

**COASTAL CALIFORNIA GNATCATCHER
(*Polioptila californica californica*)
FOCUSED SURVEY REPORT
FOR THE SAN DIEGO GAS & ELECTRIC
CLEVELAND NATIONAL FOREST
MASTER SERVICES PERMIT PROJECT
SAN DIEGO COUNTY, CALIFORNIA**

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SECTION 1.0 – INTRODUCTION

1.1. PROJECT DESCRIPTION

The Cleveland National Forest (CNF) is requesting an Environmental Impact Statement (EIS) be prepared for the issuance of a Master Special Use Permit to the San Diego Gas & Electric Company (SDG&E). The Master Special Use Permit would cover the operations and maintenance of the existing electric distribution and transmission lines, appropriate access roads, and facilities within the Trabuco, Palomar, and Descanso Ranger Districts of the CNF. The existing facilities are needed to supply power to local communities, residents, and government-owned facilities located within and adjacent to the CNF. The CNF is also analyzing operational and equipment upgrades and improvements to the existing lines. The Master Special Use Permit would also include conditions necessary for resource protection. Chambers Group, Inc (Chambers Group) has conducted biological surveys including focused sensitive wildlife species surveys and focused surveys for rare plants along the distribution and transmission line Rights of Way (ROW) within the CNF (Project Area¹). The survey results will be submitted by SDG&E to the CNF in support of the EIS to help analyze potential impacts to sensitive species within the Project Area. The Project Area includes approximately 167 linear miles of 12 transmission and distribution lines and includes the associated access roads and work areas. In addition to the data gathered from the Chambers Group surveys, the United States Forest Service (USFS) Biological Assessment/Biological Evaluation (BA/BE) for the CNF will be used to support this effort and report analysis.

The objective of this study was to determine the presence or absence of coastal California gnatcatcher (*Polioptila californica californica*; CAGN) and suitable CAGN habitat within the proposed Project Area.

1.2. SURVEY AREA

Chambers Group conducted focused CAGN surveys within the Project Area. Chambers Group biologists conducted a helicopter survey of the Project Area to determine where species specific surveys (Survey Areas) should be conducted (see Section 2.1 for habitat assessment). Areas identified as CAGN “suitable” habitat within CNF models were included in the review.

The Survey Area is a 150-foot buffer around transmission/distribution pole centerlines and was extended to a 250-foot radius around each pole where the overhead line makes an angle greater than 2 degrees. The additional buffer is to include potential additional work space that is typically required during operation and maintenance work at angle points within the overhead lines.

Survey Areas were identified first by geographical locations within the county and were also referenced by the associated transmission/distribution line. These areas were then further refined to locations containing species specific suitable habitat and were graphically depicted on an accompanying aerial mapbook. One master mapbook was created for the entire Project Area; however, due to its size only the relevant mapbook pages are included in this report.

¹ A complete Mapbook and description of the entire Project Area can be submitted upon request.

1.3. COASTAL CALIFORNIA GNATCATCHER NATURAL HISTORY

The coastal California gnatcatcher is a federally threatened species and a California Species of Special Concern. The historic range of this species extended from the coast and foothills of Ventura County, south through Los Angeles, southwestern San Bernardino, western Riverside, Orange, and San Diego counties of California into northwestern Baja California, Mexico. Populations have since become increasingly fragmented. This species is a permanent resident of Diegan, Riversidian, and Venturan sage scrub sub-associations found from sea level to 2,500 feet in elevation. Within its range, it associates strongly with California sagebrush (*Artemisia californica*) dominant habitats and also occurs in mixed scrub habitats with lesser percentages of this favored shrub. Other plant species important for the nesting and foraging of this species include California buckwheat (*Eriogonum fasciculatum*), white sage (*Salvia apiana*), black sage (*Salvia mellifera*), and chaparral broom (*Baccharis sarothroides*). Chamise (*Adenostoma fasciculatum*) habitats may also support breeding pairs, especially where coastal sage scrub occurs nearby or forms a component (Bontrager 1991).

The coastal California gnatcatcher is a small, secretive songbird with grayish coloration and faint white outer tail margins. Males of this species exhibit a black cap during the breeding season. The breeding season extends from about February 15 through August 31, with peak nesting activity occurring from mid-March to mid-May. The incubation period is approximately 14 days, and the young fledge at 8 to 13 days but may be dependent upon their parents for at least three weeks and may stay associated with their parents for several months.

Contributing factors in the decline of this species include overly frequent fire cycles, non-native plant invasions, brown-headed cowbird (*Molothrus ater*) nest parasitism, predation, and widespread habitat loss to urbanization and agriculture (Mock et al. 1990, Bontrager 1991). Range-wide habitat loss is estimated at 75 to 90 percent (Westman 1981), and the populations that remain are under increasing pressure from development.

SECTION 2.0 – METHODOLOGY

2.1. HABITAT ASSESSMENT

The purpose of the CAGN habitat assessment was to determine the presence potential for CAGN within the Project Area. CAGN are found within sage scrub sub-associations found from sea level to 2,500 feet in elevation.

Chambers Group biologists conducted a helicopter survey of the Project Area to determine where species specific surveys (Survey Areas) should be conducted. CAGN habitat suitability was assessed during this helicopter flyover. All sage scrub habitat areas that intersected the Project ROWs were reviewed for the presence of suitable habitat necessary for breeding. Handheld Global Positioning System (GPS) units and aerial maps were used to outline portions of the Project Area that would be surveyed during the 2010 CAGN focused surveys. In addition, to areas identified by Chambers' biologists, modeled data supplied by the CNF was also reviewed. Areas identified as SWFL "suitable" habitat within CNF models were included in the focused surveys. However, protocol-level surveys were not conducted in areas identified as "occupied" by USFWS and CNF.

Areas classified as potential CAGN habitat were further assessed during the first round of focused surveys. Observations were recorded on standardized field data sheets. Notes were made on the general vegetation types, species observed, and the potential for CAGN to occur on site. Plant communities and associations were determined in accordance with the categories set forth in Sawyer and Keeler-Wolf (1995). Plant nomenclature follows that of *The Jepson Manual, Higher Plants of California* (Hickman 1993).

2.2. FOCUSED SURVEYS

All CAGN focused surveys were conducted by biologists holding the necessary federal Endangered Species Act (ESA) section 10(a)(1)(A) survey permit. Surveys were conducted according to the USFWS presence or absence survey guidelines (1997).

Six focused surveys were conducted at least one week apart in areas of suitable CAGN habitat between the hours of 0600 and 1200. Periods of excessive or abnormal heat, wind, fog, and other inclement weather were avoided, and no more than 80 acres (32 ha) were surveyed per biologist per day.

Surveys were conducted by biologists slowly walking transects within suitable CAGN habitat within the Survey Areas and using binoculars to achieve 100 percent visual coverage. Taped CAGN vocalizations were used only to initially locate individuals, and tapes were not used frequently or to elicit further behaviors from any CAGN present. Information was recorded on the survey methods performed, including number of acres surveyed per biologist per day, start and stop times of survey, weather conditions, survey routes delineated on maps, and how frequently taped vocalizations were used.

Data was collected on the number, approximate age, class, sex, and color band information, if any was observed. All CAGN detections (e.g. vocalization, foraging behavior, nesting behavior, etc.) were recorded using hand held Global Positioning Systems (GPS) units and photo documented when possible. Information on any CAGN individuals observed was recorded to document the numbers and locations of paired or unpaired territorial males, ages and sexes of all birds observed, and nesting behavior.

Appendix A contains maps showing the Survey Area locations. Appendix B contains the wildlife species observed during the survey efforts. Appendix C contains the CAGN survey data table information.

SECTION 3.0 – RESULTS

3.1. FOCUSED SURVEY

The CAGN focused survey was broken up into five Survey Areas within the Project Area. Surveys were conducted by Kris Alberts (TE-039640-1), Travis Cooper (TE-170389-1) and Kris Alberts' sub-permittee Shannan Shaffer and accompanied by Paul Morrissey, Laurie Gorman and Seth Reimers. Table 1 below displays features of each survey area, including location (referenced as corresponding Mapbook pages), habitat type, and whether CAGN were present during the surveys. The paragraphs following Table 1 describe the Survey Areas in greater detail.

Table 1
Coastal California Gnatcatchers Observed Within Each Survey Area

| Survey Area Number | Location (Map Page) | Nearby Feature | Habitat Type(s) | Suitable CAGN Habitat | CAGN Observed | Notes |
|--------------------|---------------------|--|---|-----------------------|---------------|----------------------------|
| 1 | 005 | La Jolla Indian Reservation | Coastal sage scrub | Yes | None | Patchy habitat |
| 2 | 014 | Vista Ramona Road/ Rutherford Road | Coastal sage scrub | Yes | Five Pairs | Four pairs with fledglings |
| 3 | 047, 048 | Loveland Reservoir | Coastal sage scrub | Yes | None | 47 previously occupied |
| 4 | 055, 056, 057 | East of Bee Valley Road | Post-fire burned area; No coastal sage scrub | No | None | Land owner issues (57) |
| 5 | 052, 053 | Barret Lake Area Along Skye Valley Road | Coastal sage scrub | Yes | None | Land owner issues |

3.1.1 Survey Area 1: La Jolla Indian Reservation

The La Jolla Indian Reservation Survey Area was located northwest of Lake Henshaw and south of Highway 76 (Map MS-005), in an unincorporated community of San Diego County, California. The Survey Area for Transmission Line (TL) 682 runs along State Route (SR) 76 and the upper San Luis Rey River and works its way around the northern end of Lake Henshaw. Small, isolated patches of marginally suitable habitat dominated by white sage and containing California sagebrush were present. These sagebrush patches were surrounded by post fire-recovering vegetation dominated by deerweed (*Lotus scoparius*), with stands of Engelmann oak (*Quercus engelmannii*) and interior live oak trees

(*Quercus wislizenii*). Although suitable CAGN habitat was present, no CAGN were found within this Survey Area during the survey efforts.

3.1.2 Survey Area 2: Vista Ramona Road/ Rutherford Road

Surveys were conducted on privately owned lands near the intersection of Vista Ramona Road and Rutherford Road in an unincorporated community of San Diego County, California, in the vicinity of Swartz Canyon County Park (Map MS-014). Suitable habitat was present within this Survey Area; and five CAGN pairs were found, including four pairs with fledglings. On May 12, 2010, CAGN Pair 01 was heard vocalizing in California sagebrush at GPS location 11S 0517733 / 3654460 (UTM, NAD 83), CAGN Pair 02 was observed feeding fledglings at GPS location 11S 0517927 / 3654443, and CAGN Pair 03 was observed with four fledglings at GPS location 11S 0517557 / 3634365.

On May 19, 2010, CAGN Pair 01 was observed in the same location as May 12. CAGN Pair 02 was observed in the same location as May 12, feeding at least one fledgling. CAGN Pair 03 was observed at the same location as May 12; no fledglings were observed. CAGN Pair 04 was observed at GPS location 11S 0518627 / 3654544, and fledglings were possibly heard in the same area. CAGN Pair 05 was observed at GPS location 11S 0517249 / 3653843.

On May 26, 2010, CAGN Pair 02 was observed in the same location as previous surveys. CAGN Pair 02 was observed vocalizing and scolding in the same location as previous surveys. The male CAGN of Pair 04 was observed in the same location as previous surveys. CAGN Pairs 01 and 05 were not observed during the May 26 survey.

On June 2, 2010, CAGN Pairs 01 and 05 were heard and observed foraging, CAGN Pairs 03 and 04 were observed foraging but they did not make vocalizations, and the male from CAGN Pair 02 was observed and heard vocalizing; all pairs were in the same locations as they were in previous surveys. In addition, a fledgling was observed foraging on its own at GPS 11S 0517114 / 3653772.

On June 9, 2010, CAGN Pair 03 was observed and CAGN Pair 04 was observed and heard vocalizing in the same locations as they had previously been detected. CAGN Pairs 01, 02, and 05 were not observed or heard during the June 9 survey.

On June 16, 2010, CAGN Pairs 01 through 05 were all observed foraging in the same areas as they were observed in previous surveys. Fledglings were observed foraging on their own, independent of the parent birds, near the location of CAGN Pair 05.

3.1.3 Survey Area 3: Loveland Reservoir

Two Survey Areas were located with Sweetwater Authority owned lands. The first Loveland Reservoir Survey Area was located south of an unincorporated community of Alpine within San Diego County, California. Surveys were conducted along TL 625 north of the Loveland Reservoir south of Sequan Truck Trail, south of Japatul Road (Map MS-048). This first Survey Area has suitable and contiguous CAGN habitat approximately 0.75 mile long. The second and smaller Survey Area has suitable post-fire recovering sage scrub habitat located to the east towards the Sweetwater River inlet into the Loveland Reservoir (Map MS-047). This area was identified as “occupied” by documented records provided by CNF. Historically, a pair of CAGN resides in this area; however, CAGN have not been identified there in recent years since fires swept through the area (personal communication with Pete Famalaro with

Sweetwater Authority). Although suitable CAGN habitat was present, no CAGN were found within these Survey Areas. CAGN surveys should be conducted in the future as the habitat recovers from the fire.

3.1.4 Survey Area 4: East of Bee Valley Road Near Dulzura Creek

The surveys were conducted on privately owned lands east of Bee Valley Road near Dulzura Creek in an unincorporated community of Jamul within San Diego County, California (Maps MS-055 through -057). Barrett Lake was located approximately two miles to the northeast. These Survey Areas were recently burned and in a post-fire recovery state; dominant vegetation consisted of deerweed, short-pod mustard (*Hirschfeldia incana*), and laurel sumac (*Malosma laurina*), with small patches of white sage (*Salvia apiana*) present. No mature California sagebrush or California buckwheat was present during the survey effort. Land owner issues prevented survey access near the areas adjacent to Cottonwood Creek (west side of Map MS-057); however, this area was surveyed by binoculars from a ridge to the east and was also identified as recently burned and in a post-fire recovery state.

No suitable CAGN habitat was present, and no CAGN were identified within this Survey Area during the survey effort. However, small emergent sage scrub plants were identified during the survey; therefore, CAGN surveys should be conducted in the future as the habitat recovers from the fire.

3.1.5 Survey Area 5: Barret Lake Area Along Skye Valley Road

Surveys were conducted near the Pine Valley Creek inlet and unnamed creeks just north of Barrett Lake and downstream of Camp Barrett Juvenile Detention Facility (Maps MS-052 and -053). Initial surveys were conducted from west to east along Skye Valley Road. However, these areas were located on and near private property and were not surveyed due to non-compliance from the land owner (biologists were asked to leave promptly). These Survey Areas were recently burned and in a post-fire recovery state. Suitable CAGN habitat exists in this area, consistent with CNF models for CAGN suitable habitat.

No CAGN were identified within this Survey Area during the initial survey effort; however, only one formal survey was conducted for CAGN in this area due to land owner non-compliance. Therefore, presence/absence of this species from the survey area cannot be confirmed. Although this area is not identified as “occupied” CAGN habitat, the area is suitable for CAGN and Chambers Group recommends future surveys in this area after consulting with the land owners and obtaining permission for survey access.

SECTION 4.0 – CONCLUSIONS

Based on the results of the focused surveys, Survey Area 2, near the intersection of Vista Ramona Road and Rutherford Road, supports a population of CAGN. Five CAGN pairs were observed nesting in this area during the focused CAGN surveys. CAGN were not found in the remaining four Survey Areas. Survey Area 4 did not contain suitable CAGN habitat at the time of the survey; however, this area was recently burned and is currently in post-fire recovery. Therefore surveys for CAGN in this area should continue in the future once the sage scrub has recovered. Survey Areas 1, 3, and 5 contained suitable CAGN habitat; however, no CAGN were observed during the surveys in these locations. The Loveland Reservoir Survey Area has a high potential for CAGN to occur, since one area has historically hosted CAGN. The Survey Area 5 north of Barrett Lake host CAGN suitable fire-recovering habitat; however, due to land owner non-compliance, surveys were ceased in this area. Chambers Group recommends surveys continue in this area after consulting with the land owners and obtaining permission for survey access.

SECTION 5.0 – REFERENCES

Bontrager, D. R.

1991. Habitat requirements, home range and breeding biology of the California gnatcatcher (*Polioptila californica*) in South Orange County, California. Prepared for Santa Margarita Company, Rancho Santa Margarita, California.

Hickman, J. C.

1993. *The Jepson Manual: Higher Plants of California*. University of California Press.

Mock, P.J., B. L. Jones, and J. Konecny.

1990. California Gnatcatcher Survey Guidelines. ERC Environmental and Energy Services Co.

Sawyer, J. O., and T. Keeler-Wolf.

1995. *A Manual of California Vegetation*. California Native Plant Society. Sacramento, California.

U.S. Fish and Wildlife Service (USFWS).

1997. Coastal California Gnatcatcher (*Polioptila californica californica*): Presence/Absence Survey Guidelines. Unpublished Paper. Sacramento, California.

Westman, W.

- 1981a. Diversity relations and succession in California coastal sage scrub. *Ecology* 62:170-184.

- 1981b. Factors influencing the distribution of species of California coastal sage scrub. *Ecology* 62:439-455.











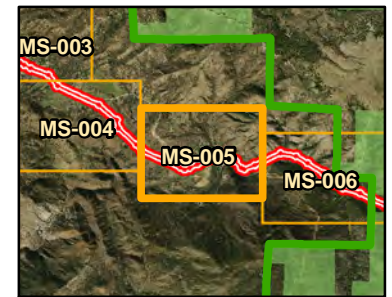
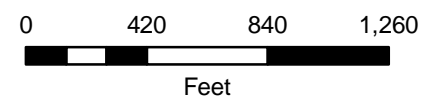
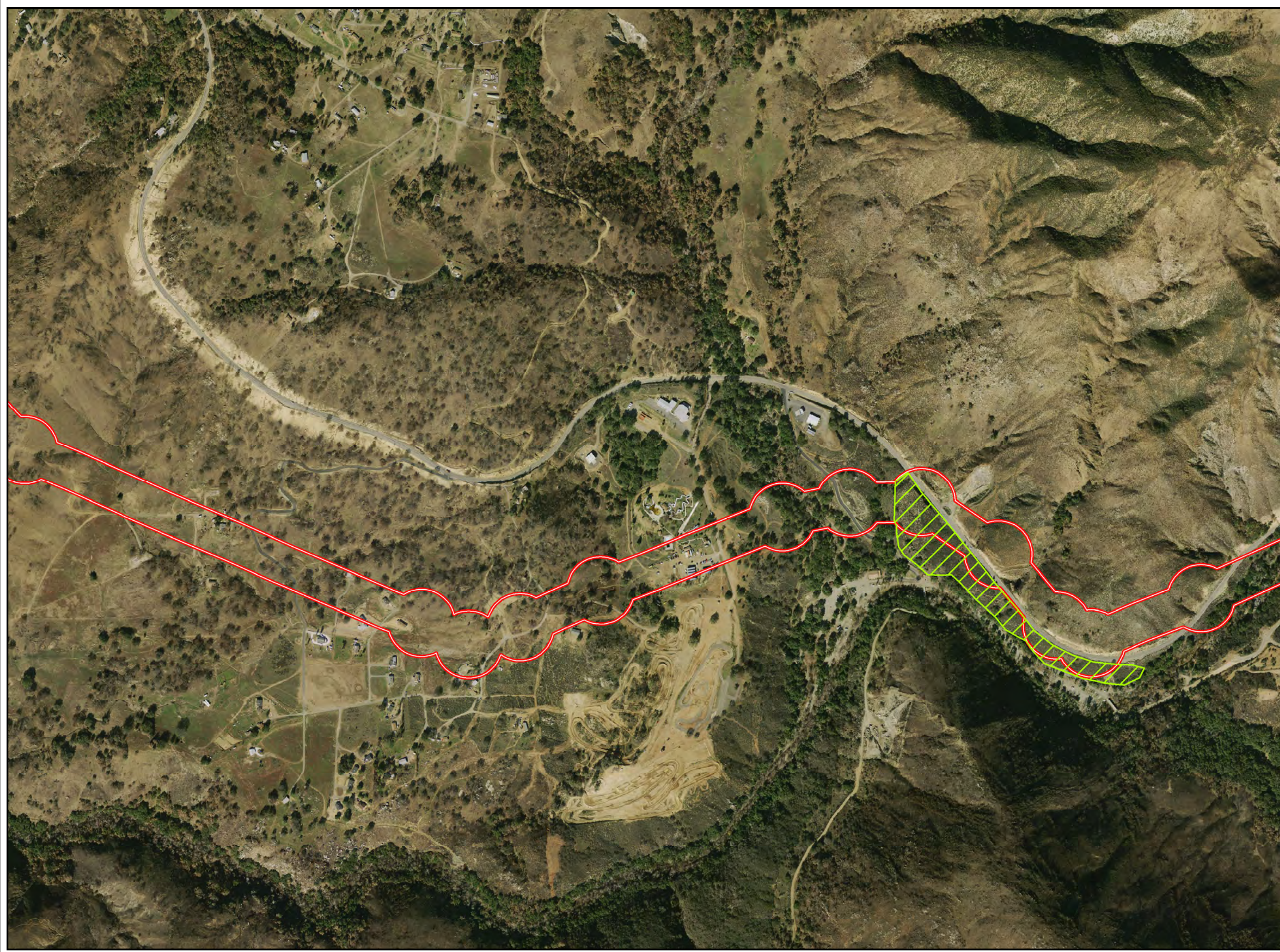
APPENDIX A – SURVEY AREA MAPS



California Gnatcatcher Survey Sites

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-  Survey Area
-  CAGN Pairs
-  Burned-Future Suitable Habitat
-  CGI Identified
-  Suitable Habitat
-  CNF Occupied Habitat
-  Cleveland National Forest
Congressional District Boundary
-  CNF Managed Lands











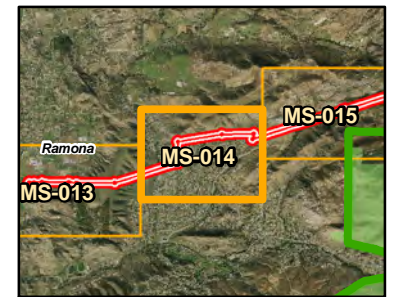
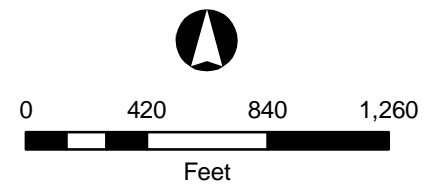
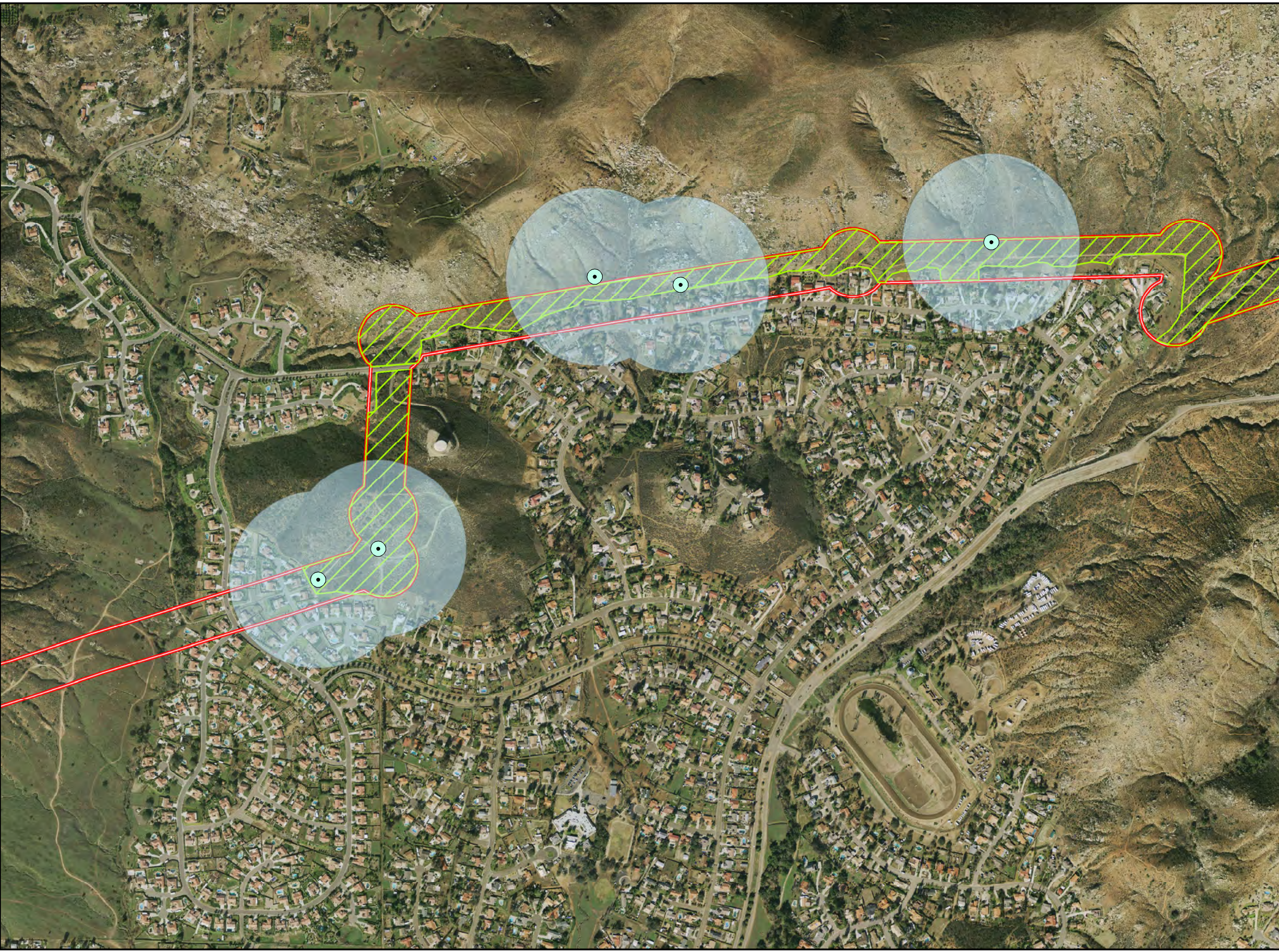
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California Gnatcatcher Survey Sites









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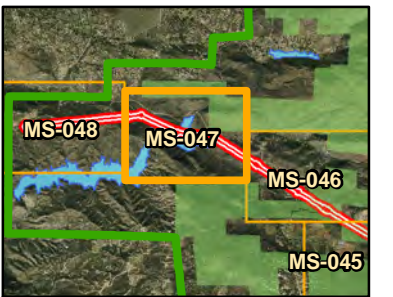
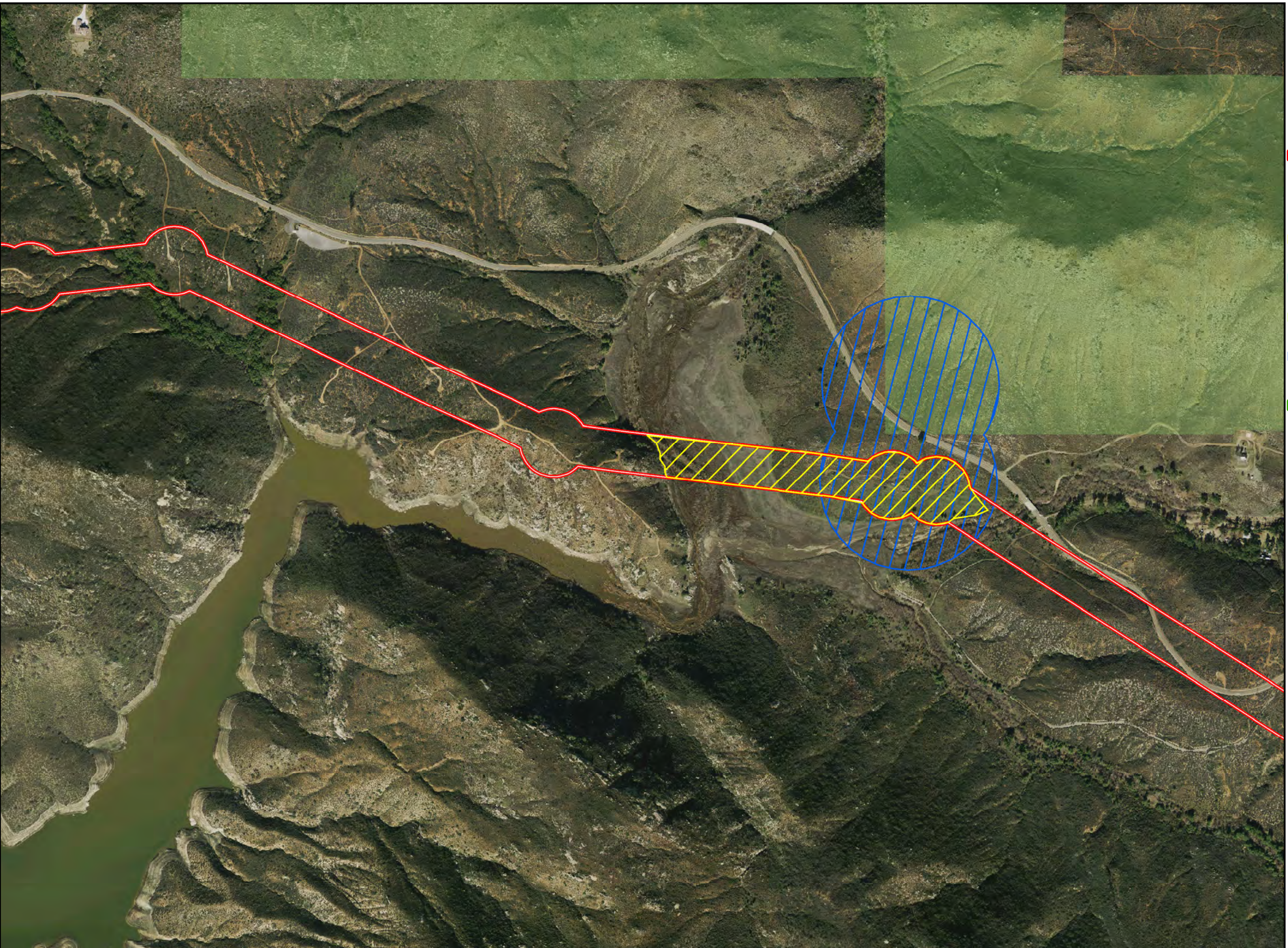
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California Gnatcatcher Survey Sites









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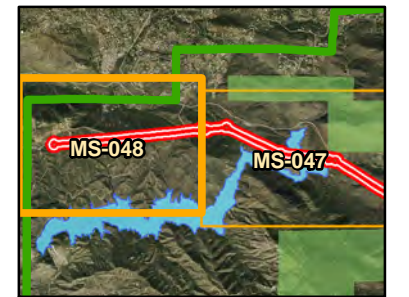
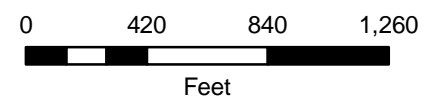
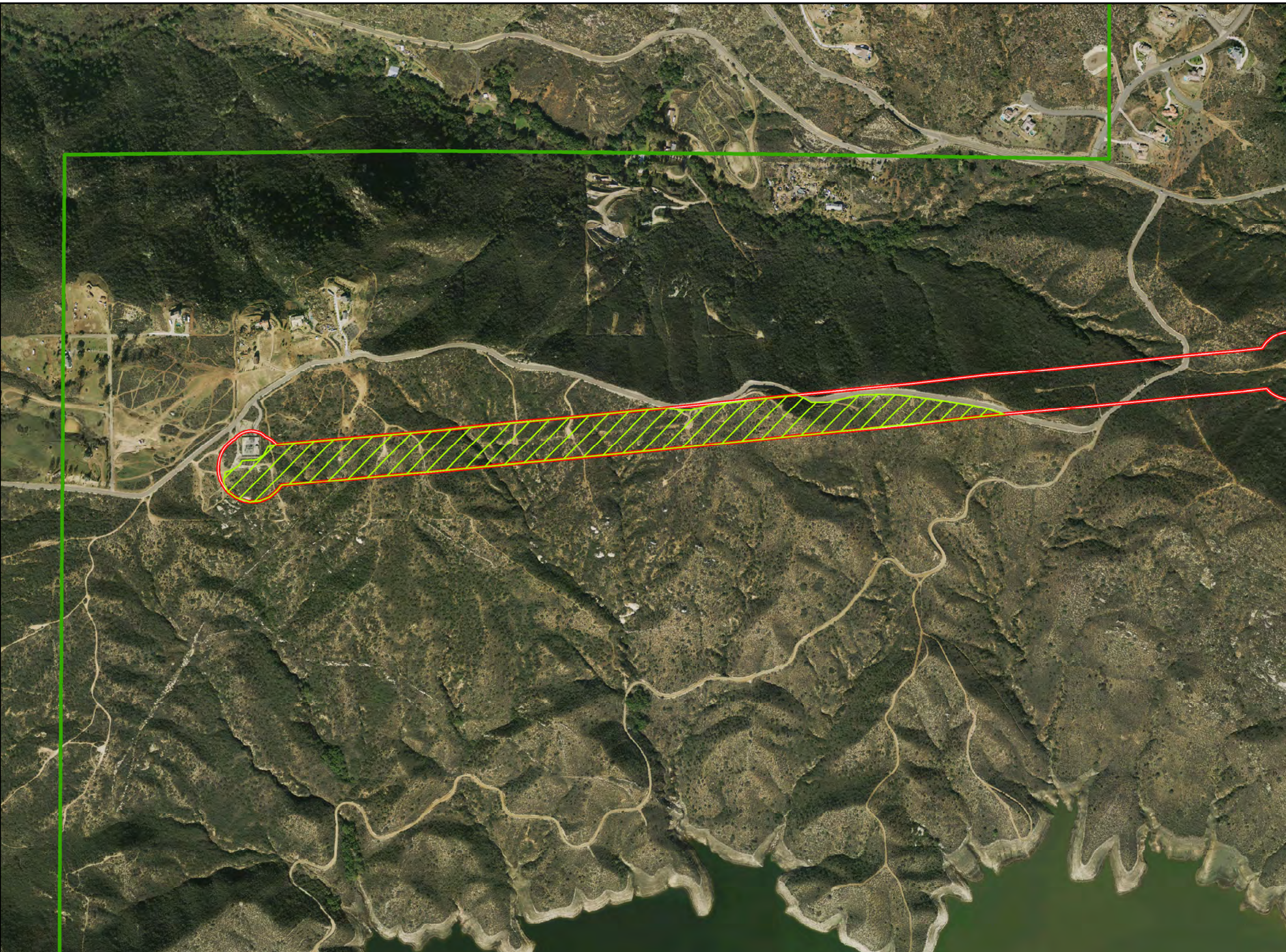
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California Gnatcatcher Survey Sites









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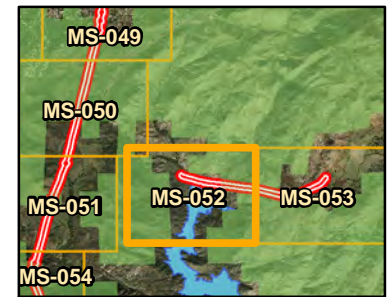
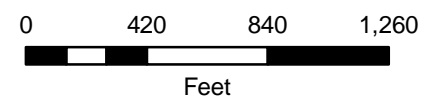
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California Gnatcatcher Survey Sites









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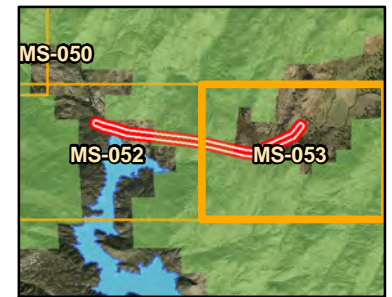
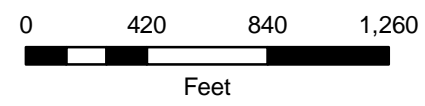
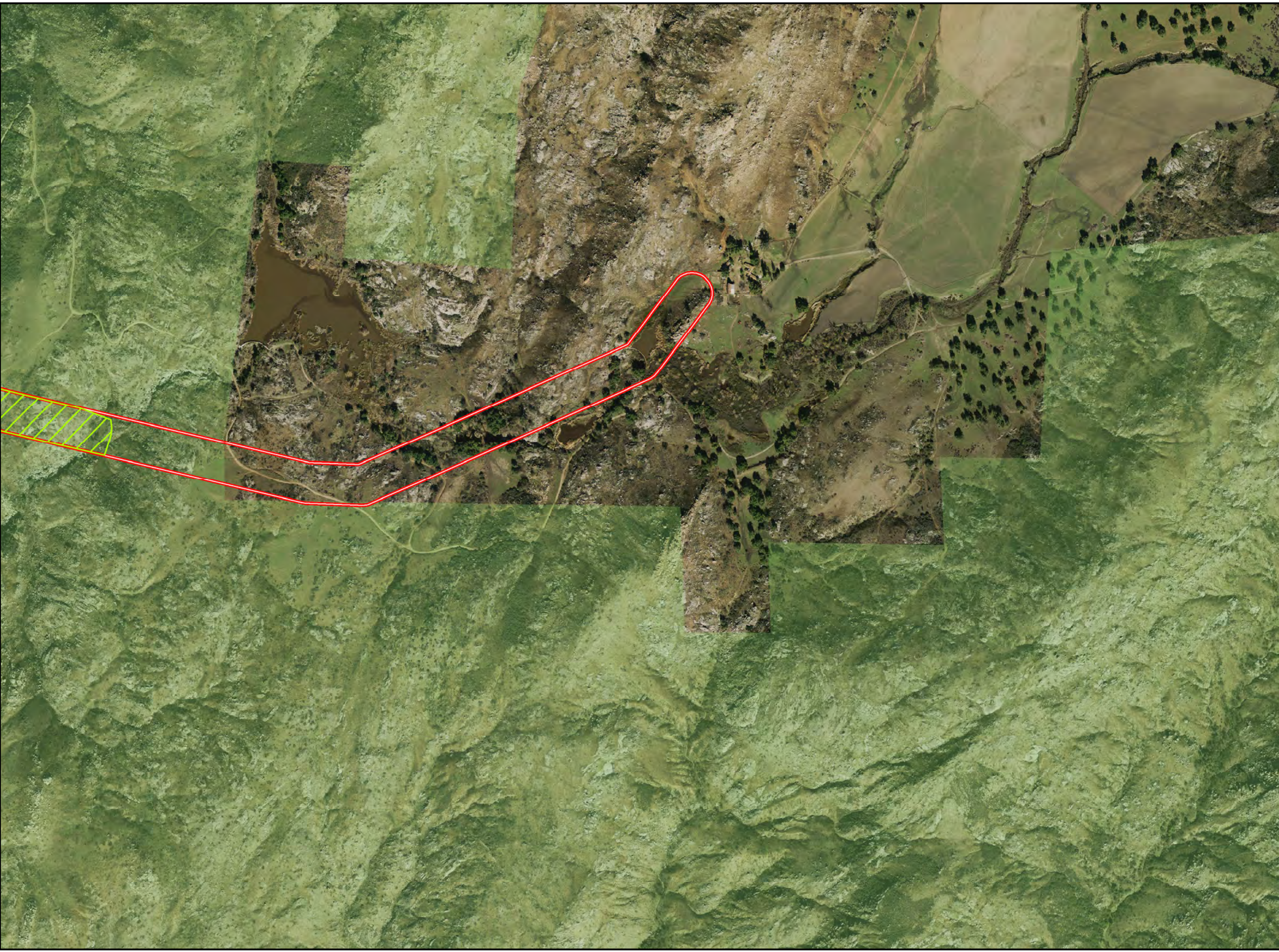
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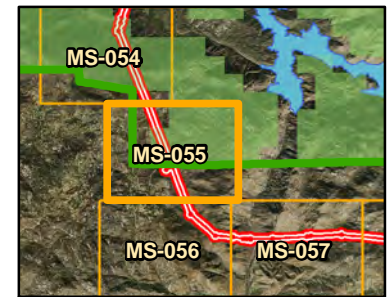
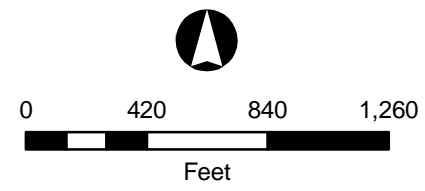
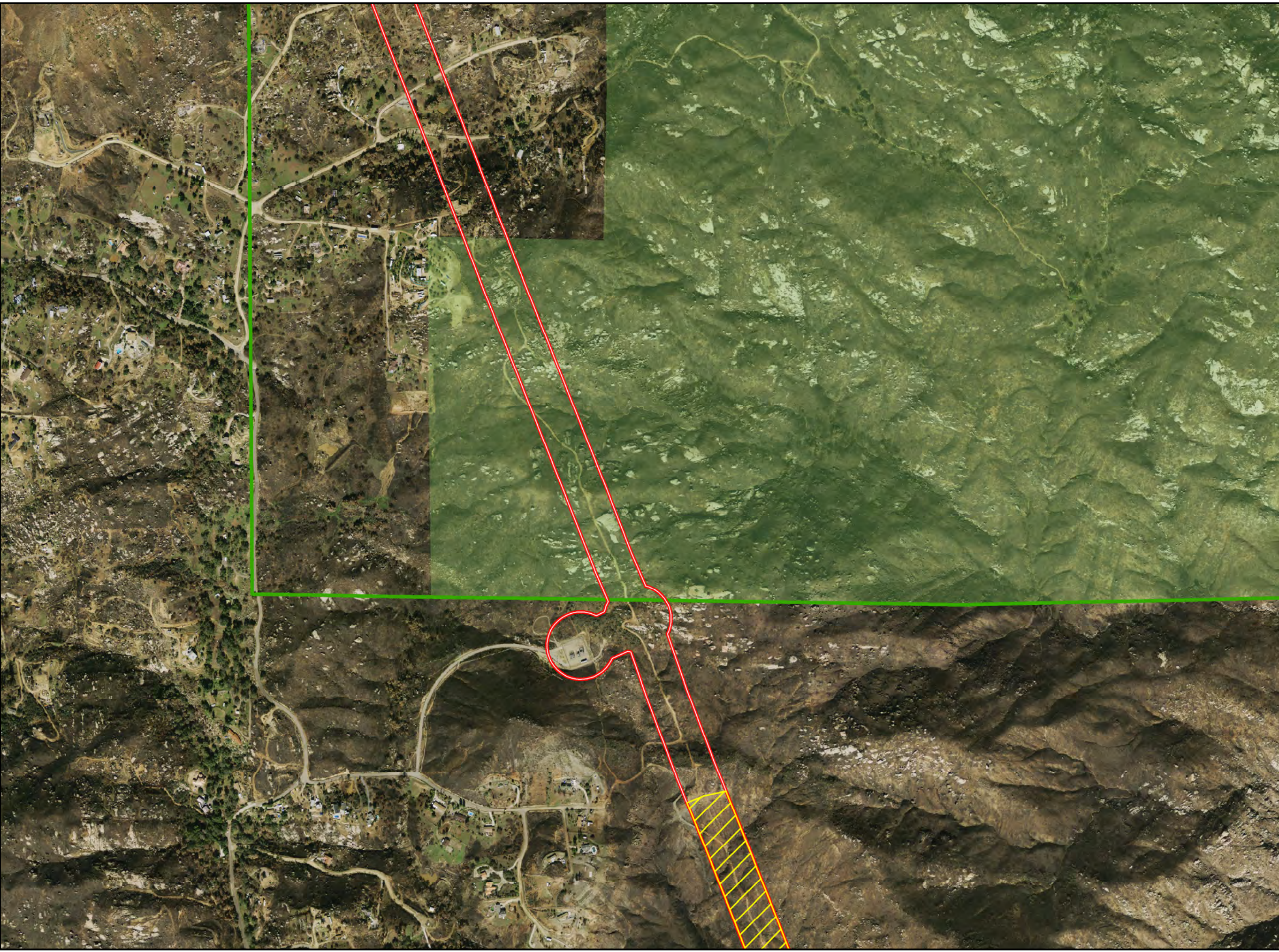
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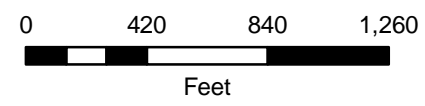
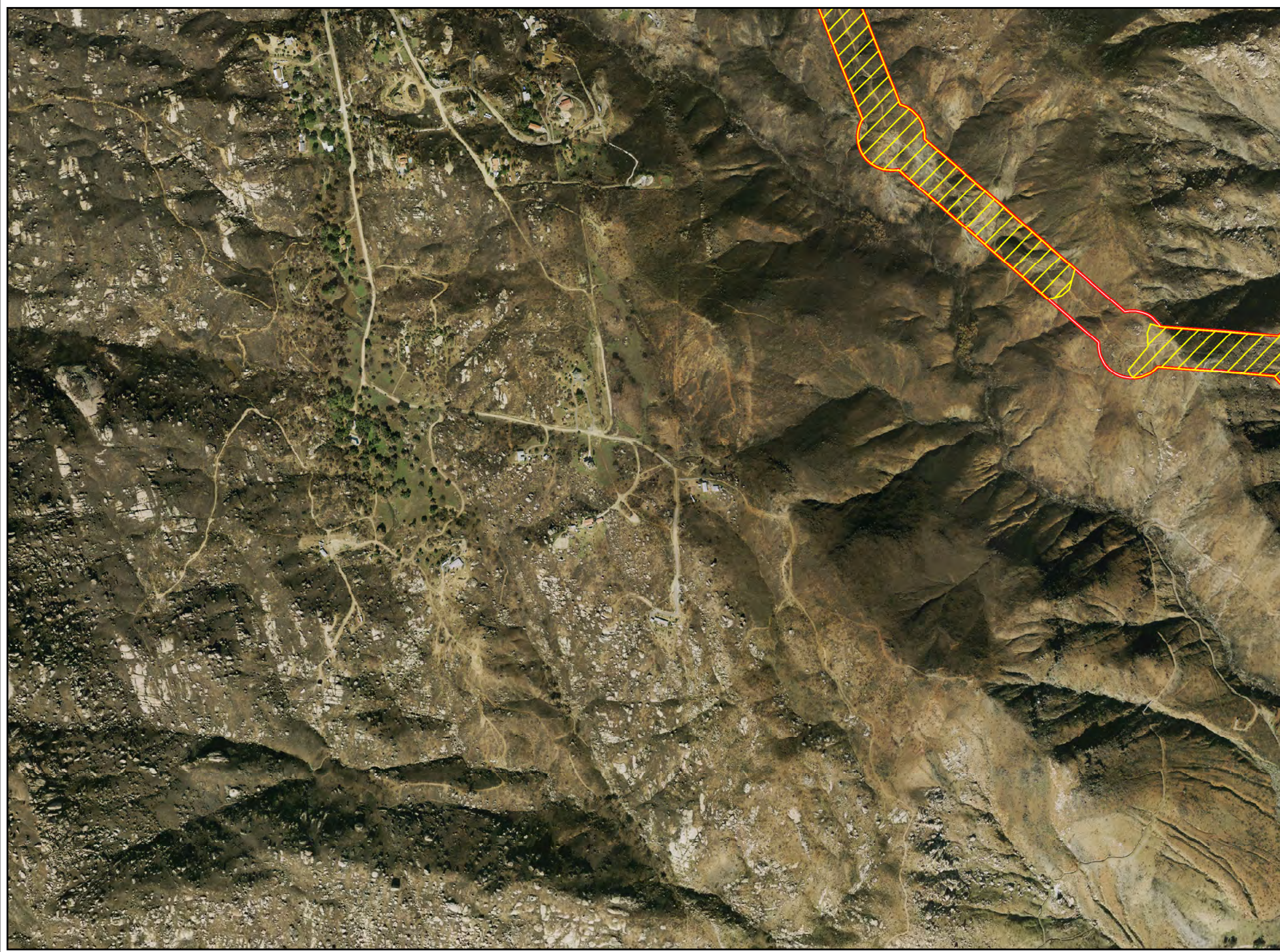
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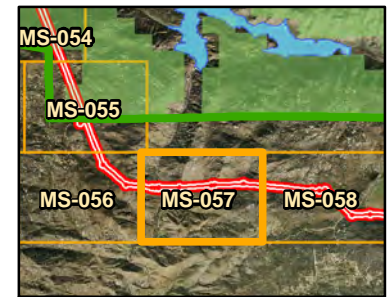
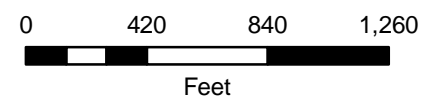
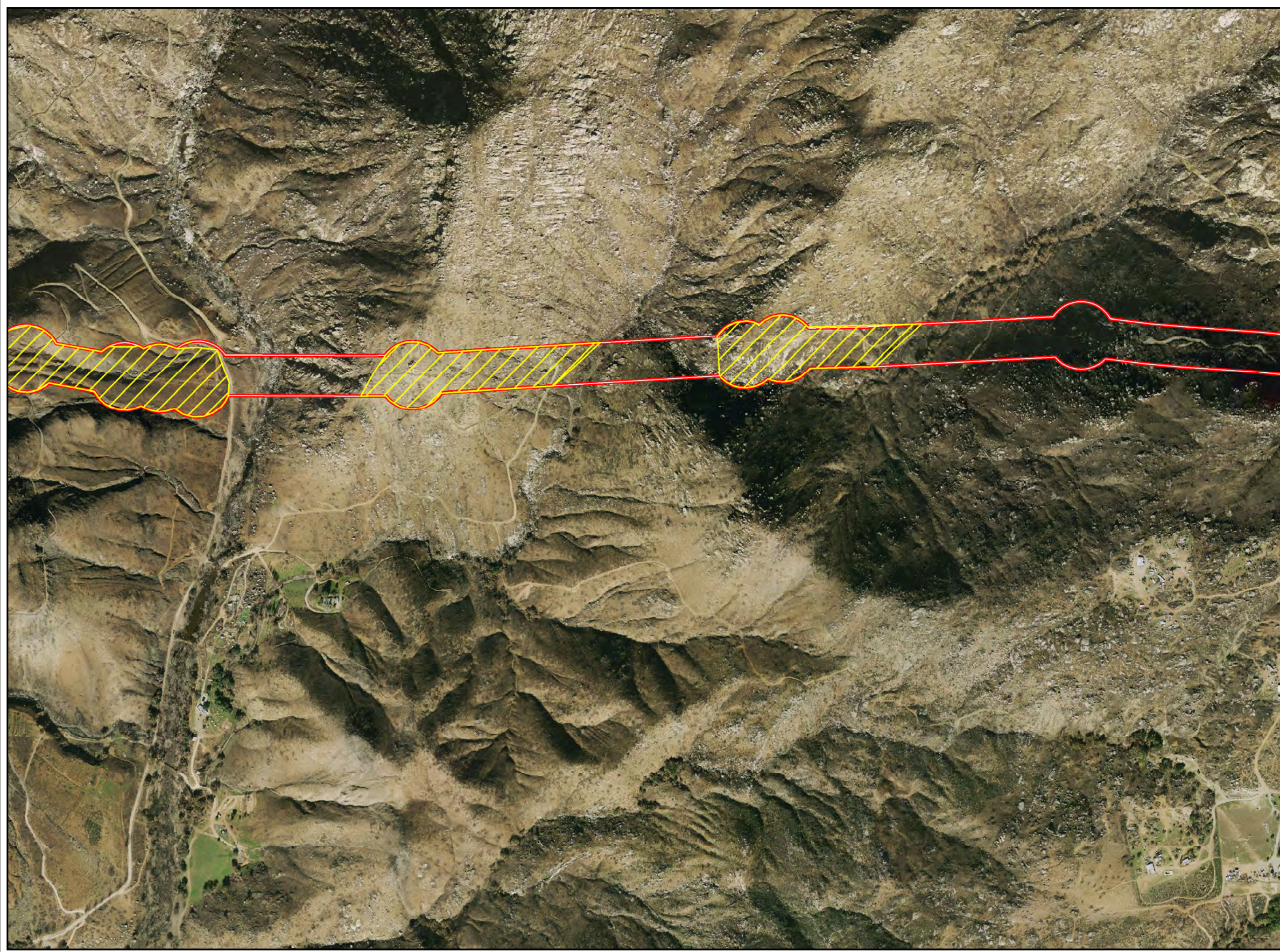
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APPENDIX B – WILDLIFE SPECIES LIST



APPENDIX B
Wildlife Species Observed/Detected during the
2010 CNF Coastal California Gnatcatcher Habitat Assessment and Focused Surveys

| Scientific Name | Common Name |
|---|--|
| CLASS AMPHIBIA | AMPHIBIANS |
| RANIDAE | TRUE FROGS |
| <i>Rana catesbeiana</i> | bullfrog |
| CLASS AVES | BIRDS |
| ACCIPITRIDAE | HAWKS, KITES, EAGLES |
| <i>Accipiter striatus</i> | sharp-shinned hawk |
| <i>Accipiter cooperii</i> | Cooper's Hawk |
| <i>Buteo jamaicensis</i> | red-tailed hawk |
| <i>Buteo lineatus</i> | red-shouldered hawk |
| AEGITHALIDAE | LONG-TAILED TITS & BUSHTITS |
| <i>Psaltriparus minimus</i> | bushtit |
| ANATIDAE | DABBING DUCKS |
| <i>Anas platyrhynchos</i> | mallard |
| ARDEIDAE | HERONS & EGRETS |
| <i>Ardea alba</i> | great egret |
| CARDINALIDAE | CARDINALS |
| <i>Pheucticus melanocephalus</i> | black-headed grosbeak |
| CATHARIDAE | NEW WORLD VULTURES |
| <i>Cathartes aura</i> | turkey vulture |
| CHARADRIIDAE | PLOVERS |
| <i>Charadrius vociferus</i> | killdeer |
| SYLVIIDAE | OLD WORLD WARBLERS AND GNATCATCHERS |
| <i>Polioptila californica californica</i> | Coastal California gnatcatcher |
| COLUMBIDAE | PIGEONS & DOVES |
| <i>Zenaida macroura</i> | mourning dove |
| CORVIDAE | JAYS, MAGPIES, & CROWS |
| <i>Aphelocoma californica</i> | western scrub jay |
| <i>Corvus brachyrhynchos</i> | American crow |
| <i>Corvus corax</i> | common raven |
| <i>Cyanocitta stelleri</i> | Steller's jay |
| EMBERIZIDAE | EMBERIZIDS |
| <i>Junco hyemalis</i> | dark-eyed junco (Oregon var.) |
| <i>Melospiza melodia</i> | song sparrow |
| <i>Pipilo crissalis</i> | California towhee |
| <i>Pipilo maculatus</i> | spotted towhee |
| FRINGILLIDAE | FINCHES |
| <i>Carpodacus purpureus</i> | purple finch |

APPENDIX B
Wildlife Species Observed/Detected during the
2010 CNF Coastal California Gnatcatcher Habitat Assessment and Focused Surveys

| Scientific Name | Common Name |
|----------------------------------|-------------------------------------|
| <i>Spinus psaltria</i> | lesser goldfinch |
| <i>Spinus tristis</i> | American goldfinch |
| HIRUNDINIDAE | SWALLOWS |
| <i>Tachycineta bicolor</i> | tree swallow |
| <i>Tachycineta thalassina</i> | violet-green swallow |
| ICTERIDAE | BLACKBIRDS & ORIOLES |
| <i>Agelaius phoeniceus</i> | red-winged blackbird |
| <i>Quiscalus mexicanus</i> | great-tailed grackle |
| <i>Icterus bullockii</i> | Bullock's oriole |
| <i>Molothrus ater</i> | brown-headed cowbird |
| MIMIDAE | MOCKINGBIRDS & THRASHERS |
| <i>Mimus polyglottos</i> | northern mockingbird |
| <i>Toxostoma redivivum</i> | California Thrasher |
| ODONTOPHORIDAE | NEW WORLD QUAIL |
| <i>Callipepla californica</i> | California quail |
| PARIDAE | TITS & CHICKADEES |
| <i>Baeolophus inornatus</i> | oak titmouse |
| PARULIDAE | NEW WORLD WARBLERS |
| <i>Dendroica coronata</i> | yellow-rumped warbler |
| <i>Dendroica townsendi</i> | Townsend's warbler |
| <i>Dendroica petechia</i> | yellow warbler |
| <i>Geothlypis trichas</i> | common yellowthroat |
| <i>Vermivora celata</i> | orange-crowned warbler |
| <i>Icteria virens</i> | yellow-breasted chat |
| PHASIANIDAE | UPLAND GAME BIRDS |
| <i>Meleagris gallopavo</i> | wild turkey |
| PICIDAE | WOODPECKERS |
| <i>Colaptes auratus</i> | northern flicker |
| <i>Melanerpes formicivorus</i> | acorn woodpecker |
| <i>Picoides nuttallii</i> | Nuttall's woodpecker |
| PODICIPEDIDAE | GREBES |
| <i>Aechmophorus clarkii</i> | Clark's grebe |
| <i>Aechmophorus occidentalis</i> | western grebe |
| PTILOGONATIDAE | SILKY FLYCATCHERS |
| <i>Phainopepla nitens</i> | phainopepla |
| SITTIDAE | NUTHATCH |
| <i>Sitta carolinensis</i> | white-breasted nuthatch |
| STURNIDAE | STARLINGS |

APPENDIX B
Wildlife Species Observed/Detected during the
2010 CNF Coastal California Gnatcatcher Habitat Assessment and Focused Surveys

| Scientific Name | Common Name |
|--------------------------------|--|
| <i>Sturnus vulgaris</i> | European starling |
| TIMALIIDAE | BABBLERS |
| <i>Chamaea fasciata</i> | wrentit |
| TROCHILIDAE | HUMMINGBIRDS |
| <i>Calypte anna</i> | Anna's hummingbird |
| <i>Calypte costae</i> | Costa's hummingbird |
| <i>Selasphorus sasin</i> | Allen's hummingbird |
| TROGLODYTIDAE | WRENS |
| <i>Thryomanes bewickii</i> | Bewick's wren |
| <i>Troglodytes aedon</i> | house wren |
| TURDIDAE | THRUSHES |
| <i>Sialia mexicana</i> | western bluebird |
| TYRANNIDAE | TYRANT FLYCATCHERS |
| <i>Contopus sordidulus</i> | western wood-pewee |
| <i>Empidonax difficilis</i> | Pacific-slope flycatcher |
| <i>Empidonax traillii</i> | willow flycatcher |
| <i>Myiarchus cinerascens</i> | ash-throated flycatcher |
| <i>Sayornis nigricans</i> | black phoebe |
| <i>Tyrannus verticalis</i> | western kingbird |
| VIREONIDAE | VIREOS |
| <i>Vireo bellii pusillus</i> | least Bell's vireo |
| <i>Vireo huttoni</i> | Hutton's vireo |
| CLASS MAMMALIA | MAMMALS |
| CANIDAE | DOGS |
| <i>Canis latrans</i> | coyote |
| CERVIDAE | DEER |
| <i>Odocoileus hemionus</i> | mule deer |
| SCIURIDAE | SQUIRRELS |
| <i>Spermophilus beecheyi</i> | California ground squirrel |
| CLASS REPTILIA | REPTILES |
| PHRYNOSMATIDAE | PHRYNOSOMID LIZARDS |
| <i>Sceloporus occidentalis</i> | western fence lizard |
| PHRYNOSOMATIDAE | ZEBRA-TAILED, EARLESS, FRINGE-TOED, SPINY, TREE, SIDE-BLOTCHED, AND HORNED LIZARD |
| <i>Uta stansburiana</i> | common side-blotched lizard |



APPENDIX C – CAGN SURVEY DATA TABLE



Appendix C
2010 CAGN Survey Data Table for SDG&E - CNF Master Services Permit Project in San Diego County, California

| DATE | LOCATION | TIME (military) | TEMP (°F) start/end | CLOUD COVER % | WIND (mph) | PRECIPITATION | CAGN PRESENT | # PAIRS OBSERVED | SURVEYOR | Pass (# of 6) | NOTES |
|-----------|-----------------------|-----------------|---------------------|---------------|------------|---------------|--------------|------------------|-------------------------------|---------------|--|
| 5/10/2010 | Barret Lake MS 52, 53 | 0630 - n1115 | 57/77 | 0 | 0-2 | 0 | N | 0 | Shannon Shaffer, Leslie Buena | 1 of 1 | Suitable habitat; however, chased away by land owners. Ceased surveys in this area. |
| 5/12/2010 | Ramona MS 014 | 0645-1220 | 58 / 81 | 20 | 0-1 | 0 | Y | 3 | Shannon Shaffer | 1 of 6 | Pair 01-observed male after playback heard female. Pair 02-observed pair foraging with 3 fledglings. Pair 03-observed male and 4 fledglings. Pair 1: 517733 / 3654460; Pair 2: 517927 / 3654443; Pair 3: 517557 / 3634365 |
| 5/18/2010 | MS 005 | 1040-1320 | 65 / 75 | 60 - 100 | 1-9 | 0 | N | 0 | Kris Alberts, Seth Reimers | 1 of 6 | Surveyed on MP 002-005. Area on Map MS 005 included in continual surveys, other areas excluded. |
| 5/19/2010 | MS 014 | 0620-1220 | 57 / 74 | 30 | 1-2 | 0 | Y | 5 | Shannon Shaffer | 2 of 6 | Pair 01-observed in prev. location. Pair 02-observed in same location, 1 fledgling observed. Pair 03- observed in same location. Pair 04- observed foraging, possible fledglings heard. Pair 05- observed foraging. Pair 4: 518627 / 3654544 ; Pair 5: 517249 / 3653843 |
| 5/21/2010 | MS 056 | 0715-1145 | 68 / 77 | 0 | 1-3 | 0 | N | 0 | Shannon Shaffer | 1 of 6 | Post-burn area, not suitable CAGN habitat. |
| 5/21/2010 | MS 057 | 0715-1145 | 68 / 77 | 0 | 1-3 | 0 | N | 0 | Shannon Shaffer | 1 of 6 | Post-burn area, not suitable CAGN habitat. |
| 5/24/2010 | Loveland Lake, MS 048 | 0645-1210 | 58 / 81 | 0 | 0-3 | 0 | N | 0 | Shannon Shaffer | 1 of 6 | Areas with good habitat, no CAGN observed |
| 5/25/2010 | MS 057 | 0720-1120 | 56 / 72 | 80 | 0-2 | 0 | N | 0 | Shannon Shaffer | 2 of 6 | Post-burn area, not suitable CAGN habitat. |
| 5/25/2010 | MS 005 | 0820-0915 | 56/ 58 | 0 | 0-3 | 0 | N | 0 | Kris Alberts | 2 of 6 | No CAGN observed or heard vocalizing. |
| 5/26/2010 | MS 014 | 0650-1215 | 59 / 80 | 100 | 0-1 | 0 | Y | 3 | Shannon Shaffer | 3 of 6 | Pairs 01 and 05 not observed. Pair 02 observed in same location as 5/12/2010. Pair 03 heard vocalizing and scolding. Pair 04 male observed in same areas as previous surveys. |
| 6/1/2010 | MS 047, 048 | 0640-1200 | 55 / 76 | 30 | 0-3 | 0 | N | 0 | Shannon Shaffer | 2 of 6 | No CAGN observed or heard vocalizing |
| 6/2/2010 | MS 005 | 1020-1042 | 78 / 79 | 10 | 1-3 | 0 | N | 0 | Kris Alberts, Laurie Gorman | 3 of 6 | No CAGN observed or heard vocalizing. |
| 6/2/2010 | MS 014 | 0625-1215 | 57 / 76 | 0 | 0-1 | 0 | Y | 5 | Shannon Shaffer | 4 of 6 | Heard and observed Pair 01 with older fledglings: 517114 / 3653772. Heard and observed pair 02 males at previous location. Observed pair 03 female foraging in previous location. Observed and heard pair 04 in previous location. Observed and heard pair 05 male in previous location. |
| 6/8/2010 | MS 047, 048 | 0645-1215 | 58 / 79 | 100 | 0-1 | 0 | N | 0 | Shannon Shaffer | 3 of 6 | No CAGN observed or heard vocalizing |
| 6/8/2010 | MS 005 | 1040-1105 | 73/ 73 | 40 | 1-6 | 0 | N | 0 | Kris Alberts | 4 of 6 | No CAGN observed or heard vocalizing |
| 6/9/2010 | MS 014 | 0630-1220 | 57 / 76 | 80 | 0-1 | 0 | Y | 2 | Shannon Shaffer | 5 of 6 | Observed pair 03 foraging in previous location. Observed pair 04 female and heard male in same area as previously found. Pairs 01, 02 and 05 not heard or observed |
| 6/15/2010 | MS 047, 048 | 0635-1200 | 58 / 78 | 0 | 0-2 | 0 | N | 0 | Shannon Shaffer | 4 of 6 | No CAGN observed or heard vocalizing |
| 6/16/2010 | MS 014 | 0630-1220 | 57 / 76 | 0 | 0-3 | 0 | Y | 5 | Shannon Shaffer | 6 of 6 | Pairs 01, 02 , 03, and 04 observed in same locations. Pair 05 observed in same location along with fledglings. |
| 6/23/2010 | MS 047, 048 | 0730-0945 | 59/ 68 | 0 | 1-3 | 0 | N | 0 | Travis Cooper | 5 of 6 | |
| 6/24/2010 | MS 047, 048 | 0618-1050 | 64/ 78 | 0 | 1-3 | 0 | N | 0 | Kris Alberts | 5 of 6 | Repeated survey - no CAGN observed or heard vocalizing |
| 6/28/2010 | MS 005 | 0850-0940 | 67/ 70 | 40 | 0-2 | 0 | N | 0 | Kris Alberts | 5 of 6 | No CAGN observed or heard vocalizing |
| 6/29/2010 | MS 047, 048 | 0815-0955 | 65/ 72 | 20-100% | 0-2 | 0 | N | 0 | Travis Cooper | 6 of 6 | |
| 7/6/2010 | MS 005 | 1110-1148 | 76/ 76 | 0 | 1-4 | 0 | N | 0 | Kris Alberts, Paul Morrissey | 6 of 6 | No CAGN observed or heard vocalizing |
| 7/13/2010 | MS 047, 048 | 0620- | 63/ | 100 | 0-1 | 0 | N | 0 | Kris Alberts, Paul Morrissey | 6 of 6 | Repeated survey - No CAGN observed or heard vocalizing |



APPENDIX D – SIGNATURE PAGES



**COASTAL CALIFORNIA GNATCATCHER
(*Polioptila californica californica*)
FOCUSED SURVEY REPORT
FOR THE SAN DIEGO GAS & ELECTRIC
CLEVELAND NATIONAL FOREST
MASTER SERVICES PERMIT PROJECT
SAN DIEGO COUNTY, CALIFORNIA**

Prepared for:

**SAN DIEGO GAS & ELECTRIC
8315 Century Park Court, CP21G
San Diego, Ca 92123-1548
(858) 637-3708**

Prepared by:

**CHAMBERS GROUP, INC.
9909 Huennekens Street
San Diego, California 92121
(858) 541-2800**

February 2011

The undersigned certify this report to be a complete and accurate account of the findings and conclusions of focused surveys for coastal California gnatcatcher (*Polioptila californica californica*) conducted during the spring of year 2010, within suitable CAGN habitat on the San Diego Gas & Electric Cleveland National Forest Master Services Permit Project, San Diego County, California.

Travis Cooper

NAME (PLEASE PRINT)


SIGNATURE

March 8, 2011

DATE

9909 Huennekens Street, San Diego, California 92121

ADDRESS

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(*Polioptila californica californica*)
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Shannan Shaffer

NAME (PLEASE PRINT)



SIGNATURE

March 8, 2011

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Kris Alberts

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SIGNATURE

March 8, 2011

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