging coast live oak branches covered in wild cucumber vines. Nest appeared new with fresh, green vegetation woven into the nest. No nest activity observed, possibly incubating. Nest appears 100% complete.

**04042017\_ACT\_01: Anna’s hummingbird – 250-foot buffer required within work area (work within area would require a buffer reduction request).** Female was observed incubating on nest in coast live oak tree. Nest is street level but not visible from work area due to a dense vegetation buffer in between. Ambient noise levels were high at the time of the survey (traffic noise). The female engaged in normal, non-distressed behavior (incubating) during the surveyor’s presence. Nest is 100% complete.