



PROTOCOL-LEVEL BLUNT-NOSED LEOPARD LIZARD SURVEY REPORT

ICF - SCE – GORMAN KERN RIVER PROJECT

Prepared by: MESA Biological LLC

Prepared for: Shelleena Pernot – Environmental Senior Manager - ICF

Date: November 29, 2023

SECTION 1.0 - PROPERTY DETAILS AND LOCATION

1.1 Project Details			
Client:	ICF - Southern California Edison	Project Name:	Gorman to Kern River Project
Project Contact:	Shelleena Pernot		
Brief Project Description: Southern California Edison's (SCE) Gorman Kern River Project coordinated through ICF are implementing work activities that will include removing and replacing towers to support high-capacity overhead transmission lines. Project work will take place in areas of the southern San Joaquin Valley floor within historic ranges of several protected endemic species including the Federally Endangered and State Endangered/Fully Protected Blunt-nosed Leopard Lizard.			

1.2 Public Land Survey System (PLSS) / CalGEM Oilfield and Land Ownership			
Section, Township, Range, Meridian:			
Base of Grapevine: Sec 00, T10N, R19W	Bena Flats: Sec 01, T29S, R29E Sec 06, T30S, T30E	Breckenridge: Sec 13, T29S, R30E Sec 24, T29S, R30E	Comanche Point Front: Sec 00, T23S, R29E
Comanche T-Segment: Sec 00, T32A, R30E	Rio Bravo Flat: Sec 06, T29S, R30E	Sandridge: Sec 25, T30S, R30E Sec 30, T30S, R30E	

1.3 Description of Survey Focus Areas			
Base of Grapevine: 47.56 acres	Bena Flats: 16.07 acres	Breckenridge: 8.80 acres	Comanche Point Front: 31.37 acres
Comanche T-Segment: 22.82 acres	Rio Bravo Flat: 2.72 acres	Sandridge: 4.09 acres	
Total Acres Surveyed: 133.33			
Description of Focus Areas: In collaboration with ICF, using routing maps and files provided, MESA Biological LLC (MESA) evaluated the transmission line route to determine survey focus areas to conduct protocol level blunt-nosed leopard lizard surveys. The overall focus areas consisted of approximately 133.33 acres of primarily undisturbed land. This included 7 properties located in the southern Kern County area along the Gorman to Kern River transmission line route. In determining the survey focus areas, terrain was accounted for as blunt nosed leopard lizards are commonly absent from steep sloping terrain and hillsides. Other constraints such as developed infrastructure, cattle grazed			

pastureland, and active agricultural lands were omitted from small segments within the focus areas. Focus survey areas are presented in **Attachment A Survey Focus Area Maps** which provide a visual overview of the entire scope of the project area along with areas of specific individual properties. The blue polygon represents areas covered within the survey. Worksites outside of the polygon indicates that portion of the survey was excluded due to the constraints listed above.

SECTION 2.0 - METHODOLOGIES AND DATA COLLECTION

2.1 Survey Methodologies

Description of Methodologies:

Prior to protocol surveys, ICF provided project routing maps including location of transmission line towers and proposed work sites. MESA Biological LLC (MESA) began to create a scope of work based on visual assessment of suitable blunt nose leopard lizard habitat as briefly discussed in Section 1.3. Key factors such as vegetation height and shrub density were recorded throughout survey areas to determine transect spacing. CDFW protocol states "BNLL are often difficult to detect, particularly in areas where shrubs are fairly numerous (>30% cover) and/or the herbaceous vegetation is dense and tall (>30 cm). In such conditions, no greater than 10-meter-wide transects should be walked at a slow pace. In areas with few shrubs and shorter herbaceous vegetation (<10cm), transects as wide as 20 meters are acceptable". After analyzing habitat at the survey properties, MESA determined that the grass and other herbaceous vegetation was too tall and dense for 20 meter transects and exceeded the threshold stated in CDFW protocol. It was concluded that 10 meter wide transects would suffice protocol requirements, ensure visual coverage, and provide the surveyor a greater opportunity for blunt nose leopard lizard detection. Walking transects were conducted in a north/south orientation to minimize glare, however, portions in some segments required alternate directions.

Prior to initiating surveys, MESA estimated that 2-5 surveyors would be required to adequately cover and complete each of the 7 survey properties using 10 meters transect spacing. Once surveys began, many factors would influence the number of surveyors required to complete surveys. Due to environmental circumstances, size variation in survey area coverage, and groups covering multiple properties in a single survey day, the average number of surveyors would fluctuate daily. Using pre-determined survey boundary areas, 10 meter transects were created using ESRI's ArcGIS and uploaded to ESRI'S FieldMaps. Surveyors referenced and streamed their transect lines daily to ensure adequate survey coverage. Before the start of each survey day, a crew lead (Level II Surveyor) was assigned to a crew and was responsible for data collection and safety procedures described in Section 2.2

Surveys were completed in accordance with all protocol requirements listed in the 2019 California Department of Fish and Wildlife's Approved Survey Methodology for the Blunt-Nosed Leopard Lizard.

2.2 Data Collection Procedures

The selected crew lead oversaw collecting key survey data including temperature, time, wind speed, and cloud cover at the start and end of each survey using ESRI's Survey 123. A record of all common lizard species along with incidental/sensitive species were logged after the end of each transect. ArcGIS field maps was used to mark the location of sensitive features and special-status species found during surveys including potential kit fox dens (PKFD) and active bird nests. Surveyors also used field maps to stream their transects which ensured adequate survey area coverage. At the end of each survey day, the crew lead was responsible for submitting a raw data form to Survey 123 and a MESA finalized datasheet (**Attachment B – MESA Biological Datasheets – Gorman to Kern River Project**).

2.3 Survey Dates Protocol Survey Requirements

All survey dates and protocol requirements have been summarized in **Attachment C – Protocol Blunt-Nosed Leopard Lizard Summary Results Table**. One summary table for each of the 7 survey areas have been provided.

2.4 List of Surveyor Levels

A list of all surveyor's names and levels can be found in **Attachment C – Protocol Blunt-Nosed Leopard Lizard Summary Results Table**.

SECTION 3.0 HABITAT IDENTIFIED

3.1 Habitat Communities Present in Survey Focus Areas

The habitat community found in a majority of the survey focus areas is a mixture of non-native grasses with very few to no shrubs present. Survey areas varied in terrain with some being relatively flat to gently sloping hills. Most survey focus areas consisted of cattle grazed, non-native grasslands mixed with previously disturbed dirt access roadways along the transmission tower route.

3.2 General Habitat Characteristics, Land Uses, Habitat Suitability Analysis

Base of Grapevine: mostly flat terrain with the California aqueduct running through the northern portion and a few ephemeral streams in the southern area of the survey. Some infrastructure is present with dirt roads running parallel with the transmission line. The vegetation community is a mixture of non-native grasses and forbs.

Bena Flats: variable terrain with the southern half being relatively flat. As the survey focus area progressed north, the slope gradually increased into steeper hillsides. (See **Photograph 2**). Vegetation communities included a mixture non-native grasses and weedy vegetation. Active cattle grazing and pastures were present east and in a small portion of the southern survey area. Similar to Base of Grapevine survey, the survey transects followed transmission lines.

Breckenridge: similar to Bena Flats, this survey focus area also has variable terrain with mild sloping hillsides that become steeper as you progress north. A small intermittent waterway located in the northern area also intersected through the survey area. Survey transects followed the transmission line as well. Vegetation community consisted of mixture of non-native grasses mixed with some weedy vegetation.

Comanche Point Front: mostly flat terrain with steep hills located east of the survey focus area along with a waterway that intersected through the middle of the survey area. California aqueduct also intersected the northern survey portion. Vegetation community consisted of non-native grasses, weedy plants, with sporadic *Atriplex* sp. and bladderpod (*Peritoma arborea*) shrubs. Some infrastructure was present including dirt roads, barbed wire fencing, and the transmission line.

Comanche T-Segment: variable terrain similar to Bena Flats with the western portion being relatively flat. As the survey progressed east, slope gradually increased into rugged steep hills resulting in a small area to be excluded due to unsuitable habitat. (See **Photograph 5**). Vegetation community was dominantly non-native grassland. A cement lined canal intersected through the survey focus area and a majority of the segment is used for cattle grazing. Some mild infrastructure was present including roads, wire fencing, and the transmission line.

Rio Bravo Flat: vegetation communities present included non-native grasslands, all scale scrub, and weedy vegetation. A large agave field intersected through the middle of the survey and was avoided during transects. A steep wash also intersected through the survey area. (See **Photograph 6**).

Sandridge: Three small segments of land were surveyed in this focus area. Each contained variable terrain ranging from relatively flat to small gradual hills. Vegetation communities present included non-native grasslands with some and shrub cover.

SECTION 4.0 - SITE PHOTOGRAPHS

4.1 Photographic Site Conditions



Photograph 1 – Base of Grapevine: was taken facing south overlooking the transmission tower lines and a dirt road paralleling the survey area. Photo illustrates non-native grasslands found throughout the focus area.



Photograph 2 – Bena Flats: was taken facing north. Photo illustrates more rugged with steep slopes further north. Heavily grazed pasture land was present east of the survey area as well.



Photograph 3 - Breckenridge: was taken near the midpoint facing south. Photo illustrates non-native grasslands and scattered shrub cover.



Photograph 4 - Breckenridge: photo illustrates the variable terrain along with the intermittent waterway that intersects survey area.



Photograph 5 - Comanche Point Front: illustrates mostly non-native grasses and weedy plants. A small area was excluded due to the steep terrain of the hills pictured to the right.



Photograph 6 - Comanche T Segment: was taken near the midpoint facing east and illustrates mostly non-native grasslands and weedy plants. A small portion of the survey area was excluded due to the rugged and steep hillside as the survey progressed east.



Photograph 7 - Rio Bravo Flat: illustrates nonnative grasses including scattered areas of shrubs and weedy vegetation. Small portion of survey area included agricultural land which was avoided.



Photograph 8 - Sandridge: was taken near the midpoint of survey focus area facing north. Photograph shows mixture of non-native grasslands, weedy plants and some Atriplex sp. shrub cover in the distance.

SECTION 5.0 - OTHER SPECIAL-STATUS SPECIES IDENTIFIED

5.1 Other Special Status Species or Nesting Birds Observed During the Field Survey

Common Name	Scientific Name	Status:	Coordinates (Lat/Long – Decimal Degrees)
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San Joaquin coachwhip	<i>Masticophis flagellum ruddocki</i>	California Species of Special Concern	(1)35,131848, -118.837864 (2)35.173092, -118.787241
Additional Comments: Two San Joaquin coachwhips were observed throughout the survey season. One individual was found on Comanche Point Front and the other on Comanche T-Segment.			

SECTION 6.0 - OTHER COMMON SPECIES IDENTIFIED

6.0 List of Common Species Observed During Surveys	
Scientific Name:	Common Name:
Birds	
<i>Artemisiospiza belli</i>	Bell's sparrow
<i>Buteo jamaicensis</i>	red-tailed hawk
<i>Callipepla californica</i>	valley quail
<i>Cathartes aura</i>	turkey vulture
<i>Charadrius californianus</i>	killdeer
<i>Chondestes grammacus</i>	lark sparrow
<i>Columba livia</i>	rock pigeon
<i>Corvus corax</i>	common raven
<i>Falco sparverius</i>	American kestrel
<i>Geococcyx californicus</i>	greater roadrunner
<i>Haemorhous mexicanus</i>	house finch
<i>Mimus polyglottos</i>	northern mockingbird
<i>Passerina caerulea</i>	blue grosbeak
<i>Petrochelidon pyrrhonata</i>	cliff swallow
<i>Sayorins nigricans</i>	black phoebe
<i>Setophaga petechia</i>	yellow warbler
<i>Streptopelia decaocto</i>	Eurasian collared dove
<i>Sturnella neglecta</i>	western meadowlark
<i>Sturnus vulgaris</i>	European starling
<i>Turdus merula</i>	common blackbird
<i>Tyrannus verticalis</i>	western kingbird
<i>Zenaida macroura</i>	mourning dove
Mammals	
<i>Bos taurus</i>	cattle
<i>Canis latrans</i>	coyote
<i>Canis lupis familiaris</i>	domestic dog
<i>Dipodomys sp.</i>	kangaroo rat
<i>Equus caballus</i>	horse
<i>Lepus californicus</i>	black-tailed jackrabbit
<i>Otospermophilus beecheyi</i>	California ground squirrel
<i>Sylvilagus audubonii</i>	desert cottontail
Reptiles	
<i>Aspidoscelis tigris</i>	western whiptail lizard
<i>Crotalus oreganus</i>	northern pacific rattlesnake
<i>Pituophis cateniger</i>	gopher snake
<i>Sceloporus occidentalis</i>	western fence lizard
<i>Uta stansburiana</i>	side blotched lizard

SECTION 7.0 – SUMMARY OF RESULTS AND DISCUSSION

7.1 Protocol Level Blunt-Nosed Leopard Lizard Results Summary

After completing protocol level surveys covering all seven focus areas, no blunt-nosed leopard lizards were detected. A list of species identified during each day of survey is presented below within the individual daily datasheets. A list of species identified throughout the entire survey effort can be found above in Section 6.0. Other common lizard species identified included, side blotched lizards (*Uta Stansburiana*), western whiptail lizard (*Aspidoscelis tigris*), and the western fence lizard (*Sceloporus occidentalis*). The total number of common lizard species for each survey day can be found in Attachment B.

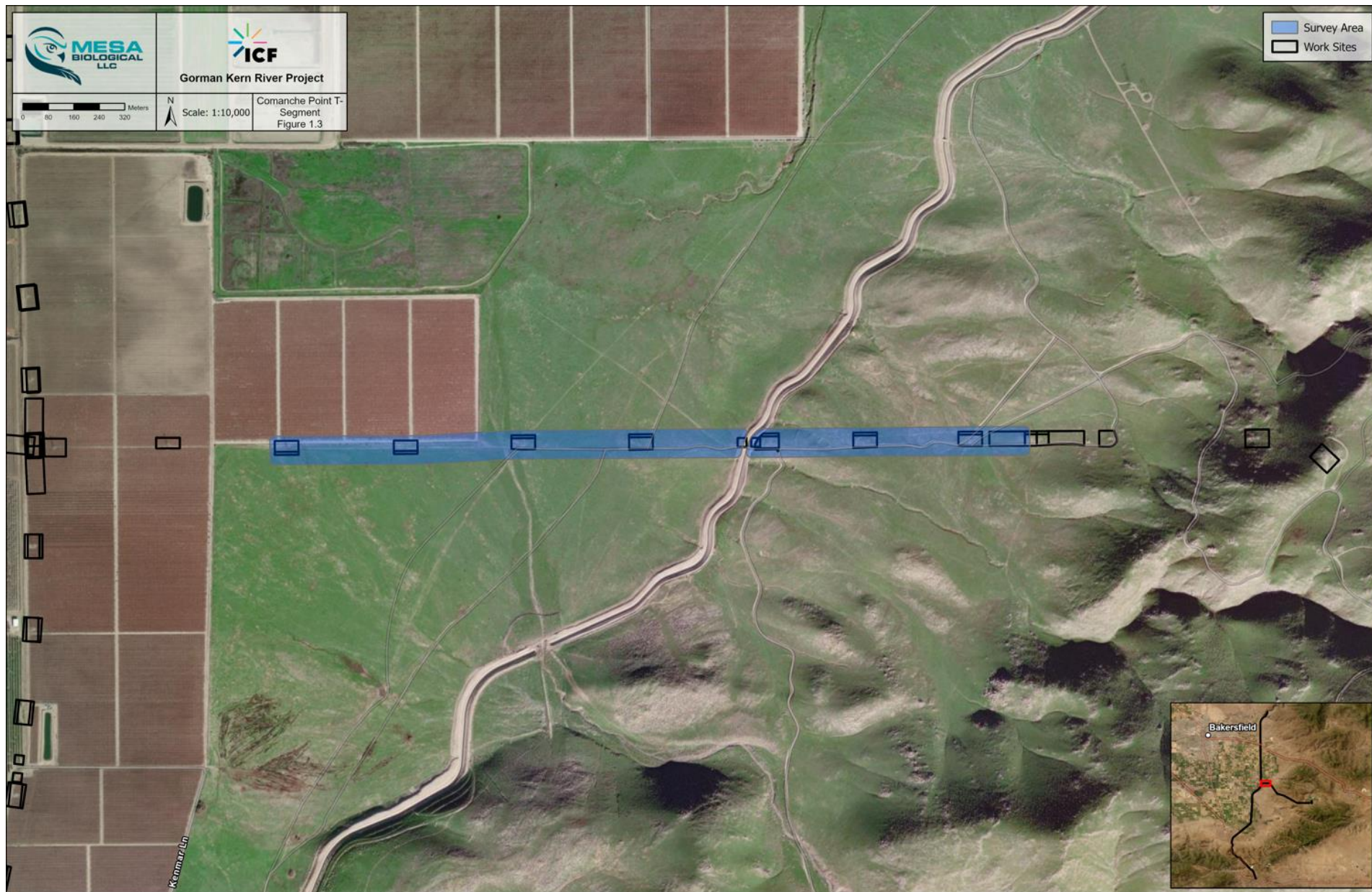
7.2 Results Discussion

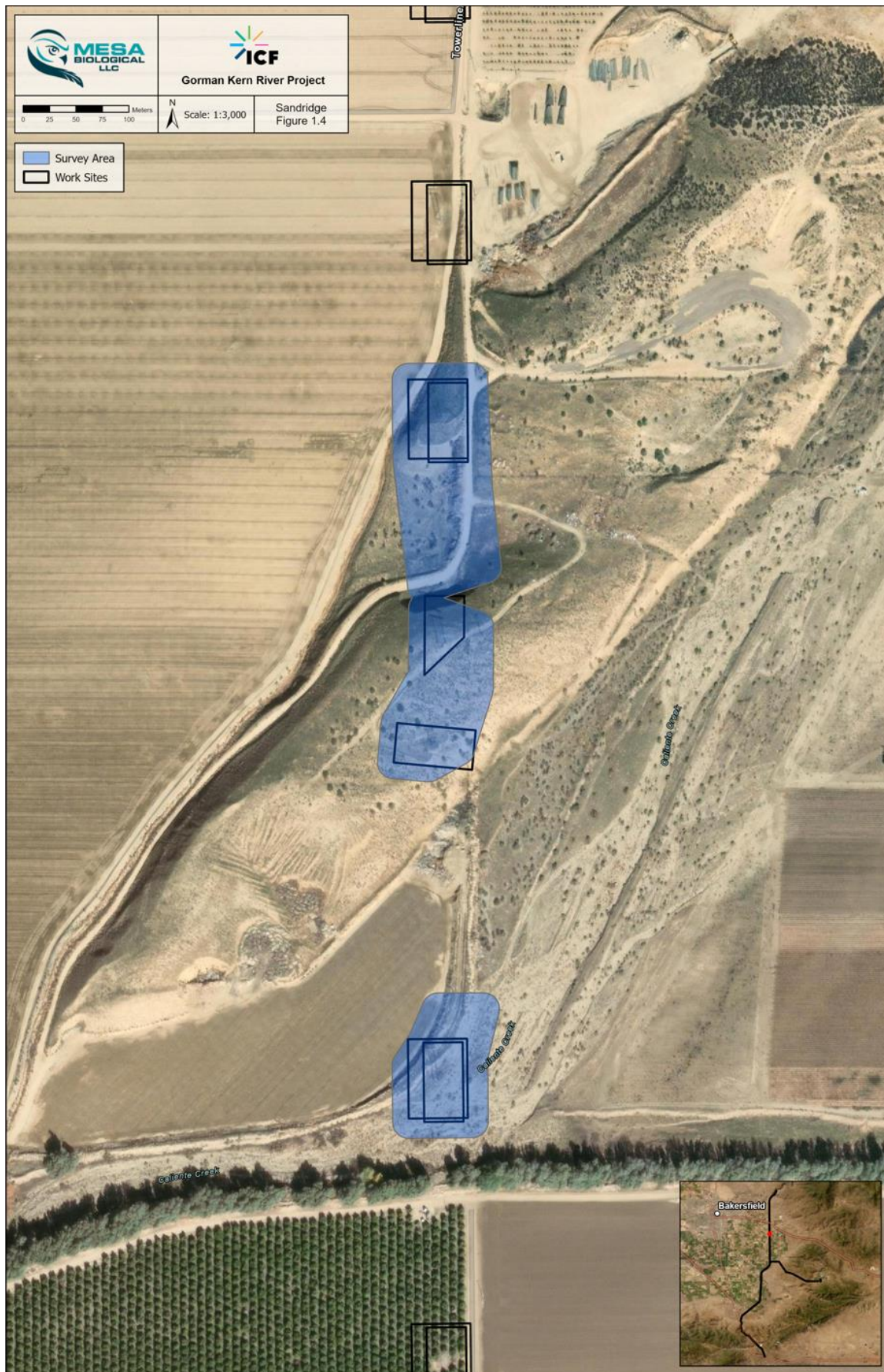
Prior to initiating protocol level blunt-nosed leopard lizard surveys, a query of the CDFW California Natural Diversity Database was completed to identify historical occurrences of this species near the transmission line focus areas. Historical occurrences were identified, specifically in proximity to the Comanche Point Front, Comanche T-Segment and Base of Grapevine focus areas within the Tejon Hills, Arvin and Grapevine USGS 7.5-minute quadrangles. Availability of general habitat resources and conditions may influence the population density and population resiliency of the blunt-nosed leopard lizard. These include ample burrows for shelter, brumation and female egg laying, presence or absence of patchy habitat within areas of low relief and ample food source. These resources and conditions can be significantly influenced by environmental factors such as excessive precipitation and flood events and alternatively during years of drought. Although no blunt-nosed leopard lizards were identified, this may have been a result of a decrease in population size based on environmental factors. Future protocol level blunt-nosed leopard lizard surveys may result in the positive identification of this species; however, at this time, no blunt-nosed leopard lizards were detected.

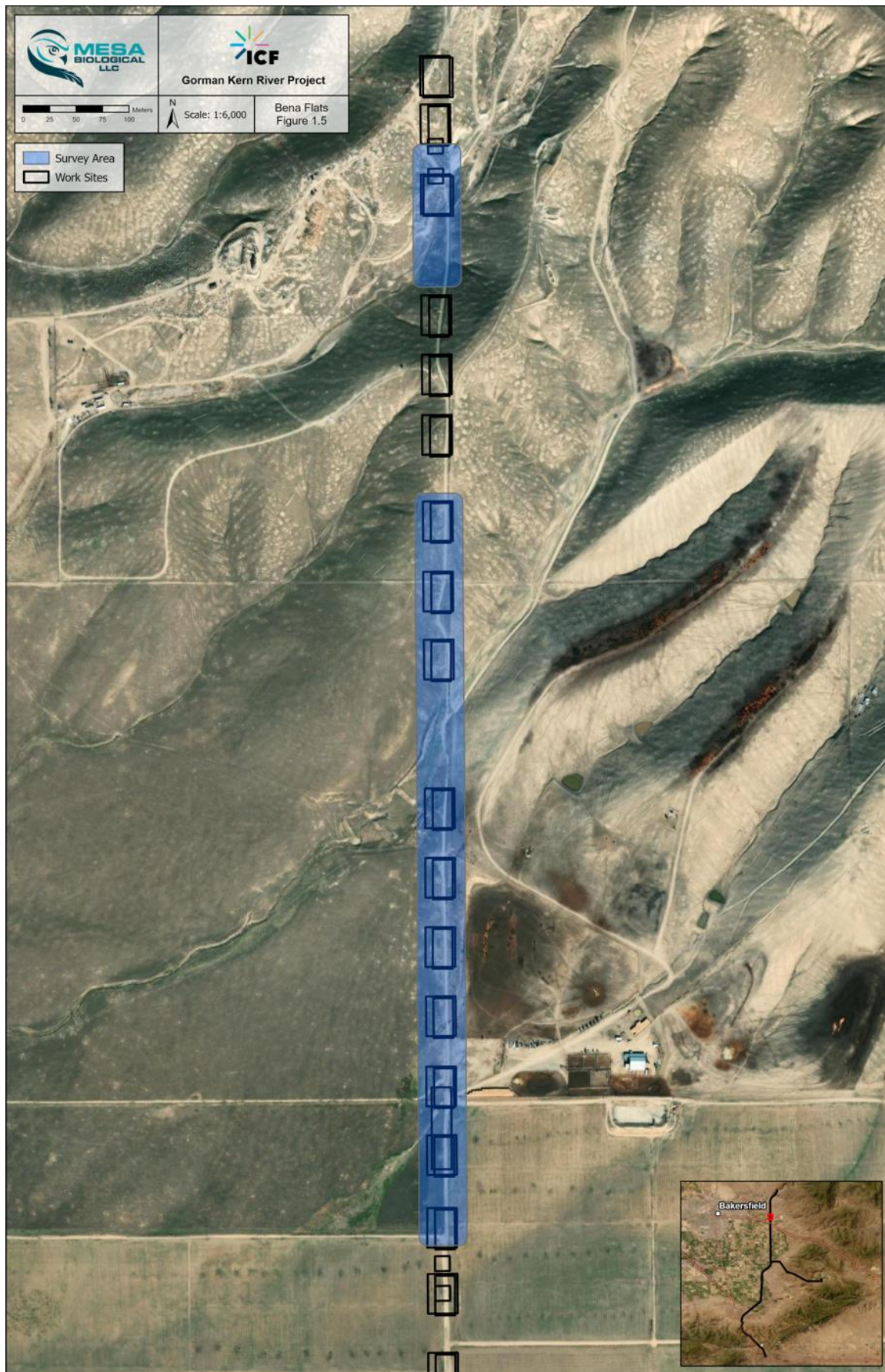
Attachment A: Survey Focus Areas Maps

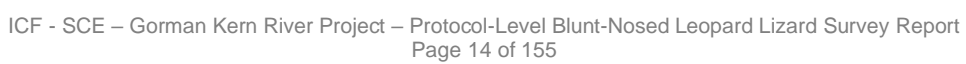














Attachment B: Mesa Biological LLC Datasheets – Gorman to Kern River Project

Mesa Biological LLC Datasheets – Gorman to Kern River Project - Base of Grapevine



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 1

Survey Information

Survey Date:	Client:	Location:	Project:
May 28, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:34am	End Time:	12:55pm
Start Temperature (°F):	82.7°F	End Temperature (°F):	90.0°F
Start Cloud Cover:	1%	End Cloud Cover:	4%
Wind Speed:	2.7mph	Wind Speed:	0.8mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	3
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	desert cottontail	<i>Sylvilagus audubonii</i>
western kingbird	<i>Tyrannus verticalis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 2

Survey Information

Survey Date:	Client:	Location:	Project:
June 3, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Jordyn Pendola	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:39am	End Time:	12:54pm
Start Temperature (°F):	81.2°F	End Temperature (°F):	92.8°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	0.7mph	Wind Speed:	4.4mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 3

Survey Information

Survey Date:	Client:	Location:	Project:
June 4, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Jordyn Pendola	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:17am	End Time:	11:25am
Start Temperature (°F):	79.9°F	End Temperature (°F):	93.2°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	2.8mph	Wind Speed:	1.5mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	17
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 4

Survey Information

Survey Date:	Client:	Location:	Project:
June 5, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Karla Lopez	Level II
Rory Miller	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:42am	End Time:	12:06pm
Start Temperature (°F):	81.0°F	End Temperature (°F):	88.4°F
Start Cloud Cover:	40%	End Cloud Cover:	50%
Wind Speed:	3.4mph	Wind Speed:	5.7mph
Weather Summary:	Sunny, partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	killdeer	<i>Charadrius vociferus</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	western meadowlark	<i>Sturnella neglecta</i>
western kingbird	<i>Tyrannus verticalis</i>	northern mockingbird	<i>Mimus polyglottos</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	coyote	<i>Canis latrans</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 5

Survey Information

Survey Date:	Client:	Location:	Project:
June 6, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	10:59am	End Time:	1:39pm
Start Temperature (°F):	78.1°F	End Temperature (°F):	81.9°F
Start Cloud Cover:	65%	End Cloud Cover:	70%
Wind Speed:	1.0mph	Wind Speed:	2.4mph
Weather Summary:	partly cloudy skies, overcast		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 6

Survey Information

Survey Date:	Client:	Location:	Project:
June 10, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Jordyn Pendola	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:45am	End Time:	11:31am
Start Temperature (°F):	79.7°F	End Temperature (°F):	86.8°F
Start Cloud Cover:	50%	End Cloud Cover:	60%
Wind Speed:	1.4mph	Wind Speed:	1.8mph
Weather Summary:	Partly cloudy, sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	8
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 7

Survey Information

Survey Date:	Client:	Location:	Project:
June 22, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Paul Rosebush	Level II
Joey McFaddin	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:28am	End Time:	12:20pm
Start Temperature (°F):	82.4°F	End Temperature (°F):	84.6°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.2mph	Wind Speed:	5.8mph
Weather Summary:	Sunny		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	cliff swallow	<i>Petrochelidon pyrrhonota</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
American kestrel	<i>Falco sparverius</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 8

Survey Information

Survey Date:	Client:	Location:	Project:
June 24, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Paul Rosebush	Level II
Rodney Aguirre	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:20am	End Time:	12:05pm
Start Temperature (°F):	78.2°F	End Temperature (°F):	88.4°F
Start Cloud Cover:	35%	End Cloud Cover:	50%
Wind Speed:	0.1mph	Wind Speed:	1.2mph
Weather Summary:	Sunny, partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	western kingbird	<i>Tyrannus verticalis</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
cliff swallow	<i>Petrochelidon pyrrhonota</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 9

Survey Information

Survey Date:	Client:	Location:	Project:
June 30, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Rory Aguirre	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	10:49am
Start Temperature (°F):	81.9°F	End Temperature (°F):	93.2°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	2.1mph	Wind Speed:	3.6mph
Weather Summary:	Sunny		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	11
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 10

Survey Information

Survey Date:	Client:	Location:	Project:
July 2, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Samantha Medellin	Level II
Josue Leyva	Level I
Jordyn Pendola	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	9:26am
Start Temperature (°F):	89.7°F	End Temperature (°F):	94.9°F
Start Cloud Cover:	2%	End Cloud Cover:	5%
Wind Speed:	2.6mph	Wind Speed:	1.9mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	17
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 11

Survey Information

Survey Date:	Client:	Location:	Project:
July 3, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Rodney Aguirre	Level II
Rory Miller	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	9:23am
Start Temperature (°F):	89.9°F	End Temperature (°F):	93.8°F
Start Cloud Cover:	2%	End Cloud Cover:	5%
Wind Speed:	1.7mph	Wind Speed:	1.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	11
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 12

Survey Information

Survey Date:	Client:	Location:	Project:
July 7, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:30am	End Time:	11:36am
Start Temperature (°F):	88.0°F	End Temperature (°F):	92.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	2.5mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	14
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
common raven	<i>Corvus corax</i>	mourning dove	<i>Zenaida macroura</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 13

Survey Information

Survey Date:	Client:	Location:	Project:
August 28, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Joey McFaddin	Level II
Samantha Medellin	Level II
Rory Miller	Level II
Dorothy Tran	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:30am	End Time:	10:16am
Start Temperature (°F):	77.0°F	End Temperature (°F):	84.9°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	1.0mph	Wind Speed:	0.7mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	34
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 14

Survey Information

Survey Date:	Client:	Location:	Project:
August 30, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Karla Lopez	Level II
Joey McFaddin	Level II
Rory Miller	Level II
Dorothy Tran	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:34am	End Time:	10:21am
Start Temperature (°F):	78.0°F	End Temperature (°F):	81.3°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	1.0mph	Wind Speed:	1.7mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	15
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	mourning dove	<i>Zenaida macroura</i>
greater roadrunner	<i>Geococcyx californianus</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 15

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 8, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rory Miller	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:22am	End Time:	10:39am
Start Temperature (°F):	77.5°F	End Temperature (°F):	82.3°F
Start Cloud Cover:	15%	End Cloud Cover:	20%
Wind Speed:	1.1mph	Wind Speed:	3.2mph
Weather Summary:	Sunny skies, partly cloudy		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	29
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	cow	<i>Bos taurus</i>
western meadowlark	<i>Sturnella neglecta</i>	desert cottontail	<i>Sylvilagus audubonii</i>
mourning dove	<i>Zenaida macroura</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 16

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 17, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Joey McFaddin	Level II
Rodney Aguirre	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:16am	End Time:	11:15am
Start Temperature (°F):	77.0°F	End Temperature (°F):	80.2°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	0.8mph	Wind Speed:	1.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	30
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	Bell's sparrow	<i>Artemisiospiza belli</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 17

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 23, 2023	ICF - SCE	Arvin, Kern County, CA	Base of Grapevine

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Joey McFaddin	Level II
Rodney Aguirre	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:00am	End Time:	11:00am
Start Temperature (°F):	77.8°F	End Temperature (°F):	80.2°F
Start Cloud Cover:	10%	End Cloud Cover:	10%
Wind Speed:	0.9mph	Wind Speed:	2.1mph
Weather Summary:	Sunny skies, rain		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	25
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
Northern pacific rattlesnake	<i>Crotalus oreganus</i>		

Mesa Biological LLC Datasheets – Gorman to Kern River Project - Bena Flats



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 1

Survey Information

Survey Date:	Client:	Location:	Project:
June 1, 2023	ICF / SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Jeff Frank Solorzano	Level II
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	12:55pm	End Time:	1:45pm
Start Temperature (°F):	88.6°F	End Temperature (°F):	92.7°F
Start Cloud Cover:	20%	End Cloud Cover:	20%
Wind Speed:	7.8mph	Wind Speed:	4.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	cow	<i>Bos taurus</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	yellow warbler	<i>Setophaga petechia</i>
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 2

Survey Information

Survey Date:	Client:	Location:	Project:
June 2, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rory Miller	Level II
Rodney Aguirre	Level II
Karla Lopez	Level II
Josue Leyva	Level I
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	11:50am	End Time:	1:12pm
Start Temperature (°F):	82.5°F	End Temperature (°F):	86.2°F
Start Cloud Cover:	1%	End Cloud Cover:	0%
Wind Speed:	1.3mph	Wind Speed:	1.4mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	western meadowlark	<i>Sturnella neglecta</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	mourning dove	<i>Zenaida macroura</i>
black-tailed jackrabbit	<i>Lepus californicus</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 3

Survey Information

Survey Date:	Client:	Location:	Project:
June 3, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rory Miller	Level II
Rodney Aguirre	Level II
Samantha Medellin	Level II
Jeffrank Solorzano	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	12:28pm	End Time:	1:35pm
Start Temperature (°F):	86.9°F	End Temperature (°F):	91.1°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	1.8mph	Wind Speed:	1.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
none	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	western kingbird	<i>Tyrannus verticalis</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
black-tailed jackrabbit	<i>Lepus californicus</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 4

Survey Information

Survey Date:	Client:	Location:	Project:
June 4, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rory Miller	Level II
Karla Lopez	Level II
Samantha Medellin	Level II
Jaden Drake	Level I
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	10:56am	End Time:	12:00pm
Start Temperature (°F):	88.5°F	End Temperature (°F):	90.5°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	1.3mph	Wind Speed:	1.7mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
none	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	western kingbird	<i>Tyrannus verticalis</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	red-tailed hawk	<i>Buteo jamaicensis</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 5

Survey Information

Survey Date:	Client:	Location:	Project:
June 9, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:35am	End Time:	10:30am
Start Temperature (°F):	80.2°F	End Temperature (°F):	80.9°F
Start Cloud Cover:	15%	End Cloud Cover:	10%
Wind Speed:	3.7mph	Wind Speed:	3.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	3
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
none	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 6

Survey Information

Survey Date:	Client:	Location:	Project:
June 19, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Paul Rosebush	Level II
Rodney Aguirre	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:32am	End Time:	10:10am
Start Temperature (°F):	77.0°F	End Temperature (°F):	79.5°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	2.8mph	Wind Speed:	4.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	cliff swallow	<i>Petrochelidon pyrrhonota</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	house finch	<i>Haemorhous mexicanus</i>
western kingbird	<i>Tyrannus verticalis</i>	pigeon	<i>Columba livia</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	turkey vulture	<i>Cathartes aura</i>
black-tailed jackrabbit	<i>Lepus californicus</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman tp Kern River Project - Survey Day 7

Survey Information

Survey Date:	Client:	Location:	Project:
June 20, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Samantha Medellin	Level II
Rodney Aguirre	Level II
Dorothy Tran	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	11:30am	End Time:	12:10pm
Start Temperature (°F):	77.0°F	End Temperature (°F):	82.3°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	4.0mph	Wind Speed:	5.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	common raven	<i>Corvus corax</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 8

Survey Information

Survey Date:	Client:	Location:	Project:
June 28, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	11:05am	End Time:	12:08pm
Start Temperature (°F):	88.1°F	End Temperature (°F):	92.8°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	2.2mph	Wind Speed:	5.5mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	1
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 9

Survey Information

Survey Date:	Client:	Location:	Project:
July 1, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Paul Rosebush	Level II
Jaden Drake	Level I
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:04am	End Time:	9:55am
Start Temperature (°F):	91.5°F	End Temperature (°F):	94.8°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	3.6mph	Wind Speed:	3.8mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	6
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	western kingbird	<i>Tyrannus verticalis</i>
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 10

Survey Information

Survey Date:	Client:	Location:	Project:
July 3, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Karla Lopez	Level II
Samantha Medellin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	9:00am
Start Temperature (°F):	89.2°F	End Temperature (°F):	94.6°F
Start Cloud Cover:	10%	End Cloud Cover:	10%
Wind Speed:	1.0mph	Wind Speed:	1.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	mourning dove	<i>Zenaidura macroura</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	turkey vulture	<i>Cathartes aura</i>
western kingbird	<i>Tyrannus verticalis</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
western meadowlark	<i>Sturnella neglecta</i>	black-tailed jackrabbit	<i>Lepus californicus</i>
house finch	<i>Haemorrhous mexicanus</i>	desert cottontail	<i>Sylvilagus audubonii</i>
black phoebe	<i>Sayornis nigricans</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 11

Survey Information

Survey Date:	Client:	Location:	Project:
July 10, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:25am	End Time:	9:58am
Start Temperature (°F):	77.3°F	End Temperature (°F):	79.3°F
Start Cloud Cover:	0%	End Cloud Cover:	10%
Wind Speed:	4.4mph	Wind Speed:	0.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 12

Survey Information

Survey Date:	Client:	Location:	Project:
July 14, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Samantha Medellin	Level II
Jeffrank Solorzano	Level II
Dorothy Tran	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:33am	End Time:	9:15am
Start Temperature (°F):	83.8°F	End Temperature (°F):	86.0°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	2.6mph	Wind Speed:	2.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
common raven	<i>Corvus corax</i>	house finch	<i>Haemorhous mexicanus</i>
western meadowlark	<i>Sturnella neglecta</i>	cow	<i>Bos taurus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 13

Survey Information

Survey Date:	Client:	Location:	Project:
August 19, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Rodney Aguirre	Level II
Josue Leyva	Level I
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	08:45am
Start Temperature (°F):	85.2°F	End Temperature (°F):	86.3°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.8mph	Wind Speed:	2.2mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	9
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	desert cottontail	<i>Sylvilagus audubonii</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	common raven	<i>Corvus corax</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 14

Survey Information

Survey Date:	Client:	Location:	Project:
August 27, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Rodney Aguirre	Level II
Rory Miller	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:30am	End Time:	9:15am
Start Temperature (°F):	85.1°F	End Temperature (°F):	86.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	1.8mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	10
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
Black-tailed jackrabbit	<i>Lepus californicus</i>	cow	<i>Bos taurus</i>
cottontail rabbit	<i>Lepus sylvaticus</i>	common raven	<i>Corvus corax</i>
coyote	<i>Canis latrans</i>	horse	<i>Equus ferus caballus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 15

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 6, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Joey McFaddin	Level II
Rory Miller	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	10:00am	End Time:	10:41am
Start Temperature (°F):	81.0°F	End Temperature (°F):	83.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	2.0mph	Wind Speed:	1.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	6
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
black-tailed jackrabbit	<i>Lepus californicus</i>	cow	<i>Bos taurus</i>
cottontail rabbit	<i>Lepus sylvaticus</i>	common raven	<i>Corvus corax</i>
coyote	<i>Canis latrans</i>	Eurasian collared dove	<i>Streptopelia decaocto</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 16

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 17, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Samantha Medellin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:35am	End Time:	10:23am
Start Temperature (°F):	78.0°F	End Temperature (°F):	82.9°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	1.7mph	Wind Speed:	1.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 17

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 23, 2023	ICF - SCE	Arvin, Kern County, CA	Bena Flats

Surveyors

Name:	Surveyor Qualifications:
Samantha Medellin	Level II
Karla Lopez	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:40am	End Time:	9:37am
Start Temperature (°F):	77.1°F	End Temperature (°F):	80.3°F
Start Cloud Cover:	20%	End Cloud Cover:	15%
Wind Speed:	3.0mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	6
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	cow	<i>Bos taurus</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	common raven	<i>Corvus corax</i>
American kestrel	<i>Falco sparverius</i>		

Mesa Biological LLC Datasheets – Gorman to Kern River Project - Breckenridge



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 1

Survey Information

Survey Date:	Client:	Location:	Project:
May 26, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	11:35am	End Time:	12:20pm
Start Temperature (°F):	80.1°F	End Temperature (°F):	85.1°F
Start Cloud Cover:	40%	End Cloud Cover:	20%
Wind Speed:	2.1mph	Wind Speed:	3.1mph
Weather Summary:	Partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
killdeer	<i>Charadrius vociferus</i>	yellow warbler	<i>Setophaga petechia</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 2

Survey Information

Survey Date:	Client:	Location:	Project:
June 3, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Samantha Medellin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	10:11am	End Time:	10:56am
Start Temperature (°F):	81.2°F	End Temperature (°F):	86.6°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	2.5mph	Wind Speed:	0.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
killdeer	<i>Charadrius vociferus</i>	red-tailed hawk	<i>Buteo jamaicensis</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 3

Survey Information

Survey Date:	Client:	Location:	Project:
June 4, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Samantha Medellin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	08:52am	End Time:	09:36am
Start Temperature (°F):	82.1°F	End Temperature (°F):	88.4°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	6.5mph	Wind Speed:	5.4mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	3
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
turkey vulture	<i>Cathartes aura</i>	common black bird	<i>Turdus merula</i>
domestic dog	<i>Canis lupis familiaris</i>	killdeer	<i>Charadrius vociferus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 4

Survey Information

Survey Date:	Client:	Location:	Project:
June 5, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Samantha Medellin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:01am	End Time:	10:01am
Start Temperature (°F):	85.2°F	End Temperature (°F):	86.2°F
Start Cloud Cover:	40%	End Cloud Cover:	55%
Wind Speed:	2.9mph	Wind Speed:	1.3mph
Weather Summary:	Sunny, partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
killdeer	<i>Charadrius vociferus</i>	house finch	<i>Haemorhous mexicanus</i>
western kingbird	<i>Tyrannus verticalis</i>	desert cottontail	<i>Sylvilagus audubonii</i>
domestic dog	<i>Canis lupis familiaris</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 5

Survey Information

Survey Date:	Client:	Location:	Project:
June 19, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Paul Rosebush	Level II
Dorothy Tran	Level II
Rodney Aguirre	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	12:35pm	End Time:	1:07pm
Start Temperature (°F):	82.7°F	End Temperature (°F):	83.4°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	6.0mph	Wind Speed:	6.5mph
Weather Summary:	Sunny		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	3
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 6

Survey Information

Survey Date:	Client:	Location:	Project:
June 20, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Samantha Medellin	Level II
Dorothy Tran	Level II
Josue Leyva	Level I
Rodney Aguirre	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	1:10pm	End Time:	1:57pm
Start Temperature (°F):	80.2°F	End Temperature (°F):	82.2°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	4.0mph	Wind Speed:	2.7mph
Weather Summary:	Sunny, partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California quail	<i>Callipepla californica</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
mourning dove	<i>Zenaidura macroura</i>	killdeer	<i>Charadrius vociferus</i>
common raven	<i>Corvus corax</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 7

Survey Information

Survey Date:	Client:	Location:	Project:
June 21, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Rory Miller	Level II
Dorothy Tran	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:37am	End Time:	10:23am
Start Temperature (°F):	77.3°F	End Temperature (°F):	79.1°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	3.4mph	Wind Speed:	0.8mph
Weather Summary:	Sunny, partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
cliff swallow	<i>Petrochelidon pyrrhonota</i>	killdeer	<i>Charadrius vociferus</i>
mourning dove	<i>Zenaida macroura</i>	turkey vulture	<i>Cathartes aura</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 8

Survey Information

Survey Date:	Client:	Location:	Project:
June 22, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	10:02am	End Time:	11:13am
Start Temperature (°F):	80.3°F	End Temperature (°F):	83.9°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	4.9mph	Wind Speed:	2.2mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
mourning dove	<i>Zenaida macroura</i>	killdeer	<i>Charadrius vociferus</i>
turkey vulture	<i>Cathartes aura</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 9

Survey Information

Survey Date:	Client:	Location:	Project:
July 1, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Paul Rosebush	Level II
Jaden Drake	Level I
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:30am	End Time:	8:55am
Start Temperature (°F):	87.4°F	End Temperature (°F):	91.6°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	0.0mph	Wind Speed:	1.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	3
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
mourning dove	<i>Zenaida macroura</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
common raven	<i>Corvus corax</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 10

Survey Information

Survey Date:	Client:	Location:	Project:
July 4, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:00am	End Time:	9:30am
Start Temperature (°F):	86.7°F	End Temperature (°F):	90.4°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	0.0mph	Wind Speed:	0.1mph
Weather Summary:	Sunny		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	3
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 11

Survey Information

Survey Date:	Client:	Location:	Project:
July 10, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:30am	End Time:	10:18am
Start Temperature (°F):	80.7°F	End Temperature (°F):	83.8°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	4.3mph	Wind Speed:	0.7mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 12

Survey Information

Survey Date:	Client:	Location:	Project:
July 12, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:26am	End Time:	10:18am
Start Temperature (°F):	89.9°F	End Temperature (°F):	90.5°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	0mph	Wind Speed:	1.2mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	5
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 13

Survey Information

Survey Date:	Client:	Location:	Project:
August 17, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:40am	End Time:	9:10am
Start Temperature (°F):	90.0°F	End Temperature (°F):	92.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	2.0mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
killdeer	<i>Charadrius vociferus</i>	Northern Pacific rattlesnake	<i>Crotalus oreganus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 14

Survey Information

Survey Date:	Client:	Location:	Project:
August 18, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:47am	End Time:	9:30am
Start Temperature (°F):	87.0°F	End Temperature (°F):	92.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	2.0mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	8
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 15

Survey Information

Survey Date:	Client:	Location:	Project:
August 26, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Rodney Aguirre	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	10:20am	End Time:	11:00am
Start Temperature (°F):	83.5°F	End Temperature (°F):	86.7°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	5.0mph	Wind Speed:	1.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	11
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 16

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 15, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Jeff Frank Solorzano	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:10am	End Time:	9:45am
Start Temperature (°F):	80.1°F	End Temperature (°F):	81.2°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	4.9mph	Wind Speed:	7.2mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	3
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
cow	<i>Bos taurus</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 17

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 22, 2023	ICF - SCE	Arvin, Kern County, CA	Breckenridge

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	11:17am	End Time:	11:49am
Start Temperature (°F):	80.1°F	End Temperature (°F):	83.7°F
Start Cloud Cover:	1%	End Cloud Cover:	0%
Wind Speed:	4.0mph	Wind Speed:	3.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
mourning dove	<i>Zenaida macroura</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
red-tailed hawk	<i>Buteo jamaicensis</i>		

Mesa Biological LLC Datasheets – Gorman to Kern River Project - Comanche Point Front



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 1

Survey Information

Survey Date:	Client:	Location:	Project:
May 27, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Rodney Aguirre	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	10:52am	End Time:	1:19pm
Start Temperature (°F):	78.6°F	End Temperature (°F):	87.0°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	1.6mph	Wind Speed:	1.2mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	33
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	7
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 2

Survey Information

Survey Date:	Client:	Location:	Project:
June 1, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Karla Lopez	Level II
Josue Leyva	Level I
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:52am	End Time:	12:06pm
Start Temperature (°F):	79.5°F	End Temperature (°F):	84.4°F
Start Cloud Cover:	5%	End Cloud Cover:	10%
Wind Speed:	2.1mph	Wind Speed:	3.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	33
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	11
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	mourning dove	<i>Zenaida macroura</i>
western meadowlark	<i>Sturnella neglecta</i>	house finch	<i>Haemorhous mexicanus</i>
western kingbird	<i>Tyrannus verticalis</i>	desert cottontail	<i>Sylvilagus audubonii</i>
lark sparrow	<i>Chondestes grammacus</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
northern pacific rattlesnake	<i>Crotalus oreganus</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 3

Survey Information

Survey Date:	Client:	Location:	Project:
June 2, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Karla Lopez	Level II
Josue Leyva	Level I
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:40am	End Time:	10:56am
Start Temperature (°F):	77.1°F	End Temperature (°F):	86.5°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.8mph	Wind Speed:	1.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	55
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	15
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	mourning dove	<i>Zenaida macroura</i>
black phoebe	<i>Sayornis nigricans</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
western kingbird	<i>Tyrannus verticalis</i>	lark sparrow	<i>Chondestes grammacus</i>
desert cottontail	<i>Sylvilagus audubonii</i>	greater roadrunner	<i>Geococcyx californianus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 4

Survey Information

Survey Date:	Client:	Location:	Project:
June 3, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Karla Lopez	Level II
Josue Leyva	Level I
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:18am	End Time:	12:13pm
Start Temperature (°F):	77.3°F	End Temperature (°F):	89.9°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	0.6mph	Wind Speed:	4.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	48
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	20
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	mourning dove	<i>Zenaida macroura</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
western kingbird	<i>Tyrannus verticalis</i>	lark sparrow	<i>Chondestes grammacus</i>
desert cottontail	<i>Sylvilagus audubonii</i>	house finch	<i>Haemorhous mexicanus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 5

Survey Information

Survey Date:	Client:	Location:	Project:
June 4, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Karla Lopez	Level II
Josue Leyva	Level I
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:24am	End Time:	10:26am
Start Temperature (°F):	78.9°F	End Temperature (°F):	89.7°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	3.7mph	Wind Speed:	5.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	68
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	14
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	mourning dove	<i>Zenaidura macroura</i>
European starling	<i>Sturnus vulgaris</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
western kingbird	<i>Tyrannus verticalis</i>	gopher snake	<i>Pituophis catenifer</i>
desert cottontail	<i>Sylvilagus audubonii</i>	coyote	<i>Canis latrans</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	house finch	<i>Haemorrhous mexicanus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 6

Survey Information

Survey Date:	Client:	Location:	Project:
June 24, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Jordyn Pendola	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	10:27am	End Time:	12:59pm
Start Temperature (°F):	82.6°F	End Temperature (°F):	86.5°F
Start Cloud Cover:	55%	End Cloud Cover:	60%
Wind Speed:	2.0mph	Wind Speed:	4.4mph
Weather Summary:	Partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	70
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	3
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 7

Survey Information

Survey Date:	Client:	Location:	Project:
June 27, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:17am	End Time:	10:54am
Start Temperature (°F):	77.5°F	End Temperature (°F):	82.7°F
Start Cloud Cover:	5%	End Cloud Cover:	2%
Wind Speed:	2.0mph	Wind Speed:	3.9mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	133
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 8

Survey Information

Survey Date:	Client:	Location:	Project:
June 28, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	10:47am
Start Temperature (°F):	78.0°F	End Temperature (°F):	87.2°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	2.3mph	Wind Speed:	3.8mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	88
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 9

Survey Information

Survey Date:	Client:	Location:	Project:
June 29, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	10:52am
Start Temperature (°F):	84.9°F	End Temperature (°F):	90.1°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	0.6mph	Wind Speed:	3.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	5
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
San Joaquin coachwhip	<i>Masticophis flagellum ruddocki</i>	CT

CT: California Threatened; SSC: California Species of Special Concern

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 10

Survey Information

Survey Date:	Client:	Location:	Project:
July 1, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Jordyn Pendola	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	9:03am
Start Temperature (°F):	83.7°F	End Temperature (°F):	90.0°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.8mph	Wind Speed:	1.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	94
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
northern pacific rattlesnake	<i>Crotalus oreganus</i>	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 11

Survey Information

Survey Date:	Client:	Location:	Project:
July 4, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:10am	End Time:	9:37am
Start Temperature (°F):	88.3°F	End Temperature (°F):	91.2°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	2.0mph	Wind Speed:	2.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	18
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	black-tailed jackrabbit	<i>Lepus californicus</i>
mourning dove	<i>Zenaida macroura</i>	desert cottontail	<i>Sylvilagus audubonii</i>
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 12

Survey Information

Survey Date:	Client:	Location:	Project:
July 9, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Karla Lopez	Level II
Rodney Aguirre	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:11am	End Time:	10:27am
Start Temperature (°F):	78.3°F	End Temperature (°F):	82.6°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.7mph	Wind Speed:	2.2mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	131
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	western kingbird	<i>Tyrannus verticalis</i>
mourning dove	<i>Zenaida macroura</i>	black phoebe	<i>Sayornis nigricans</i>
western meadowlark	<i>Sturnella neglecta</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
house finch	<i>Haemorhous mexicanus</i>	black-tailed jackrabbit	<i>Lepus californicus</i>
blue grosbeak	<i>Passerina caerulea</i>	desert cottontail	<i>Sylvilagus audubonii</i>
greater roadrunner	<i>Geococcyx californianus</i>	Northern pacific	<i>Crotalus oreganus</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	rattlesnake	

Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 13

Survey Information

Survey Date:	Client:	Location:	Project:
August 17, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Joey McFaddin	Level II
Jaden Drake	Level I
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	10:25am	End Time:	12:52pm
Start Temperature (°F):	89.9°F	End Temperature (°F):	93.0°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.1mph	Wind Speed:	1.8mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	3
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 14

Survey Information

Survey Date:	Client:	Location:	Project:
August 18, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Karla Lopez	Level II
Jaden Drake	Level I
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:16am	End Time:	10:28am
Start Temperature (°F):	82.7°F	End Temperature (°F):	90.6°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.3mph	Wind Speed:	2.5mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	117
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	4
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	western kingbird	<i>Tyrannus verticalis</i>
mourning dove	<i>Zenaida macroura</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
western meadowlark	<i>Sturnella neglecta</i>	black-tailed jackrabbit	<i>Lepus californicus</i>
house finch	<i>Haemorhous mexicanus</i>	desert cottontail	<i>Sylvilagus audubonii</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 15

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 22, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Rory Miller	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	12:30pm	End Time:	1:45pm
Start Temperature (°F):	83.5°F	End Temperature (°F):	85.6°F
Start Cloud Cover:	20%	End Cloud Cover:	20%
Wind Speed:	4.3mph	Wind Speed:	5.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	104
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	10
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 16

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 24, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rodney Aguirre	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:43am	End Time:	11:23am
Start Temperature (°F):	78.1°F	End Temperature (°F):	81.4°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.0mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	114
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	northern mockingbird	<i>Mimus polyglottos</i>
common raven	<i>Corvus corax</i>	western diamondback	<i>Crotalus atrox</i>
desert cottontail	<i>Sylvilagus audubonii</i>	rattlesnake	



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 17

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 29, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point Front

Surveyors

Name:	Surveyor Qualifications:
Samantha Medellin	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	10:20am	End Time:	11:48am
Start Temperature (°F):	77.4°F	End Temperature (°F):	87.2°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	2.3mph	Wind Speed:	1.4mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	58
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	kangaroo rat	<i>Dipodomys s.p.</i>
common raven	<i>Corvus corax</i>		

Mesa Biological LLC Datasheets – Gorman to Kern River Project - Comanche T-Segment



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 1

Survey Information

Survey Date:	Client:	Location:	Project:
May 31, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rodney Aguirre	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	11:15am	End Time:	1:00pm
Start Temperature (°F):	77.9°F	End Temperature (°F):	81.1°F
Start Cloud Cover:	30%	End Cloud Cover:	5%
Wind Speed:	1.8mph	Wind Speed:	0.9mph
Weather Summary:	Sunny, partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	16
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	5
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
common raven	<i>Corvus corax</i>	western meadowlark	<i>Sturnella neglecta</i>
mourning dove	<i>Zenaida macroura</i>	western kingbird	<i>Tyrannus verticalis</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 2

Survey Information

Survey Date:	Client:	Location:	Project:
June 1, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:22am	End Time:	11:05am
Start Temperature (°F):	78.8°F	End Temperature (°F):	84.6°F
Start Cloud Cover:	20%	End Cloud Cover:	20%
Wind Speed:	3.2mph	Wind Speed:	3.7mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	19
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	killdeer	<i>Charadrius vociferus</i>
common raven	<i>Corvus corax</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 3

Survey Information

Survey Date:	Client:	Location:	Project:
June 2, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:09am	End Time:	11:14am
Start Temperature (°F):	78.4°F	End Temperature (°F):	88.3°F
Start Cloud Cover:	5%	End Cloud Cover:	1%
Wind Speed:	0.1mph	Wind Speed:	3.2mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	12
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	western meadowlark	<i>Sturnella neglecta</i>
common raven	<i>Corvus corax</i>	cliff swallow	<i>Petrochelidon pyrrhonata</i>
western kingbird	<i>Tyrannus verticalis</i>	cattle	<i>Bos taurus</i>
mourning dove	<i>Zenaida macroura</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 4

Survey Information

Survey Date:	Client:	Location:	Project:
June 3, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Jeff Frank Solorzano	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:45am	End Time:	12:15pm
Start Temperature (°F):	77.8°F	End Temperature (°F):	86.8°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	3.7mph	Wind Speed:	2.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	yellow warbler	<i>Setophaga petechia</i>
common raven	<i>Corvus corax</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 5

Survey Information

Survey Date:	Client:	Location:	Project:
June 4, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:30am	End Time:	10:55am
Start Temperature (°F):	79.6°F	End Temperature (°F):	90.6°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	1.3mph	Wind Speed:	2.5mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	cattle	<i>Bos taurus</i>
common raven	<i>Corvus corax</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 6

Survey Information

Survey Date:	Client:	Location:	Project:
June 8, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Joey McFaddin	Level II
Joe McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	10:16am	End Time:	12:20pm
Start Temperature (°F):	77.5°F	End Temperature (°F):	83.0°F
Start Cloud Cover:	30%	End Cloud Cover:	40%
Wind Speed:	0.9mph	Wind Speed:	1.2mph
Weather Summary:	Sunny, partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 7

Survey Information

Survey Date:	Client:	Location:	Project:
June 23, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Joey McFaddin	Level II
Joe McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	11:26am	End Time:	1:26pm
Start Temperature (°F):	80.2°F	End Temperature (°F):	84.7°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.8mph	Wind Speed:	3.7mph
Weather Summary:	Sunny		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
cattle	<i>Bos taurus</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 8

Survey Information

Survey Date:	Client:	Location:	Project:
June 27, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Joey McFaddin	Level II
Joe McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	10:57am	End Time:	1:19pm
Start Temperature (°F):	84.8°F	End Temperature (°F):	91.0°F
Start Cloud Cover:	5%	End Cloud Cover:	2%
Wind Speed:	4.0mph	Wind Speed:	5.9mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	21
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	8
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 9

Survey Information

Survey Date:	Client:	Location:	Project:
July 2, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Paul Rosebush	Level II
Dorothy Tran	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	8:58am
Start Temperature (°F):	88.9°F	End Temperature (°F):	95.1°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.0mph	Wind Speed:	1.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	13
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	mourning dove	<i>Zenaida macroura</i>
western meadowlark	<i>Sturnella neglecta</i>	desert cottontail	<i>Sylvilagus audubonii</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 10

Survey Information

Survey Date:	Client:	Location:	Project:
July 3, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Paul Rosebush	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	9:20am
Start Temperature (°F):	86.2°F	End Temperature (°F):	94.2°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.8mph	Wind Speed:	2.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	33
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
western meadowlark	<i>Sturnella neglecta</i>	cattle	<i>Bos taurus</i>
mourning dove	<i>Zenaida macroura</i>	coyote	<i>Canis latrans</i>
desert cottontail	<i>Sylvilagus audubonii</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 11

Survey Information

Survey Date:	Client:	Location:	Project:
July 4, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Paul Rosebush	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	9:18am
Start Temperature (°F):	79.9°F	End Temperature (°F):	94.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	1.2mph	Wind Speed:	1.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	40
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
western meadowlark	<i>Sturnella neglecta</i>	desert cottontail	<i>Sylvilagus audubonii</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 12

Survey Information

Survey Date:	Client:	Location:	Project:
July 6, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Joey McFaddin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:40am	End Time:	11:30am
Start Temperature (°F):	86.0°F	End Temperature (°F):	92.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	1.2mph	Wind Speed:	2.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	25
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
San Joaquin coachwhip	<i>Masticophis flagellum ruddocki</i>	CT

CT: California Threatened; SSC: California Species of Special Concern

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 13

Survey Information

Survey Date:	Client:	Location:	Project:
August 17, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Joey McFaddin	Level II
Jaden Drake	Level I
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:05am	End Time:	8:45am
Start Temperature (°F):	86.9°F	End Temperature (°F):	87.5°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	0.9mph	Wind Speed:	1.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	10
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	European starling	<i>Sturnus vulgaris</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>	coyote	<i>Canis latrans</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 14

Survey Information

Survey Date:	Client:	Location:	Project:
August 18, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Joey McFaddin	Level II
Samantha Medellin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:05am	End Time:	9:15am
Start Temperature (°F):	82.3°F	End Temperature (°F):	88.3°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.1mph	Wind Speed:	0.2mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	53
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	3
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
coyote	<i>Canis latrans</i>	European starling	<i>Sturnus vulgaris</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 15

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 6, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Rory Miller	Level II
Joey McFaddin	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:30am	End Time:	9:33am
Start Temperature (°F):	78.0°F	End Temperature (°F):	81.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	1.8mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	34
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
red-tailed hawk	<i>Buteo jamaicensis</i>	Northern pacific rattlesnake	<i>Crotalus oreganus</i>
cow	<i>Bos taurus</i>	greater roadrunner	<i>Geococcyx californianus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 16

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 22, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Rory Miller	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	10:05am	End Time:	11:30am
Start Temperature (°F):	77.3°F	End Temperature (°F):	79.9°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	2.7 mph	Wind Speed:	3.8mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	35
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	3
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
San Joaquin coachwhip	<i>Masticophis flagellus ruddocki</i>	CT

CT: California Threatened; SSC: California Species of Special Concern

Incidental Common Species Observations:

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>
European starling	<i>Sturnus vulgaris</i>	cow	<i>Bos taurus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 17

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 24, 2023	ICF - SCE	Arvin, Kern County, CA	Comanche Point – T Segment

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rodney Aguirre	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	12:31pm	End Time:	1:50pm
Start Temperature (°F):	86.2°F	End Temperature (°F):	88.6°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.3mph	Wind Speed:	1.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	39
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	3
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	red-tailed hawk	<i>Buteo jamaicensis</i>
mourning dove	<i>Zenaida macroura</i>	domestic cow	<i>Bos taurus</i>

Mesa Biological LLC Datasheets – Gorman to Kern River Project - Rio Bravo Flat



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 1

Survey Information

Survey Date:	Client:	Location:	Project:
May 26, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	10:05am	End Time:	10:45am
Start Temperature (°F):	77.5°F	End Temperature (°F):	79.8°F
Start Cloud Cover:	80%	End Cloud Cover:	80%
Wind Speed:	2.9mph	Wind Speed:	3.1mph
Weather Summary:	Mostly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	5
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	yellow warbler	<i>Setophaga petechia</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 2

Survey Information

Survey Date:	Client:	Location:	Project:
June 3, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Samantha Medellin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:50am	End Time:	9:16am
Start Temperature (°F):	78.3°F	End Temperature (°F):	79.8°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	0.9mph	Wind Speed:	2.7mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	11
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	black-tailed jackrabbit	<i>Lepus californicus</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 3

Survey Information

Survey Date:	Client:	Location:	Project:
June 4, 2023	ICF – SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Samantha Medellin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:01am	End Time:	8:24am
Start Temperature (°F):	81.0°F	End Temperature (°F):	84.3°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	0.6mph	Wind Speed:	0.7mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 4

Survey Information

Survey Date:	Client:	Location:	Project:
June 5, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Rodney Aguirre	Level II
Samantha Medellin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	8:35am
Start Temperature (°F):	77.8°F	End Temperature (°F):	80.3°F
Start Cloud Cover:	15%	End Cloud Cover:	10%
Wind Speed:	1.7mph	Wind Speed:	1.4mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	5
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	desert cottontail	<i>Sylvilagus audubonii</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 5

Survey Information

Survey Date:	Client:	Location:	Project:
June 19, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	11:33am	End Time:	11:59am
Start Temperature (°F):	79.7°F	End Temperature (°F):	81.2°F
Start Cloud Cover:	2%	End Cloud Cover:	5%
Wind Speed:	1.5mph	Wind Speed:	3.4mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	desert cottontail	<i>Sylvilagus audubonii</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 6

Survey Information

Survey Date:	Client:	Location:	Project:
June 20, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	12:45pm	End Time:	1:12pm
Start Temperature (°F):	80.7°F	End Temperature (°F):	81.1°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	4.5mph	Wind Speed:	3.9mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California ground squirrel	<i>Otospermophilus beecheyi</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 7

Survey Information

Survey Date:	Client:	Location:	Project:
June 21, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Rory Miller	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:56am	End Time:	9:13am
Start Temperature (°F):	78.0°F	End Temperature (°F):	78.5°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	3.6mph	Wind Speed:	1.8mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	10
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	desert cottontail	<i>Sylvilagus audubonii</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 8

Survey Information

Survey Date:	Client:	Location:	Project:
June 22, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:07am	End Time:	9:39am
Start Temperature (°F):	79.4°F	End Temperature (°F):	80.0°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	4.5mph	Wind Speed:	3.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	desert cottontail	<i>Sylvilagus audubonii</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 9

Survey Information

Survey Date:	Client:	Location:	Project:
July 1, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Paul Rosebush	Level II
Jaden Drake	Level I
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	8:20am
Start Temperature (°F):	82.6°F	End Temperature (°F):	84.8°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	4.8mph	Wind Speed:	5.8mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 10

Survey Information

Survey Date:	Client:	Location:	Project:
July 4, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:55am	End Time:	10:30am
Start Temperature (°F):	91.2°F	End Temperature (°F):	93.9°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	4.7mph	Wind Speed:	6.7mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	3
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 11

Survey Information

Survey Date:	Client:	Location:	Project:
July 10, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	11:12am	End Time:	11:24am
Start Temperature (°F):	84.3°F	End Temperature (°F):	92.1°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.8mph	Wind Speed:	1.9mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 12

Survey Information

Survey Date:	Client:	Location:	Project:
July 12, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:47am	End Time:	10:00am
Start Temperature (°F):	91.5°F	End Temperature (°F):	92.1°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	0.2mph	Wind Speed:	0.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 13

Survey Information

Survey Date:	Client:	Location:	Project:
August 17, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	8:20am
Start Temperature (°F):	87.0°F	End Temperature (°F):	90.3°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	3.0mph	Wind Speed:	3.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	1
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
house finch	<i>Haemorhous mexicanus</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 14

Survey Information

Survey Date:	Client:	Location:	Project:
August 18, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	8:24am
Start Temperature (°F):	83.0°F	End Temperature (°F):	84.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	3.0mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	mourning dove	<i>Zenaida macroura</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 15

Survey Information

Survey Date:	Client:	Location:	Project:
August 26, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Rodney Aguirre	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:40am	End Time:	10:00am
Start Temperature (°F):	81.3°F	End Temperature (°F):	83.1°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.9mph	Wind Speed:	1.4mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Gorman to Kern River Project - Survey Day 16

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 15, 2023	ICF - SCE	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:20am	End Time:	8:45am
Start Temperature (°F):	78.1°F	End Temperature (°F):	79.2°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	2.1mph	Wind Speed:	2.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	2
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	common raven	<i>Corvus corax</i>
desert cottontail	<i>Sylvilagus audubonii</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 17

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 22, 2023	ICF and Jones	Bakersfield, Kern County, CA	Rio Bravo

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	12:08pm	End Time:	12:22pm
Start Temperature (°F):	85.6°F	End Temperature (°F):	86.1°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.3mph	Wind Speed:	0.8mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--

Mesa Biological LLC Datasheets – Gorman to Kern River Project - Sandridge



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 1

Survey Information

Survey Date:	Client:	Location:	Project:
May 26, 2023	ICF and Jones	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solarzano	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	12:45pm	End Time:	1:30pm
Start Temperature (°F):	86.2°F	End Temperature (°F):	87.8°F
Start Cloud Cover:	20%	End Cloud Cover:	20%
Wind Speed:	3.6mph	Wind Speed:	3.4mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	7
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	4
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
killdeer	<i>Charadrius vociferus</i>	yellow warbler	<i>Setophaga petechia</i>
house finch	<i>Haemorhous mexicanus</i>	common raven	<i>Corvus corax</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 2

Survey Information

Survey Date:	Client:	Location:	Project:
June 3, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Samantha Medellin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	11:23am	End Time:	12:05pm
Start Temperature (°F):	84.3°F	End Temperature (°F):	85.7°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	0.8mph	Wind Speed:	3.6mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
valley quail	<i>Callipepla californica</i>	house finch	<i>Haemorhous mexicanus</i>
mourning dove	<i>Zenaida macroura</i>	northern mockingbird	<i>Mimus polyglottus</i>
red-tailed hawk	<i>Buteo jamaicensis</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 3

Survey Information

Survey Date:	Client:	Location:	Project:
June 4, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Samantha Medellin	Level II
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:58am	End Time:	10:38am
Start Temperature (°F):	84.9°F	End Temperature (°F):	88.5°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	2.8mph	Wind Speed:	1.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	14
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
greater roadrunner	<i>Geococcyx californianus</i>	house finch	<i>Haemorhous mexicanus</i>
mourning dove	<i>Zenaida macroura</i>	northern mockingbird	<i>Mimus polyglottus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 4

Survey Information

Survey Date:	Client:	Location:	Project:
June 5, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Rodney Aguirre	Level II
Samantha Medellin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	11:04am	End Time:	11:51am
Start Temperature (°F):	86.1°F	End Temperature (°F):	91.6°F
Start Cloud Cover:	55%	End Cloud Cover:	55%
Wind Speed:	1.5mph	Wind Speed:	2.2mph
Weather Summary:	Sunny, partly cloudy skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	5
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
northern mockingbird	<i>Mimus polyglottus</i>	house sparrow	<i>Passer domesticus</i>
mourning dove	<i>Zenaida macroura</i>	killdeer	<i>Charadrius vociferus</i>
common raven	<i>Corvus corax</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 5

Survey Information

Survey Date:	Client:	Location:	Project:
June 19, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Rodney Aguirre	Level II
Paul Rosebush	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	11:25am	End Time:	12:05pm
Start Temperature (°F):	83.4°F	End Temperature (°F):	83.8°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.0mph	Wind Speed:	3.5mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	1
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
desert cottontail	<i>Sylvilagus audubonii</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 6

Survey Information

Survey Date:	Client:	Location:	Project:
June 20, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Samantha Medellin	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	12:22pm	End Time:	12:49pm
Start Temperature (°F):	80.3°F	End Temperature (°F):	80.7°F
Start Cloud Cover:	2%	End Cloud Cover:	2%
Wind Speed:	5.3mph	Wind Speed:	1.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	8
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California quail	<i>Callipepla californica</i>
mourning dove	<i>Zenaida macroura</i>	red-tailed hawk	<i>Buteo jamaicensis</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 7

Survey Information

Survey Date:	Client:	Location:	Project:
June 21, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Josue Leyva	Level I
Rory Miller	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	10:45am	End Time:	11:13am
Start Temperature (°F):	77.5°F	End Temperature (°F):	81.2°F
Start Cloud Cover:	0%	End Cloud Cover:	1%
Wind Speed:	1.2mph	Wind Speed:	2.3mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	12
California Whiptail Lizard (<i>Aspidozelis tigris munda</i>):	2
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	California quail	<i>Callipepla californica</i>
northern mockingbird	<i>Mimus polyglottus</i>	western kingbird	<i>Tyrannus verticalis</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 8

Survey Information

Survey Date:	Client:	Location:	Project:
June 22, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Jaden Drake	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	11:40am	End Time:	12:15pm
Start Temperature (°F):	84.5°F	End Temperature (°F):	86.6°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.5mph	Wind Speed:	2.9mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	8
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	7
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
greater roadrunner	<i>Geococcyx californianus</i>	California quail	<i>Callipepla californica</i>
northern mockingbird	<i>Mimus polyglottus</i>		



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 9

Survey Information

Survey Date:	Client:	Location:	Project:
July 1, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II
Jordyn Pendola	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	9:17am	End Time:	9:49am
Start Temperature (°F):	92.0°F	End Temperature (°F):	94.5°F
Start Cloud Cover:	5%	End Cloud Cover:	2%
Wind Speed:	2.2mph	Wind Speed:	1.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	4
California Whiptail Lizard (<i>Aspidozelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 10

Survey Information

Survey Date:	Client:	Location:	Project:
July 4, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:00am	End Time:	10:30am
Start Temperature (°F):	82.7°F	End Temperature (°F):	86.7°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	2.3mph	Wind Speed:	1.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	10
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
northern shrike	<i>Lanius borealis</i>	SSC
SSC: Species of Special Concern		

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
western fence lizard	<i>Sceloporus occidentalis</i>	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 11

Survey Information

Survey Date:	Client:	Location:	Project:
July 10, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:20am	End Time:	9:15am
Start Temperature (°F):	77.4°F	End Temperature (°F):	77.6°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.1mph	Wind Speed:	1.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	0
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 12

Survey Information

Survey Date:	Client:	Location:	Project:
July 12, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Joe McFaddin	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	8:05am	End Time:	8:30am
Start Temperature (°F):	83.3°F	End Temperature (°F):	84.5°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	0.8mph	Wind Speed:	0.8mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	9
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
red-tailed hawk	<i>Buteo jamaicensis</i>	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 13

Survey Information

Survey Date:	Client:	Location:	Project:
August 17, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:55am	End Time:	10:22am
Start Temperature (°F):	93.5°F	End Temperature (°F):	95.0°F
Start Cloud Cover:	0%	End Cloud Cover:	1%
Wind Speed:	1.0mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	8
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
mourning dove	<i>Zenaida macroura</i>	black-tailed jackrabbit	<i>Lepus californicus</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 14

Survey Information

Survey Date:	Client:	Location:	Project:
August 18, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Rory Miller	Level II
Rodney Aguirre	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	9:48am	End Time:	10:35am
Start Temperature (°F):	93.0°F	End Temperature (°F):	95.0°F
Start Cloud Cover:	1%	End Cloud Cover:	1%
Wind Speed:	1.0mph	Wind Speed:	2.0mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	16
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
mourning dove	<i>Zenaida macroura</i>	California quail	<i>Callipepla californica</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 15

Survey Information

Survey Date:	Client:	Location:	Project:
August 26, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Rodney Aguirre	Level II
Josue Leyva	Level I

Start/End Times and Recorded Weather Conditions

Start Time:	11:25am	End Time:	12:00pm
Start Temperature (°F):	88.8°F	End Temperature (°F):	90.6°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	1.3mph	Wind Speed:	1.4mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	17
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	1
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
None	--	--	--



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 16

Survey Information

Survey Date:	Client:	Location:	Project:
September 15, 2023	ICF - SCE	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Jeffrank Solorzano	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	10:15am	End Time:	10:55am
Start Temperature (°F):	82.5°F	End Temperature (°F):	87.5°F
Start Cloud Cover:	5%	End Cloud Cover:	5%
Wind Speed:	4.2mph	Wind Speed:	3.7mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	17
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
California ground squirrel	<i>Otospermophilus beecheyi</i>	common raven	<i>Corvus corax</i>
mourning dove	<i>Zenaida macroura</i>	turkey vulture	<i>Cathartes aura</i>



Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Datasheet

ICF Kern River Project - Survey Day 17

Survey Information

Survey Date:	Client:	Location:	Project:
Sept 22, 2023	ICF and Jones	Bakersfield, Kern County, CA	Sandridge

Surveyors

Name:	Surveyor Qualifications:
Dorothy Tran	Level II
Joey McFaddin	Level II

Start/End Times and Recorded Weather Conditions

Start Time:	10:20am	End Time:	10:52am
Start Temperature (°F):	77.1°F	End Temperature (°F):	78.6°F
Start Cloud Cover:	0%	End Cloud Cover:	0%
Wind Speed:	1.0mph	Wind Speed:	2.1mph
Weather Summary:	Sunny skies		

Recorded Blunt-Nosed Leopard Lizard Observations and Location

Sex: (male/female)	Life Stage: (adult/sub-adult/hatchling)	Coordinates: (Latitude/Longitude)	Notes:
0	N/A	N/A	No BNLL identified

Other Lizard Species Observations

Side-Blotched Lizard (<i>Uta stansburiana</i>):	13
California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>):	0
Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>):	0

Other Special-Status Species Observed

Common Name:	Scientific Name:	Status:
None found	--	--

Incidental Common Species Observations

Common Name:	Scientific Name:	Common Name:	Scientific Name:
common raven	<i>Corvus corax</i>	greater roadrunner	<i>Geococcyx californianus</i>
Bell's sparrow	<i>Artemisiospiza belli</i>		

Attachment C: Protocol Blunt-Nosed Leopard Lizard Survey Results Summary Table



Protocol-Level Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Results Summary Table
Base of Grapevine - ICF to Gorman Kern River Project

Survey Day	Survey Date	BNLL Surveyors (bold indicates Level II Surveyor)	Survey Timeframes		Air Temperatures (°F)		Cloud Cover (%)		Wind Speed (mph)		Other Lizard Species			Recorded Blunt-nosed Leopard Lizard (BNLL) (Gambelia sila)			
			Start Time	End Time	Start Temp	End Temp	Start Cloud Cover	End Cloud Cover	Start Speed	End Speed	Side-Blotched Lizard (Uta stansburiana)	California Whiptail Lizard (Aspidoscelis tigris munda)	Blainsville Horned Lizard (Phrynosoma blainvillii)	Male	Female	Unknown	Hatchling/Sub-Adult
Adult Surveys																	
1	5/28/23	Joe McFaddin, Joey McFaddin, Rory Miller, Rodney Aguirre	9:34am	12:55pm	82.7	90.0	1%	4%	2.7	0.8	3	0	0	0	0	0	0
2	6/3/23	Joey McFaddin, Joe McFaddin, Jordyn Pendola	9:39am	12:54pm	81.2	92.8	2%	2%	0.7	4.4	7	0	0	0	0	0	0
3	6/4/23	Joey McFaddin, Joe McFaddin, Jordyn Pendola	8:17am	11:25am	79.9	93.2	2%	2%	2.8	1.5	17	0	0	0	0	0	0
4	6/5/23	Kaira Lopez, Rory Miller, Josue Leyva	8:42am	12:06pm	81.0	88.4	40%	50%	3.4	5.7	7	0	0	0	0	0	0
5	6/6/23	Joe McFaddin, Joey McFaddin, Rodney Aguirre	10:59am	1:39pm	78.1	81.9	65%	70%	1.0	2.4	4	0	0	0	0	0	0
6	6/10/23	Joey McFaddin, Joe McFaddin, Jordyn Pendola	9:45am	11:31am	79.7	86.8	50%	60%	1.4	1.8	8	0	0	0	0	0	0
7	6/22/23	Paul Roesbush, Joey McFaddin, Josue Leyva	9:28am	12:20pm	82.4	84.6	0%	0%	1.2	5.8	7	0	0	0	0	0	0
8	6/24/23	Paul Rosebush, Rodney Aguirre, Jaden Drake	9:20am	12:05pm	78.2	88.4	35%	50%	0.1	1.2	2	0	0	0	0	0	0
9	6/30/23	Joe McFaddin, Joey McFaddin, Rodney Aguirre	8:00am	10:49am	81.9	93.2	2%	2%	2.1	3.6	11	0	0	0	0	0	0
10	7/2/23	Joey McFaddin, Joe McFaddin, Samantha Medellin, Jordyn Pendola, Josue Leyva	8:00am	9:26am	89.7	94.9	2%	5%	2.6	1.9	17	0	0	0	0	0	0
11	7/3/23	Joe McFaddin, Joey McFaddin, Rory Miller, Rodney Aguirre, Jaden Drake	8:00am	9:23am	89.9	93.8	2%	5%	1.7	1.1	11	0	0	0	0	0	0
12	7/7/23	Joe McFaddin, Joey McFaddin, Rory Miller	9:30am	11:36am	88.0	92.0	1%	1%	2.5	2.0	14	0	0	0	0	0	0
Hatchling / Sub-Adult Surveys																	
1	8/28/23	Joe McFaddin, Samantha Medellin, Rory Miller, Dorothy Tran	8:30am	10:16am	77.0	84.9	1%	1%	1.0	0.7	34	0	0	0	0	0	0
2	8/30/23	Karla Lopez, Joey McFaddin Rory Miller, Dorothy Tran	8:34am	10:21am	78.0	81.3	1%	1%	1.0	1.7	15	0	0	0	0	0	0
3	9/8/23	Dorothy Tran, Rory Miller, Josue Leyva	8:22am	10:39am	77.5	82.3	15%	20%	1.1	3.2	29	0	0	0	0	0	0
4	9/17/23	Dorothy Tran, Joey McFaddin, Rodney Aguirre, Josue Leyva	9:16am	11:15am	77.0	80.2	0%	0%	0.8	1.0	30	0	0	0	0	0	0
5	9/23/23	Jeffrank Solarzano, Joey McFaddin, Rodney Aguirre, Josue Leyva	9:00am	11:00am	77.8	80.2	10%	10%	0.9	2.1	25	0	0	0	0	0	0

California Department of Fish and Wildlife Protocol Survey Requirements:
1) Four consecutive survey days occurred from June 12th through June 15th.
2) No more than eight days occurred within a 30-day period.
3) No more than five survey days occurred within any seven day period.



Protocol-Level Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Results Summary Table
Bena Flats - ICF to Gorman Kern River Project

Survey Day	Survey Date	BNLL Surveyors (bold indicates Level II Surveyor)	Survey Timeframes		Air Temperatures (°F)		Cloud Cover (%)		Wind Speed (mph)		Other Lizard Species			Recorded Blunt-nosed Leopard Lizard (BNLL) (<i>Gambelia sila</i>)			
			Start Time	End Time	Start Temp	End Temp	Start Cloud Cover	End Cloud Cover	Start Speed	End Speed	Side-Blotched Lizard (<i>Uta stansburiana</i>)	California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>)	Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>)	Male	Female	Unknown	Hatchling/Sub-Adult
Adult Surveys																	
1	6/1/23	Jeffrank Solarzano, Rory Miller, Rodney Aguirre	12:55pm	1:45pm	88.6	92.7	20%	20%	7.8	4.6	0	0	0	0	0	0	0
2	6/2/23	Dorothy Tran, Rory Miller, Rodney Aguirre, Karla Lopez, Josue Leyva, Jaden Drake	11:50am	1:12pm	82.5	86.2	1%	0%	1.3	1.4	0	0	0	0	0	0	0
3	6/3/23	Dorothy Tran, Rory Miller, Rodney Aguirre, Samantha Medellin, Jeffrank Solarzano	12:28pm	1:35pm	86.9	91.1	1%	1%	1.8	1.3	0	0	0	0	0	0	0
4	6/4/23	Dorothy Tran, Rory Miller, Samantha Medellin, Karla Lopez, Josue Leyva, Jaden Drake	10:56am	12:00pm	88.5	90.5	1%	1%	1.3	1.7	0	0	0	0	0	0	0
5	6/9/23	Joe McFaddin, Joey McFaddin	9:35am	10:30am	80.2	80.9	15%	10%	3.7	3.0	3	0	0	0	0	0	0
6	6/19/23	Dorothy Tran, Paul Rosebush, Rodney Aguirre, Jaden Drake	9:32am	10:10am	77.0	79.5	0%	0%	2.8	4.0	2	0	0	0	0	0	0
7	6/20/23	Dorothy Tran, Rodney Aguirre, Samantha Medellin, Josue Leyva	11:30am	12:10pm	77.0	82.3	2%	2%	4.0	5.0	4	0	0	0	0	0	0
8	6/28/23	Joe McFaddin, Joey McFaddin	11:05am	12:08pm	88.1	92.8	5%	5%	2.2	5.5	1	0	0	0	0	0	0
9	7/1/23	Paul Rosebush, Jaden Drake, Josue Leyva	9:04am	9:55am	91.5	94.8	0%	0%	3.6	3.8	6	0	0	0	0	0	0
10	7/3/23	Karla Lopez, Samantha Medellin	8:00am	9:00am	89.2	94.6	10%	10%	1.0	1.3	2	0	0	0	0	0	0
11	7/10/23	Joe McFaddin, Joey McFaddin	9:25am	9:58am	77.3	79.3	0%	10%	4.4	0.6	4	0	0	0	0	0	0
12	7/14/23	Samantha Medellin, Jeffrank Solarzano, Dorothy Tran, Jaden Drake	8:33am	9:15am	83.8	86.0	2%	2%	2.6	2.6	2	0	0	0	0	0	0
Hatchling / Sub-Adult Surveys																	
1	8/19/23	Rodney Aguirre, Jaden Drake, Josue Leyva	8:00am	8:45am	85.2	86.3	5%	5%	1.8	2.2	9	0	0	0	0	0	0
2	8/27/23	Rodney Aguirre, Rory Miller, Josue Leyva	8:30am	9:15am	85.1	86.0	1%	1%	1.8	2.0	10	0	0	0	0	0	0
3	9/6/23	Joey McFaddin, Rory Miller, Josue Leyva	10:00am	10:41am	81.0	83.0	1%	1%	2.0	1.6	6	0	0	0	0	0	0
4	9/17/23	Samantha Medellin, Rory Miller	9:35am	10:23am	78.0	82.9	2%	2%	1.7	1.0	7	0	0	0	0	0	0
5	9/23/23	Samantha Medellin, Karla Lopez	8:40am	9:37am	77.1	80.3	20%	15%	3.0	2.0	6	0	0	0	0	0	0

California Department of Fish and Wildlife Protocol Survey Requirements:
1) Four consecutive survey days occurred from June 12th through June 15th.
2) No more than eight days occurred within a 30-day period.
3) No more than five survey days occurred within any seven day period.



Protocol-Level Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Results Summary Table
Breckenridge - ICF to Gorman Kern River Project

Survey Day	Survey Date	BNLL Surveyors (bold indicates Level II Surveyor)	Survey Timeframes		Air Temperatures (°F)		Cloud Cover (%)		Wind Speed (mph)		Other Lizard Species			Recorded Blunt-nosed Leopard Lizard (BNLL) (<i>Gambelia sila</i>)			
			Start Time	End Time	Start Temp	End Temp	Start Cloud Cover	End Cloud Cover	Start Speed	End Speed	Side-Blotched Lizard (<i>Uta stansburiana</i>)	California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>)	Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>)	Male	Female	Unknown	Hatchling/Sub-Adult
Adult Surveys																	
1	5/26/23	Jeffrank Solarzano, Rodney Aguirre	11:35am	12:20pm	80.1	85.1	40%	20%	2.1	3.1	4	0	0	0	0	0	0
2	6/3/23	Dorothy Tran, Rory Miller, Samantha Medellin	10:11am	10:56am	81.2	86.6	1%	1%	2.5	0.6	0	1	0	0	0	0	0
3	6/4/23	Dorothy Tran, Rory Miller, Samantha Medellin	8:52am	9:36am	82.1	88.4	0%	0%	6.5	5.4	3	0	0	0	0	0	0
4	6/5/23	Rodney Aguirre, Samantha Medellin	9:01am	10:01am	85.2	86.2	40%	55%	2.9	1.3	2	0	0	0	0	0	0
5	6/19/23	Rodney Aguirre, Paul Rosebush, Dorothy Tran, Jaden Drake	12:35pm	1:07pm	82.7	83.4	5%	5%	6.0	6.5	3	0	0	0	0	0	0
6	6/20/23	Samantha Medellin, Dorothy Tran, Rory Miller, Josue Leyva	1:10pm	1:57pm	80.2	82.2	2%	2%	4.0	2.7	4	2	0	0	0	0	0
7	6/21/23	Dorothy Tran, Rory Miller, Josue Leyva	9:37am	10:23am	77.3	79.1	0%	0%	3.4	0.8	4	0	0	0	0	0	0
8	6/22/23	Dorothy Tran, Jaden Drake	10:02am	11:13am	80.3	83.9	0%	0%	4.9	2.2	7	1	0	0	0	0	0
9	7/1/23	Paul Rosebush, Jaden Drake, Josue Leyva	8:30am	8:55am	87.4	91.6	0%	0%	0.0	1.6	3	0	0	0	0	0	0
10	7/4/23	Joe McFaddin, Joey McFaddin	9:00am	9:30am	86.7	90.4	0%	0%	0.0	0.1	3	0	0	0	0	0	0
11	7/10/23	Joe McFaddin, Joey McFaddin	9:30am	10:18am	80.7	83.8	0%	0%	4.3	0.7	2	0	0	0	0	0	0
12	7/12/23	Joe McFaddin, Joey McFaddin	9:26am	10:18am	89.9	90.5	0%	0%	0.0	1.2	5	0	0	0	0	0	0
1	8/17/23	Rory Miller, Rodney Aguirre	8:40am	9:10am	90.0	92.0	1%	1%	2.0	2.0	4	1	0	0	0	0	0
2	8/18/23	Rory Miller, Rodney Aguirre	8:47am	9:30am	87.0	92.0	1%	1%	2.0	2.0	8	0	0	0	0	0	0
3	8/26/23	Rodney Aguirre, Josue Leyva	10:20am	11:00am	83.5	86.7	5%	5%	5.0	1.1	11	2	0	0	0	0	0
4	9/15/23	Jeffrank Solarzano, Joey McFaddin	9:10am	9:45am	80.1	81.2	5%	5%	4.9	7.2	3	0	0	0	0	0	0
5	9/22/23	Dorothy Tran, Joey McFaddin	11:17am	11:49am	80.1	83.7	1%	0%	4.0	3.0	7	2	0	0	0	0	0

California Department of Fish and Wildlife Protocol Survey Requirements:

- 1) Four consecutive survey days occurred from June 12th through June 15th.
- 2) No more than eight days occurred within a 30-day period.
- 3) No more than five survey days occurred within any seven day period.



Protocol-Level Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Results Summary Table
Comanche Point Front - ICF to Gorman Kern River Project

Survey Day	Survey Date	BNLL Surveyors (bold indicates Level II Surveyor)	Survey Timeframes		Air Temperatures (°F)		Cloud Cover (%)		Wind Speed (mph)		Other Lizard Species			Recorded Blunt-nosed Leopard Lizard (BNLL) (<i>Gambelia sila</i>)				
			Start Time	End Time	Start Temp	End Temp	Start Cloud Cover	End Cloud Cover	Start Speed	End Speed	Side-Blotched Lizard (<i>Uta stansburiana</i>)	California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>)	Blainsville Horned Lizard (<i>Phrynosoma blainvilli</i>)	Male	Female	Unknown	Hatchling/Sub-Adult	
Adult Surveys																		
1	5/27/23	Joe McFaddin, Rodney Aguirre, Jaden Drake	10:52am	1:19pm	78.6	87.0	2%	2%	1.6	1.2	33	7	0	0	0	0	0	0
2	6/1/23	Karla Lopez, Jaden Drake, Josue Leyva	9:52am	12:06pm	79.5	84.4	5%	10%	2.1	3.3	33	11	0	0	0	0	0	0
3	6/2/23	Karla Lopez, Jaden Drake, Josue Leyva	8:40am	10:56am	77.1	86.5	5%	5%	1.8	1.3	55	15	0	0	0	0	0	0
4	6/3/23	Karla Lopez, Jaden Drake, Josue Leyva	9:18am	12:13pm	77.3	89.8	5%	5%	0.6	4.1	48	20	0	0	0	0	0	0
5	6/4/23	Karla Lopez, Jaden Drake, Josue Leyva	8:24am	10:26am	78.9	89.7	5%	5%	3.7	5.3	68	14	0	0	0	0	0	0
6	6/24/23	Joey McFaddin, Joe McFaddin, Jordyn Pendola	10:27am	12:59pm	82.6	86.5	55%	60%	2.0	4.4	70	3	0	0	0	0	0	0
7	6/27/23	Joey McFaddin, Joe McFaddin	8:17am	10:54am	77.5	82.7	5%	2%	2.0	3.9	133	1	0	0	0	0	0	0
8	6/28/23	Joey McFaddin, Joe McFaddin	8:00am	10:47am	78.0	87.2	5%	5%	2.3	3.8	88	1	0	0	0	0	0	0
9	6/29/23	Joey McFaddin, Joe McFaddin	8:00am	10:52am	84.9	90.1	5%	5%	0.6	3.0	0	5	0	0	0	0	0	0
10	7/1/23	Joey McFaddin, Joe McFaddin, Jordyn Pendola	8:00am	9:03am	83.7	90.0	5%	5%	1.8	1.1	94	1	0	0	0	0	0	0
11	7/4/23	Rory Miller, Rodney Aguirre	8:10am	9:37am	88.3	91.2	1%	1%	2.0	2.6	18	0	0	0	0	0	0	0
12	7/9/23	Karla Lopez, Rodney Aguirre, Josue Leyva	8:11am	10:27am	78.3	82.6	5%	5%	1.7	2.2	131	2	0	0	0	0	0	0
Hatchling / Sub-Adult Surveys																		
1	8/17/23	Jeff Frank Solarzano, Joey McFaddin, Jaden Drake, Josue Leyva	10:25am	12:52pm	89.9	93.0	5%	5%	1.1	1.8	3	0	0	0	0	0	0	0
2	8/18/23	Karla Lopez, Jaden Drake, Josue Leyva	8:16am	10:28am	82.7	90.6	5%	5%	1.3	2.5	117	4	0	0	0	0	0	0
3	9/22/23	Jeff Frank Solarzano, Rory Miller, Josue Leyva	12:30pm	1:45pm	83.5	65.6	20%	20%	4.3	5.3	104	10	0	0	0	0	0	0
4	9/24/23	Dorothy Tran, Rodney Aguirre, Josue Leyva	9:43am	11:23am	78.1	81.4	0%	0%	1.0	2.0	114	0	0	0	0	0	0	0
5	9/29/23	Samantha Medellin, Josue Leyva	10:20am	11:48am	77.4	87.2	2%	2%	2.3	1.4	58	0	0	0	0	0	0	0

California Department of Fish and Wildlife Protocol Survey Requirements:
1) Four consecutive survey days occurred from June 12th through June 15th.
2) No more than eight days occurred within a 30-day period.
3) No more than five survey days occurred within any seven day period.



Protocol-Level Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Results Summary Table
Comanche T-Segment - ICF to Gorman Kern River Project

Survey Day	Survey Date	BNLL Surveyors (bold indicates Level II Surveyor)	Survey Timeframes		Air Temperatures (°F)		Cloud Cover (%)		Wind Speed (mph)		Other Lizard Species			Recorded Blunt-nosed Leopard Lizard (BNLL) (<i>Gambelia sila</i>)			
			Start Time	End Time	Start Temp	End Temp	Start Cloud Cover	End Cloud Cover	Start Speed	End Speed	Side-Blotched Lizard (<i>Uta stansburiana</i>)	California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>)	Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>)	Male	Female	Unknown	Hatchling/Sub-Adult
Adult Surveys																	
1	5/31/23	Dorothy Tran, Rodney Aguirre, Jaden Drake	11:15am	1:00pm	77.9	81.1	30%	5%	1.8	0.9	16	5	0	0	0	0	0
2	6/1/23	Jeffrank Solarzano, Rory Miller, Rodney Aguirre	9:22am	11:05am	78.8	84.6	20%	20%	3.2	3.7	19	2	0	0	0	0	0
3	6/2/23	Dorothy Tran, Rodney Aguirre, Rory Miller	9:09am	11:14am	78.4	88.3	5%	1%	0.1	3.2	12	2	0	0	0	0	0
4	6/3/23	Jeffrank Solarzano, Rodney Aguirre	9:45am	12:15pm	77.8	86.8	5%	5%	3.7	2.6	4	1	0	0	0	0	0
5	6/4/23	Jeffrank Solarzano, Rodney Aguirre	8:30am	10:55am	79.6	90.6	2%	2%	1.3	2.5	7	1	0	0	0	0	0
6	6/6/23	Joe McFaddin, Joey McFaddin	10:16am	12:20pm	77.5	83.0	30%	40%	0.9	1.2	0	0	0	0	0	0	0
7	6/23/23	Joe McFaddin, Joey McFaddin	11:26am	1:26pm	80.2	84.7	5%	5%	1.8	3.7	0	0	0	0	0	0	0
8	6/27/23	Joe McFaddin, Joey McFaddin	10:57am	1:19pm	84.8	91.0	5%	2%	4.0	5.9	21	8	0	0	0	0	0
9	7/2/23	Dorothy Tran, Paul Rosebush, Jaden Drake	8:00am	8:58am	88.9	95.1	0%	0%	1.0	1.0	13	2	0	0	0	0	0
10	7/3/23	Paul Rosebush, Josue Leyva	8:00am	9:20am	86.2	94.2	0%	0%	1.8	2.1	33	2	0	0	0	0	0
11	7/4/23	Paul Rosebush, Josue Leyva	8:00am	9:18am	79.9	94.0	1%	1%	1.2	1.0	40	0	0	0	0	0	0
12	7/6/23	Joey McFaddin, Rory Miller	9:40am	11:30am	86.0	92.0	1%	1%	1.2	2.1	25	1	0	0	0	0	0
1	8/17/23	Jeffrank Solarzano, Joey McFaddin, Jaden Drake, Josue Leyva	8:05am	8:45am	86.9	87.5	5%	5%	0.9	1.1	10	1	0	0	0	0	0
2	8/18/23	Jeffrank Solarzano, Joey McFaddin, Samantha Medellin	8:05am	9:15am	82.3	88.3	5%	5%	1.1	0.2	53	3	0	0	0	0	0
3	9/6/23	Rory Miller, Joey McFaddin, Josue Leyva	8:30am	9:33am	78.0	81.0	1%	1%	1.8	2.0	34	0	0	0	0	0	0
4	9/22/23	Jeffrank Solarzano, Rory Miller, Josue Leyva	10:05am	11:30am	77.3	79.9	5%	5%	2.7	3.8	35	3	0	0	0	0	0
5	9/24/23	Dorothy tran, Rodney Aguirre, Josue Leyva	12:31pm	1:50pm	86.2	88.6	0%	0%	1.3	1.3	39	3	0	0	0	0	0

California Department of Fish and Wildlife Protocol Survey Requirements:
1) Four consecutive survey days occurred from June 12th through June 15th.
2) No more than eight days occurred within a 30-day period.
3) No more than five survey days occurred within any seven day period.



Protocol-Level Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Results Summary Table
Rio Bravo Flat - ICF to Gorman Kern River Project

Survey Day	Survey Date	BNLL Surveyors (bold indicates Level II Surveyor)	Survey Timeframes		Air Temperatures (°F)		Cloud Cover (%)		Wind Speed (mph)		Other Lizard Species			Recorded Blunt-nosed Leopard Lizard (BNLL) (<i>Gambelia sila</i>)			
			Start Time	End Time	Start Temp	End Temp	Start Cloud Cover	End Cloud Cover	Start Speed	End Speed	Side-Blotched Lizard (<i>Uta stansburiana</i>)	California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>)	Blainsville Horned Lizard (<i>Phrynosoma blainvillii</i>)	Male	Female	Unknown	Hatchling/Sub-Adult
Adult Surveys																	
1	5/26/23	Jeffrank Solarzano, Rodney Aguirre	10:05am	10:45am	77.5	79.8	80%	80%	2.9	3.1	5	0	0	0	0	0	0
2	6/3/23	Dorothy Tran, Rory Miller, Samantha Medellin	8:50am	9:16am	78.3	79.8	1%	1%	0.9	2.7	11	0	0	0	0	0	0
3	6/4/23	Dorothy Tran, Rory Miller, Samantha Medellin	8:01am	8:24am	81.0	84.3	1%	1%	0.6	0.7	7	0	0	0	0	0	0
4	6/5/23	Rodney Aguirre, Samantha Medellin	8:00am	8:35am	77.8	80.3	15%	10%	1.7	1.4	5	0	0	0	0	0	0
5	6/19/23	Dorothy Tran, Jaden Drake	11:33am	11:59am	79.7	81.2	2%	5%	1.5	3.4	7	1	0	0	0	0	0
6	6/20/23	Samantha Medellin, Dorothy Tran, Rory Miller, Josue Leyva	12:45pm	1:12pm	80.7	81.1	0%	0%	4.5	3.9	4	2	0	0	0	0	0
7	6/21/23	Dorothy Tran, Rory Miller, Josue Leyva	8:56am	9:13am	78.0	78.5	0%	0%	3.6	1.8	10	0	0	0	0	0	0
8	6/22/23	Dorothy Tran, Jaden Drake	9:07am	9:39am	79.4	80.0	0%	0%	4.5	3.6	7	1	0	0	0	0	0
9	7/1/23	Paul Rosebush, Jaden Drake, Josue Leyva	8:00am	8:20am	82.6	84.8	0%	0%	4.8	5.8	2	0	0	0	0	0	0
10	7/4/23	Joe McFaddin, Joey McFaddin	9:55am	10:30am	91.2	93.9	0%	0%	4.7	6.7	2	3	0	0	0	0	0
11	7/10/23	Joe McFaddin, Joey McFaddin	11:12am	11:24am	84.3	92.1	0%	0%	1.8	1.9	4	2	0	0	0	0	0
12	7/12/23	Joe McFaddin, Joey McFaddin	9:47am	10:00am	91.5	92.1	0%	0%	0.2	0.1	0	1	0	0	0	0	0
1	8/17/23	Rory Miller, Rodney Aguirre	8:00am	8:20am	87.0	90.3	1%	1%	3.0	3.0	1	0	0	0	0	0	0
2	8/18/23	Rory Miller, Rodney Aguirre	8:00am	8:24am	83.0	84.0	1%	1%	3.0	2.0	2	0	0	0	0	0	0
3	8/26/23	Rodney Aguirre, Josue Leyva	9:40am	10:00am	81.3	83.1	5%	5%	1.9	1.4	7	0	0	0	0	0	0
4	9/15/23	Jeffrank Solarzano, Joey McFaddin	8:20am	8:45am	78.1	79.2	5%	5%	2.1	2.3	2	0	0	0	0	0	0
5	9/22/23	Dorothy Tran, Joey McFaddin	12:08pm	12:22pm	85.6	86.1	0%	0%	1.3	0.8	4	0	0	0	0	0	0

California Department of Fish and Wildlife Protocol Survey Requirements:
1) Four consecutive survey days occurred from June 12th through June 15th.
2) No more than eight days occurred within a 30-day period.
3) No more than five survey days occurred within any seven day period.



Protocol-Level Blunt-Nosed Leopard Lizard (*Gambelia sila*) Survey Results Summary Table
Sandridge - ICF to Gorman Kern River Project

Survey Day	Survey Date	BNLL Surveyors (bold indicates Level II Surveyor)	Survey Timeframes		Air Temperatures (°F)		Cloud Cover (%)		Wind Speed (mph)		Other Lizard Species			Recorded Blunt-nosed Leopard Lizard (BNLL) (<i>Gambusia sila</i>)				
			Start Time	End Time	Start Temp	End Temp	Start Cloud Cover	End Cloud Cover	Start Speed	End Speed	Side-Blotched Lizard (<i>Uta stansburiana</i>)	California Whiptail Lizard (<i>Aspidoscelis tigris munda</i>)	Blainsville Horned Lizard (<i>Phrynosoma blainvilli</i>)	Male	Female	Unknown	Hatchling/Sub-Adult	
Adult Surveys																		
1	5/26/23	Jeffrank Solarzano, Rodney Aguirre	12:45pm	1:30pm	86.2	87.8	20%	20%	3.6	3.4	7	4	0	0	0	0	0	0
2	6/3/23	Dorothy Tran, Rory Miller, Samantha Medellin	11:23am	12:05pm	84.3	85.7	1%	1%	0.8	3.6	4	1	0	0	0	0	0	0
3	6/4/23	Dorothy Tran, Rory Miller, Samantha Medellin	9:58am	10:38am	84.9	88.5	1%	1%	2.8	1.1	14	1	0	0	0	0	0	0
4	6/5/23	Rodney Aguirre, Samantha Medellin	11:04am	11:51am	86.1	91.6	55%	55%	1.5	2.2	5	0	0	0	0	0	0	0
5	6/19/23	Rodney Aguirre, Paul Rosebush	11:25am	12:05pm	83.4	83.8	5%	5%	1.0	3.5	1	1	0	0	0	0	0	0
6	6/20/23	Samantha Medellin, Josue Leyva	12:22pm	12:49pm	80.3	80.7	2%	2%	5.3	1.3	8	2	0	0	0	0	0	0
7	6/21/23	Dorothy Tran, Rory Miller, Josue Leyva	10:45am	11:13am	77.5	81.2	0%	1%	1.2	2.3	12	2	0	0	0	0	0	0
8	6/22/23	Dorothy Tran, Jaden Drake	11:40am	12:15pm	84.5	86.6	0%	0%	1.5	2.9	8	7	0	0	0	0	0	0
9	7/1/23	Joe McFaddin, Joey McFaddin, Jordyn Pendola	9:17am	9:49am	92.0	94.5	5%	2%	2.2	1.1	4	0	0	0	0	0	0	0
10	7/4/23	Joe McFaddin, Joey McFaddin	8:00am	10:30am	82.7	86.7	1%	1%	2.3	1.1	10	0	0	0	0	0	0	0
11	7/10/23	Joe McFaddin, Joey McFaddin	8:20am	9:15am	77.4	77.6	0%	0%	1.1	1.1	0	0	0	0	0	0	0	0
12	7/12/23	Joe McFaddin, Joey McFaddin	8:05am	8:30am	83.3	84.5	0%	0%	0.8	0.8	9	1	0	0	0	0	0	0
1	8/17/23	Rory Miller, Rodney Aguirre	9:55am	10:22am	93.5	95.0	0%	1%	1.0	2.0	8	0	0	0	0	0	0	0
2	8/18/23	Rory Miller, Rodney Aguirre	9:48am	10:35am	93.0	95.0	1%	1%	1.0	2.0	16	0	0	0	0	0	0	0
3	8/26/23	Rodney Aguirre, Josue Leyva	11:25am	12:00pm	88.8	90.6	5%	5%	1.3	1.4	17	1	0	0	0	0	0	0
4	9/15/23	Jeffrank Solarzano, Joey McFaddin	10:15am	10:55am	82.5	87.5	5%	5%	4.2	3.7	17	0	0	0	0	0	0	0
5	9/22/23	Dorothy Tran, Joey McFaddin	10:20am	10:52am	77.1	78.6	0%	0%	1.0	2.1	13	0	0	0	0	0	0	0

California Department of Fish and Wildlife Protocol Survey Requirements:
 1) Four consecutive survey days occurred from June 12th through June 15th.
 2) No more than eight days occurred within a 30-day period.
 3) No more than five survey days occurred within any seven day period.

Attachment D: California Natural Diversity Database Reporting Field Forms

CNDDDB Online Field Survey Form Report



California Natural Diversity Database
Department of Fish and Wildlife
1416 9th Street, Suite 1266
Sacramento, CA 95814
Fax: 916.324.0475
cnddb@wildlife.ca.gov
www.dfg.ca.gov/biogeodata/cnddb/



Source code TRA23F0001

Quad code 3511827

Occ. no. _____

EO index no. _____

Map index no. _____

This data has been reported to the CNDDDB, but may not have been evaluated by the CNDDDB staff

Scientific name: Masticophis flagellum ruddocki

Common name: San Joaquin coachwhip

Date of field work (mm-dd-yyyy): 06-29-2023

Comment about field work date(s): _____

OBSERVER INFORMATION

Observer: Dorothy Tran

Affiliation: MESA Biological LLC

Address: 9530 Hageman Rd. Suite B-130

Email: dorothy@mesabio.com

Phone: (661) 742-4454

Other observers: Joey McFaddin, Joe McFadden

DETERMINATION

Keyed in: _____

Compared w/ specimen at: _____

Compared w/ image in: _____

By another person: _____

Other: Incidental species of San Joaquin coachwhip was observed during protocol surveys for blunt nose leopard lizard

Identification explanation: _____

Identification confidence: Very confident

Species found: Yes If not found, why not? _____

Level of survey effort: _____

Total number of individuals: 1

Collection? No

Collection number: _____

Museum/Herbarium: _____

ANIMAL INFORMATION

How was the detection made? Seen

Number detected in each age class:

1

adults

juveniles

larvae

egg mass

unknown

Age class comment: _____

Site use description: _____

What was the observed behavior? Routine behavior

Describe any evidence of reproduction: N/A

Submitted: 11/01/2023

TRA23F0001

Page 1 of 2

SITE INFORMATION

Habitat description: Mixture of native/nonnative grasses and weedy vegetation

Slope: less than 15%

Land owner/manager:

Aspect:

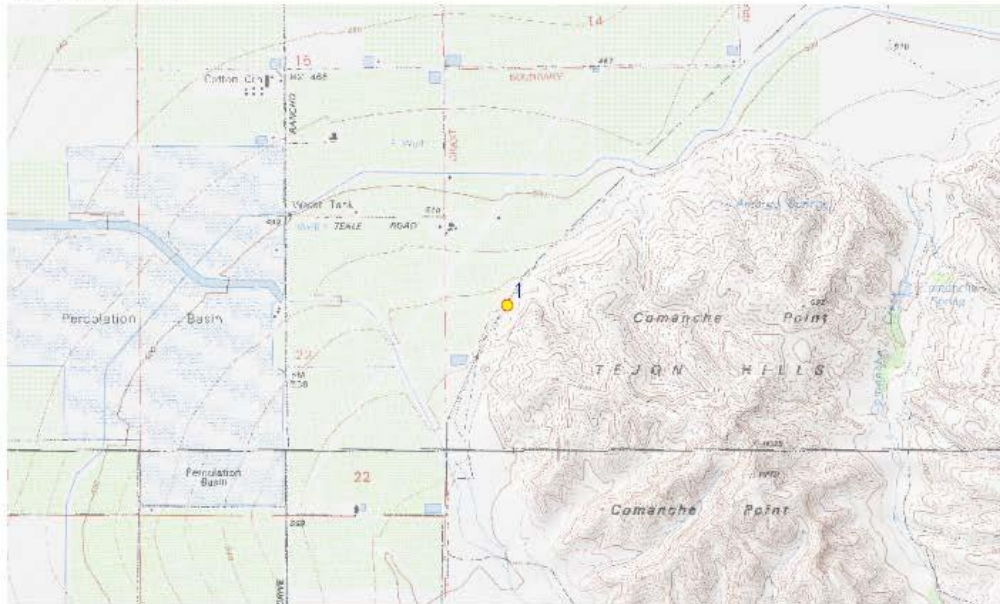
Site condition + population viability: Good

Immediate & surrounding land use: Open grasslands adjacent to agricultural farm lands along with California aqueduct

Visible disturbances: Dirt roads

Threats: Potential for future construction work in upcoming years, vehicle disturbance

General comments:

MAP INFORMATION

ID	County	24K Quadrangle	Elev. (ft)	Latitude NAD83	Longitude NAD83	UTM E NAD83	UTM N NAD83	UTM Zone
	Kern	Arvin	556	35.13212	-118.83741	332593	3889241	11
1	Public Land Survey	Feature Comment						
	M T32S R29E 23							

The mapped feature is accurate within: 100 m

Source of mapped feature: CNDDB online field survey tool

Mapping notes:

Location/directions comments:

Attachment(s):

CNDDDB Online Field Survey Form Report



California Natural Diversity Database
Department of Fish and Wildlife
1416 9th Street, Suite 1266
Sacramento, CA 95814
Fax: 916.324.0475
cnddb@wildlife.ca.gov
www.dfg.ca.gov/biogeodata/cnddb/



Source code TRA23F0002
Quad code 3511827
Occ. no. _____
EO index no. _____
Map index no. _____

This data has been reported to the CNDDDB, but may not have been evaluated by the CNDDDB staff

Scientific name: *Masticophis flagellum ruddocki*

Common name: San Joaquin coachwhip

Date of field work (mm-dd-yyyy): 09-22-2023

Comment about field work date(s): May 26th to September 29th

OBSERVER INFORMATION

Observer: Dorothy Tran

Affiliation: MESA Biological LLC

Address: 9530 Hageman Rd. Suite B-130

Email: dorothy@mesabio.com

Phone: (661) 742-4454

Other observers: Jeff Frank Solarzano, Josue Leyva, Rory Miller

DETERMINATION

Keyed in:

Compared w/ specimen at:

Compared w/ image in:

By another person:

Other: Incidental species of San Joaquin coachwhip was observed during protocol surveys for blunt nose leopard lizard

Identification explanation:

Identification confidence: Very confident

Species found: Yes If not found, why not?

Level of survey effort:

Total number of individuals: 1

Collection? No

Collection number:

Museum/Herbarium:

ANIMAL INFORMATION

How was the detection made? Seen

Number detected in each age class:

1

adults

juveniles

larvae

egg mass

unknown

Age class comment:

Site use description:

What was the observed behavior? Routine behavior

Describe any evidence of reproduction: N/A

Submitted: 11/01/2023

TRA23F0002

Page 1 of 2

SITE INFORMATION

Habitat description: Mixture of native/nonnative grasses and weedy vegetation

Slope: 20%

Land owner/manager:

Aspect:

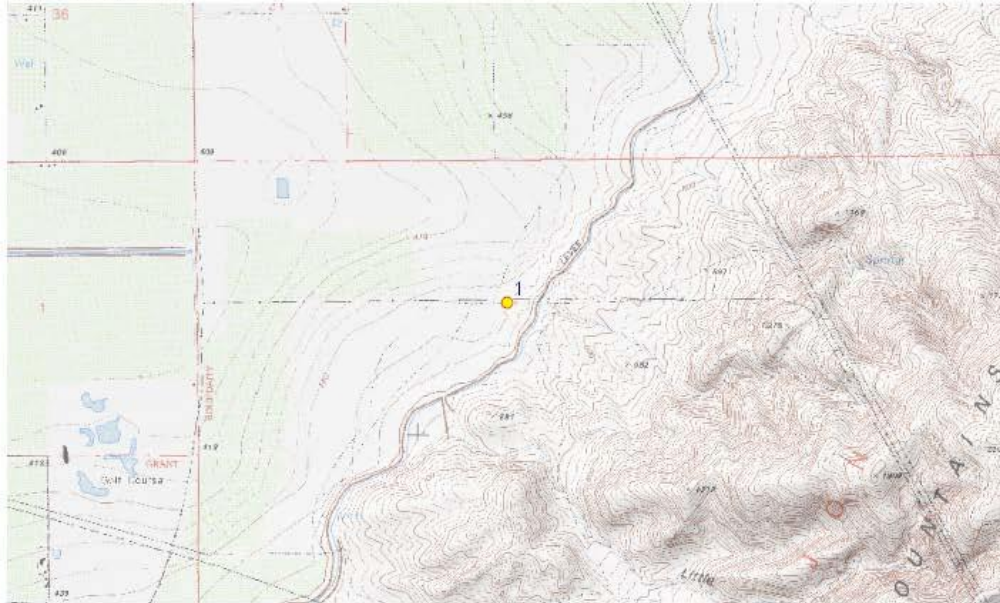
Site condition + population viability: Good

Immediate & surrounding land use: Open grasslands surrounded by occupied agricultural land use for growing produce and cattle feeding

Visible disturbances: Dirt roads, metal fencing

Threats: Potential for future construction work in upcoming years

General comments:

MAP INFORMATION

ID	County	24K Quadrangle	Elev. (ft)	Latitude NAD83	Longitude NAD83	UTM E NAD83	UTM N NAD83	UTM Zone
	Kern	Arvin	464	35.17309	-118.78724	337247	3893701	11
1	Public Land Survey	Feature Comment						
	M T32S R30E 5							

The mapped feature is accurate within: 100 m

Source of mapped feature: CNDDB online field survey tool

Mapping notes:

Location/directions comments:

Attachment(s):