

Appendix B-3
Supplemental Biotechnical Report:
2010 Botanical Survey

This page intentionally left blank

ELDORADO-IVANPAH TRANSMISSION PROJECT

**SUPPLEMENTAL
BIOTECHNICAL REPORT:
2010 BOTANICAL SURVEY**

Prepared for
Southern California Edison

Prepared by
AECOM

July 2010

TABLE OF CONTENTS

Introduction.....	1
Project Description.....	1
Survey Area Description.....	2
Methodology.....	3
Vegetation Resources.....	5
Vegetation Type Descriptions.....	5
Plant Associations.....	5
Invasive Weed Species.....	6
Special Status Species.....	7
Special Status Plants with the Potential to Occur in the Project Area.....	11
Results.....	14
Cacti and Yuccas.....	15
Invasive Weeds.....	15
Sensitive Plants.....	16
References.....	46

LIST OF TABLES

1. Special Status Plants with Potential to Occur in the California Portion of the Project Area.....	8
2. Special Status Plants with Potential to Occur in the Nevada Portion of the Project Area.....	10
3. Cactus and Yucca Observations with Area Surveyed and Sums.....	17
4. Rare Plants, Weeds, Site Information, and Figure Numbers.....	32

LIST OF FIGURES

Figure 1 Map of the Eldorado-Ivanpah Transmission Project Area.....	A1
Figures 2a-g Map of the Invasive Weed Observations.....	A2-A8
Figures 3a-g Map of the Sensitive Plant Observations.....	A9-A15
Figures 4 through 147 Site photographs of exist.....	C1-C72

APPENDICES

Invasive Weed and Sensitive Plant Observations - Map Series.....	Appendix A
List of Cacti and Yuccas, Invasive Plants and Sensitive Species Observed.....	Appendix B
Site Photographs.....	Appendix C
EITP Plant List.....	Appendix D

INTRODUCTION

The proposed Southern California Edison (SCE) Eldorado-Ivanpah Transmission Project (EITP, project area) proposes to replace the existing 115 kilovolt (kV) Eldorado-Coolwater-Dunn Siding-Mountain Pass transmission line with a new double-circuit 230kV line between the existing Eldorado Substation in the Eldorado Valley in Clark County, Nevada and the proposed Ivanpah Substation in the Ivanpah Valley in San Bernardino County, California. The purpose of the project is to transmit power from proposed renewable energy generation facilities in California and Nevada.

This Supplemental Biological Technical Report (SBTR) was prepared to support permits from federal, state, and local agencies in Nevada and California. Existing transmission towers, proposed transmission towers, the Ivanpah Substation, proposed telecommunication retrofits of existing towers and associated facilities, laydown areas, and conductor and telecommunication cable pull sites were surveyed in detail for the following:

- Cactus and Yucca Densities in Nevada
- Invasive Weeds in Nevada and California
- Sensitive Plants in Nevada and California

Surveys were used to document existing conditions for protected cactus and yucca species in Nevada, record occurrences of: invasive weeds and sensitive plants, within the project area. A preliminary list of cacti and yuccas was developed from a previous report (EPG 2008). A list of noxious weeds for Nevada (NDA 2005) and California (CDFA 2003) was consulted to determine status.

Some of the sensitive plants within the project have special status from county, state, or federal agencies (Table 1 and 2). Typically the status is related to rarity in the environment or a potential to become scarce from development. Federally listed species include those recognized by the U.S. Fish and Wildlife Service (FWS) as threatened or endangered under the Endangered Species Act. The BLM may designate species at the State Directors Office as sensitive, and other species can be tracked by state and local programs. In California and Nevada species are tracked by various departments or programs and counties may have species conservation programs that are tracked by local or state agencies.

In Nevada the Department of Conservation and Natural Resources tracks species at risk. This data is compiled by the Nevada Natural Heritage Program (NNHP). The NNHP also assigns rank indicators to plant species based on rarity and perceived level of threat. Nevada Revised Statute 527 also protects species threatened with extinction, as well as cacti and yuccas. Clark County has implemented a Multiple Species Habitat Conservation Plan that coordinates with the NNHP.

In California, sensitive plant species are tracked and monitored by the California Department of Fish and Game (CDFG) via their California Natural Diversity Database (CNDDDB). In California the California Native Plant Society's list of sensitive species is followed closely by CDFG. The

State of California through the Fish and Game Code may also formally designate plants by listing them as threatened or endangered.

A SCE contingent employee, and a contract biologist with the Environmental Planning Group (EPG) conducted botanical investigations along the existing rights-of-way (ROW), the proposed ROW and several alternates, at the site of the proposed Ivanpah substation, and along a proposed secondary telecommunication alternative supporting fiber optic ground wire (OPGW) placement with associated facilities related to the telecommunications route. The following supplemental report summarizes findings made by biologists during the spring of 2010. This supplemental report is based on the Eldorado-Ivanpah Transmission Project, Biological Technical Report produced by the Environmental Planning Group, Inc. (EPG) in 2008.

PROJECT DESCRIPTION

The project proposes to replace an existing 115kV transmission line built in the early 1930s to provide electrical power for the construction of Hoover Dam. Replacement of the line will occur between the existing Eldorado Substation in Boulder City, in Clark County, Nevada and the proposed Ivanpah Substation near Ivanpah Dry Lake in eastern San Bernardino County, California. The existing 115kV line is composed primarily of lattice steel H-frame structures with three conductors and occasionally with two- and three-pole wooden structures as replacements.

Lattice steel towers or steel poles will replace the existing structures for the new EITP 230kV double-circuit line. Due to the increased tower heights and span lengths it is likely that the majority of the new towers will be placed in new locations that will require construction of new temporary or permanent spur roads from the existing main access road. In one section of the project area, through the pass in the McCullough Range, the towers will be placed upon the existing tower locations. Alternative A and D will deviate from the existing SCE right-of-way at several locations either to provide a more efficient route, to cross other transmission lines, or to avoid resources. These alternatives were included in the survey area as well.

The proposed Ivanpah Substation site is located on the west side of Ivanpah Dry Lake adjacent to the existing SCE right of way. In addition to the new OPGW on the new 230kV transmission line, a secondary telecommunications route for the telecommunications facilities associated with the Ivanpah Substation will be constructed using existing and new infrastructure. This secondary route will use new OPGW on the existing Eldorado-Lugo 500kV line that will be retrofitted to hold the new OPGW. Where the Eldorado-Lugo line crosses Nipton Road/Highway 164, the OPGW will transition from overhead on the Eldorado-Lugo transmission line and to a new underground conduit within the existing disturbed road shoulder of Nipton Road/Highway 164 to Nipton, California. From Nipton, the telecommunications line will be installed underground to a new microwave communication system which will be connected by microwave signal to a second transmitter in the proposed Ivanpah Substation across the valley.

Survey Area Description

The EITP consists of an approximately 35 mile transmission line and 30 miles of new telecommunication line along routes from southern Clark County, Nevada into the eastern edge of San Bernardino, California, west of Ivanpah Dry Lake. About 222 acres was surveyed along the EITP. The majority of the project is within Nevada. The Eldorado substation is the eastern terminus of the transmission and telecommunications project, within Boulder City, Nevada. The transmission route starts at the Eldorado substation and travels up the north edge of alluvial deposits to the McCullough Range and west across an unnamed pass through the mountains and descends the alluvial deposit toward the northern end of the Lucy Gray Mountains. From the Lucy Gray Mountains the line heads south and wraps around the eastern edge of Roach Dry Lake and crosses the Nevada-California border at Primm, Nevada. From Primm the Transmission line will follow the existing 115kV transmission line corridor directly to the proposed Ivanpah Substation site. Transmission Alternative A starts at the Eldorado Substation but heads directly towards the McCullough Range. Transmission Alternative D jogs around Primm and crosses the Ivanpah Dry Lake bed to the south of the proposed route. Each of the existing and proposed tower sites was investigated, as well as laydown areas and conductor pulling sites along these routes.

The secondary telecommunications route will be installed on the existing Eldorado-Lugo 500kV transmission line in Southern Nevada and terminate in eastern San Bernardino County at the proposed microwave site at Nipton, California. The Eldorado-Lugo line starts in the Eldorado substation and continues south up the Eldorado Valley between the McCullough Range and the Highland Range. The line bends toward the west meeting up with Nevada State Route (SR) 164. The OPGW will follow SR 164 into California where the name changes to Nipton Road. The cable will be buried in a conduit on the north side of the road, within the disturbed road shoulder, for about 4.5 miles to Nipton. From Nipton the fiber optic cable will be installed underground approximately 0.7 miles to the proposed microwave facility for communication with the Ivanpah substation across the valley. The survey area included each tower that was indicated for retrofitting for OPGW as well as OPGW pulling sites and disturbance areas along the underground cable conduit route along Nipton Road and to the microwave communications facility and the facility. The previous Biological Survey Report (EPG 2008) documented animal and plant inventories in these areas.

METHODOLOGY

Field Botanists from EPG (Glenn Clifton) and AECOM (Joseph Betzler) conducted pedestrian surveys for the project area from March 29 to April 3, and April 8, 16, and 22, 2010. Previously EPG biologists conducted rare plant surveys April 7 to 10, April 14 to 15, August 25 to 26, and October 27 to 28, 2008 (EPG 2008). This Supplemental Biotechnical Report is not intended to repeat those surveys, however rare plants were noted here to supplement that work. For this report cactus and yucca plants were inventoried around each existing and proposed tower site, proposed disturbance areas used for pulling conductors or OPGW, unsurveyed laydown areas, and telecommunications infrastructure. Occasionally random surveys were used in areas where the terrain and the plant community was uniform. The numbers and species of cactus and yuccas

were recorded (Table 3), and the square foot area was noted (Table 3). Rare plants and weeds were recorded as part of the survey (Table 4).

The survey area included the entire existing transmission line route from Eldorado Substation west to the proposed Ivanpah Substation site. Surveys were performed along EITP Alternative A, from near the Eldorado Substation to the west, and Alternative D near Primm, Nevada. The proposed telecommunications route along the Eldorado-Lugo 500kV transmission line and Nipton Road/Highway 164 to Nipton, California and then to the microwave communications transmitter north of Nipton.

Surveys consisted of three types: walking three meter transects within the proposed disturbance areas; walking a random survey area 10 meters by 100 meters, with two transects out and back which fall within rare plant survey protocols outlined in Cypher (2002); or using intuitive controlled survey techniques outlined by the Bureau of Land Management (BLM) in Whiteaker et al (1998). The majority of the project area was surveyed by walking within the proposed disturbance areas for removing existing towers, installation of new towers, laydown areas, conductor and OPGW pulling sites. Cactus and yucca counts were made for areas within Nevada to meet BLM requirements for these state protected species (all cacti and yuccas are protected in Nevada) . In Nevada and California rare plants were recorded within the proposed disturbance areas. Weed species were recorded within the disturbance areas and within the proposed corridor ROW. Sensitive plants were each given a separate waypoint. Generally weeds occur in groups and recorded waypoints represent the outer edges of a patch when grouped together (a polygon). All coordinates are recorded in decimal degrees (NAD 83 datum). Photo points and locations of all observations were recorded with a hand-held global positioning unit (GPS).

Eighteen random surveys were made along expanses of uniform habitat from the center of the ROW. The survey location and orientations were based on a random number table. At mile 0 on the EITP ROW, a random number was chosen, 0 to 9, to determine the mile stopping point along the project area ROW to the 1/10th mile, then the direction of the survey along the north-south axis for an even random number or the east-west axis for an odd random number. The heading was determined with even numbers for starting out in the north and heading to south or east to west, for odd numbers the heading started out south heading north or west to east. Cactus and yucca counts were made within five meters to either side of the 100 meter transect. One of the surveys, Survey06, fell outside of the project area and was not completed.

Equipment used for the surveys consisted of a primary GPS unit and a back-up, survey forms, random number table, digital camera, compass, local floras and plant lists, detailed maps and project documents, four wheel drive vehicle to get to each site, plus proper clothing, and associated desert gear for safety.

Weather conditions for the survey dates were generally cool in the mornings; between 55 to 60 degrees Fahrenheit. The highest temperatures for the dates listed were about 80 degrees Fahrenheit. The air was generally calm with light intermittent breezes. The cloud cover was high and broker to clear.

A list of sensitive species likely to occur in the area was compiled from the previous Biological Technical Report (EPG 2008) to assist in the location of species for the current survey. Nevada and California noxious weed lists (California 2003, Nevada 2005) were consulted to check current status of weeds noted along the survey area.

VEGETATION RESOURCES

Vegetation Type Descriptions

As detailed previously (EPG 2008), five main vegetation types are located within the Project area: black bush series; catclaw acacia series (desert wash habitat); creosote scrub/creosote-white bursage scrub; Joshua tree series; and mixed saltbush series (saltbush scrub). Throughout the EITP disturbed areas occur including paved roads, parking lots, highways, access roads, cleared lots, mining operations, OHV trails and staging areas.

Saltbush Series

Saltbush scrub typically has low plant species diversity dominated by saltbush species, white bursage, and big galleta (*Pleuraphis rigida*) located in highly alkaline soils around the perimeter of the dry lake beds. Vegetation is an intermittent to open canopy, generally less than two feet in height. Generally this vegetation is bounded by creosote bush-white bursage scrub and open areas. Cacti and yuccas are sparse in these areas: cylindropuntias may be seen occasionally.

Creosote Bush Series/Creosote Bush-White Bursage Series

The creosote bush-white bursage scrub, is dominated by creosote bush and can have a variety of other perennial shrubs, including four-wing saltbush (*Atriplex canescens*), allscale (*A. polycarpa*), spiny senna (*Senna armata*), cheesebush (*Hymenoclea salsola*), and sweetbush (*Bebbia juncea*). A variety of other perennial and annual plants occur within this plant community. For the SBTR most of the survey area is of this habitat type. Cacti and yucca commonly occur in this community type. Cacti species present can include foxtail cactus (*Escobaria* cf. *vivipara* var. *deserti*), Buckhorn cholla (*Cylindropuntia acanthocarpa*), Wiggins' cholla (*Cylindropuntia echinocarpa*), pencil cholla, (*Cylindropuntia ramosissima*), Engelmann's hedgehog cactus (*Echinocereus engelmannii*), Johnson's fishhook cactus (*Echinomastus johnsonii*), cottontop cactus (*Echinocereus polycephalus*), California barrel cactus (*Ferocactus cylindraceus*), Matted cholla (*Grusonia parishii*), fishhook cactus (*Mammillaria tetrancistra*), beavertail cactus (*Opuntia basilaris*), Mojave prickly-pear (*Opuntia erinacea*), and Mojave yucca (*Yucca schidigera*).

Joshua Tree Series

Joshua tree woodland occurs at middle elevations in the Project area. This series is dominated by Joshua trees as the over-story plant with Mojave yucca, ephedras (*Ephedra* sp.), cheesebush, California buckwheat (*Eriogonum fasciculatum*), and wolfberry (*Lycium andersonii*) present as common shrub species. Creosote bush is typically the lower boundary and black bush is typically at the upper limits. Cacti and yucca species seen within this community in the project area include foxtail cactus, Buckhorn cholla, Wiggins' cholla, pencil cholla, Engelmann's hedgehog cactus, Johnson's fishhook cactus, cottontop cactus, California barrel cactus, fishhook cactus,

beavertail cactus, pancake prickly-pear (*Opuntia chlorotica*), Mojave prickly-pear, Banana yucca (*Yucca baccata*), Joshua tree, and Mojave yucca.

Black Bush Series

This plant community, typical of mid-elevation desert mountains, is dominated by black bush and features occasional Utah juniper (*Juniperus osteosperma*), singleleaf pinyon (*Pinus monophylla*), and numerous shrub species including ephedra, turpentinebroom (*Thamnosma montana*), goldenbush (*Ericameria* sp.), Mexican bladder sage (*Salazaria mexicana*), desert lupine (*Lupinus shockleyi*), and desert paintbrush (*Castilleja angustifolia*). Black bush scrub intergrades with creosote bush scrub at lower elevations and Joshua tree woodland at higher elevations. Cacti and yucca present include foxtail cactus, Buckhorn cholla, Wiggins' cholla, Pencil cholla, Engelmann's hedgehog cactus, cottontop cactus, California barrel cactus, beavertail cactus, pancake prickly-pear, Mojave prickly-pear, Banana yucca, Joshua tree, and Mojave yucca.

Catclaw Acacia Series

Vegetation present within the numerous desert washes support widely scattered catclaw acacia and more commonly ephedra, cheesebush, and sweetbush. Vegetation along canyon bottoms and washes in the McCullough Range is shrub-dominated with no emergent tree species. Shrubs present include catclaw acacia, wolfberry, Virgin River brittlebush, and California buckwheat. Depending on the elevation of this series; most cacti and yuccas can be found within and near this azonal series.

Invasive Weed Species

The following weeds are in order of scientific name:

Sahara mustard

Sahara mustard (*Brassica tournefortii*) is an annual herb from 4 to 40 inches tall. Yellow flowers are borne at the end of an inflorescences that are produces from January to June. This species is expanding its range and is able to grow in undisturbed desert areas, it is from Asia (Cal-IPC 2010, Baldwin 2002). This plant is considered a noxious weed in Nevada where it is on List B (NDA 2005)

Crossflower, purple mustard

Crossflower or purple mustard (*Chorispora tenella*) is an annual herb 4 to 18 inches tall with large basin leaves. The purple flowers a borne on short inflorescences and reproduction is by seeds, it is from Europe (Baldwin 2002). It is common in waste places and agricultural areas. It is listed by California as a noxious weed on List B (CDFA 2003).

Russian thistle

Russian thistle (*Salsola tragus*) is an annual plant up to 3 feet tall that forms a rounded canopy of stiff stems. The leaves and small and form stiff bristles. The small flowers are greenish and inconspicuous. The plants grow in disturbed places (Hickman 1993) It is listed by California as a noxious weed in List C (CDFA 2003).

London Rocket

London Rocket (*Sisymbrium irio*) is an annual herb with basal leaves that are dissected. Flowers are yellow and form at the end of the stems, it is native to Europe (Hickman 1993). These plants grow near disturbed places where water pools in the winter and they grow faster than the native plants in the spring (Cal-IPC 2010). This species is not listed by Nevada or California, but it was recorded because of its invasive nature along the EITP corridor.

Tamarisk

Tamarisk (*Tamarix* sp.) is a shrub or small tree that can be found along wet areas in the desert. They are plants from Asia and India with pink to white flowers that are borne at the ends of the branches from May to July (Hickman 1993). This species is listed as a noxious weed in Nevada on the Category C Weed list (NDA 2005).

Special Status Species

Tables 1 and 2 were developed for the Biological Technical Report (EPG 2008). The tables have been modified in this report to reflect the current proposed project area and alternatives. The SBTR survey did not include the Mountain Pass alternative, or the telecommunications route from Nipton to the Mountain Pass Substation. The telecommunication alternative investigated here includes the microwave transmission facility in Nipton, California that will transmit data directly to the Ivanpah Substation. Alternative A and D were included in the survey area. The tables represent special status plant species with the greatest probability of occurrence within these California and Nevada portions of the project area.

Table 1. Special Status Plants with Potential to Occur in The California Portion Of The Project Area

Common Name	Scientific Name	Habitat	Status	Potential
PLANTS				
Small-flowered androstephium	<i>Androstephium breviflorum</i>	Mojave desertscrub	S1.3	O
White bearpoppy	<i>Arctomecon merriamii</i>	Mojave desertscrub	S2.2	L
Mojave milkweed	<i>Asclepias nyctaginifolia</i>	Arroyos and dry slopes in Mojave desertscrub	S1	O
Black grama	<i>Bouteloua eriopoda</i>	Dry, open, sandy to rocky slopes, flats, washes, scrub, woodland.	S3.2	U
Gilman’s Cymopterus	<i>Cymopterus gilmanii</i>	Limestone or gypseous soils at 1,000 to 2,000 meters	S2.2	L
Utah vine milkweed	<i>Cynanchum utahense</i>	Sandy to gravelly soils in Mojave Desertscrub at 150-1,420 meters	BLM, S3.3	O
Desert pincushion	<i>Escobaria vivipara</i> var. <i>deserti</i> *	Limestone soils 1,000 to 2,400 meters	S2.2	O
Viviparous foxtail cactus	<i>Escobaria vivipara</i> var. <i>rosea</i> **	Sandy to rocky soils	S1, S2	L
Nine-awned pappus grass	<i>Enneapogon desvauxi</i>	Rocky slopes or in crevices on calcareous soils in desert woodland; piñon-juniper at 1,275 to 1,825 meters	S2?	O
California Barrel Cactus	<i>Ferocactus cylindraceus</i>	Gravelly or rocky hillsides, canyons, and alluvial fans	BLM‡	O
Parish club cholla	<i>Grusonia parishii</i>	Joshua tree habitat, this plant is present on the proposed Ivanpah Substation site	S2.3	O
Fineleaf Hymenopappus	<i>Hymenopappus filifolius</i> var. <i>eriopodus</i>	Limestone soils in piñon-juniper habitat in the New York and Clark mountains	S1.3	L
Plains flax	<i>Linum puberulum</i>	Dry ridges of desert mountains at 1,000 to 2,500 meters	S2.3	L
Rough Menodora	<i>Menodora scabra</i>	Rocky soils of canyons in the New York and Clark mountains	S2.3	L
Polished blazing star	<i>Mentzelia polita</i>	Limestone or gypseous soils between 1,200 and 1,500 meters in the Clark Mountains; associated with <i>Ephedra nevadensis</i> and <i>Rhus</i> spp.	S1.2	L
Curved-spine beavertail	<i>Opuntia curvospina</i>	Mojave desertscrub	S1.2	L
Rosy two-toned beardtongue	<i>Penstemon bicolor</i> ssp. <i>roseus</i>	Mojave desertscrub	S1.3	L
Stephens’ penstemon	<i>Penstemon stephensii</i>	Mojave desertscrub or piñon-juniper woodland	BLM‡	L
Johnson’s beehive cactus	<i>Sclerocactus johnsonii</i>	Creosote bush habitat on granitic soils from 500 to 1,200 meters	S1.3	U
Status: FT = Federally listed as Threatened (ESA) BLM = Bureau of Land Management sensitive species; BLM? – not on BLM list of sensitive plants FPS – State of California Fully Protected Species ST = California listed Threatened CNDDDB State Ranking:				

Common Name	Scientific Name	Habitat	Status	Potential
<p>S1 = Less than 6 Elements of Occurance (EOs), OR less than 1,000 individuals, Or less than 2,000 acres S1.1 = very threatened S1.2 = threatened S1.3 = no current threats known S2 = 6-20 EOs, OR 1,000-3,000 individuals, OR 2,000-10,000 acres S2.1 = very threatened S2.2 = threatened S2.3 = no current threats known S3 = 21-100 EOs, OR 3,000-10,000 individuals, OR 10,000-50,000 acres S3.1 = very threatened S3.2 = threatened S3.3 = no current threats known S4 = Apparently secure within California. NO THREAT RANK S5 = Demonstrably secure to ineradicable in California. NO THREAT RANK</p> <p>Potential of Occurrence: L – Likely (moderate or better potential) U – Unlikely (low potential) O – Observed During Reconnaissance Studies</p> <p>References: Benson, L. 1982; CDFG 2003; Jepson 2008.</p> <p>*synonym: <i>Coryphantha chlorantha</i>. ** synonym: <i>Coryphantha vivipara</i> var. <i>rosea</i> ‡ BLM sensitive species not listed in the CNDDDB database.</p> <p>Potential of Occurrence: L – Likely (moderate or better potential) U – Unlikely (low potential) O – Observed During Reconnaissance Studies</p>				

Table 2. Special Status Plant Species with Potential to Occur in the Nevada Portion Of The Project Area

Common Name	Scientific Name	Habitat	Status	Potential
PLANTS				
White bearpoppy	<i>Arctomecon merriamii</i>	Creosote bush scrub, limestone outcrops and dry lake beds	BLM, W	L
Rosy twotone beardtongue	<i>Penstemon bicolor ssp. roseus</i>	Rocky, calcareous soils in washes, on roadsides, or in scree at the base of outcrops – creosote bush or black bush desertscrub	BLM, ART	O
White-margined beardtongue	<i>Penstemon albomarginatus</i>	Sand dunes and/or deep, sandy soils	BLM, ART	O
<p>Status Codes:</p> <p>FT – Federally listed as threatened</p> <p>BLM – BLM sensitive species * Species detected during rare plant and/or reconnaissance surveys in spring 2008</p> <p>ST – Listed by the State of Nevada as threatened</p> <p>W – Nevada Native Plant Society (NNPS) Watch List species; potentially vulnerable to becoming threatened or endangered</p> <p>ART – Nevada Natural Heritage Program At Risk Taxa</p> <p>501 – Protected under NRS 501</p> <p>Potential of Occurrence: L – Likely (moderate or better potential)</p> <p>O – Observed During Reconnaissance Studies</p>				

Special Status Plants with the Potential to Occur in the Project Area

Small-flowered Androstephium

Small-flowered androstephium (*Androstephium breviflorum*) occurs in creosote bush communities in dry sandy habitat. It is a perennial herb arising from a bulb, forming few thin leaves and generally pale pink flowers appear between March and June (Baldwin 2002). It has a CNDDDB ranking of S1.2 (CDFG 2010) and a CNPS ranking on List 2.2 (CNPS 2010). This plant is present near the project area and a few small individuals have been recorded at the Ivanpah Substation site in 2009 (EPG 2008). It is protected in California.

White Bearpoppy

White bearpoppy (*Arctomecon merriamii*) is found from Death Valley in southeastern California to the Meadow Valley Wash of southeastern Nevada. The plants occur on generally barren, calcareous soils, alluvial gravels and carbonate rock outcrops. The white bearpoppy is an evergreen short lived perennial herb with white flowers borne in the spring (Baldwin 2002). The leaves are basal, rounded-dentate and blue green, with moderately with long and erect hairs making it recognizable when not in flower. It has a CNDDDB ranking of S2.2 (CDFG 2010) and a CNPS ranking on List 2.2 (CNPS 2010). It is protected in California. In Nevada it is listed by the BLM as sensitive and as an NNHP watch list species.

Mojave Milkweed

Mojave milkweed (*Asclepias nyctaginifolia*) occurs along shallow arroyos and on dry slopes in the Mojave Desert in the Ivanpah Valley. This perennial herb arises in the winter from an underground tuber (Baldwin 2002). Dark green leaves lay on the sand for a few months then dry up as the weather warms. The pale white flowers are short lived as well and are gone by the time the leaves dry in June. It has a CNDDDB status of S1 (CDFG 2010) and a CNPS ranking on List 2.1 (CNPS 2010). Mojave milkweed was found at one location within the California segment of the project approximately one half mile southwest of the proposed Ivanpah Substation site. This plant is protected in California and the rank has changed recently from S2 to its current S1 due to solar power development (CNPS 2010 notes for species).

Black Grama

Black grama (*Bouteloua eriopoda*) is a small perennial grass that occurs in dry habitats with sandy or rocky soils in flats, on slopes, along washes and in scrub and woodland communities, including piñon-juniper (Baldwin 2002). It has a CNDDDB ranking of S3.2 (CDFG 2010) and a CNPS ranking on List 4.2 (CNPS 2010). With the present proposed project area it is unlikely to occur.

Gilman's Cymopterus

Gilman's cymopterus (*Cymopterus gilmanii*) is a perennial herb that occurs in Mojave desertscrub habitat, often on carbonate substrates, green to purple flowers appear in from April to May. It has a CNDDDB ranking of S2.2 (CDFG 2010) and a CNPS ranking on List 2.3 (CNPS 2010). It is protected in California. This species could occur within the project area.

Utah Vine Milkweed

Utah vine milkweed (*Cynanchum utahense*) is a highly branched vine that grows on other shrubs for support. The plant typically grows on sandy to gravelly flats in creosote bush desert. The small yellow to orange flowers appear in April to June (Baldwin 2002). It has a state ranking of S3.3 (CDFG 2010) and a CNPS ranking on List 4.2 (CNPS 2010). The species was observed near the project area.

Desert Pincushion

The desert pincushion (*Escobaria vivipara* var. *deserti* synonym: *Coryphantha chlorantha*) is a cactus that occurs on limestone substrates in piñon-juniper woodland or on low hills and slopes in desert scrub in the Mojave Desert. It produces straw yellow, yellow-green, to pink flowers May to June (Baldwin 2002). It has a CNDDDB state ranking of S2.2 (CDFG 2010) and a CNPS ranking on List 2.1 (CNPS 2010). It is protected in California and Nevada. This species is likely to occur within the project area.

Viviparous Foxtail Cactus

Viviparous foxtail cactus (*Escobaria vivipara* var. *rosea* synonym: *Coryphantha vivipara* var. *rosea*) is a cactus that also occurs on limestone substrates in piñon-juniper woodland or on low hills and slopes in desert scrub in the Mojave Desert, it is considered rare, the flowers are purple to magenta flowers, and prized by collectors (Baldwin 2002). It has a CNDDDB state ranking of S2.2 (CDFG 2010) and a CNPS ranking on List 2.2 (CNPS 2010). It is protected in California and Nevada. This species is unlikely to occur within the project area.

Nine-awned Pappus Grass

Nine-awned pappus grass (*Enneapogon desvauxi*) occurs on calcareous soils, usually associated with slopes or rocky crevices in desert woodland habitat. The species ranges from Colorado and southern California east to west Texas, and south to Peru. Plant stems may reach about 20 inches in height, with the inflorescences present in August and September (Baldwin 2002). It has a CNDDDB state ranking of S2 (CDFG 2010) and a CNPS ranking on List 2.2 (CNPS 2010). It is protected in California. It was observed near the project area.

California Barrel Cactus

The California barrel cactus (*Ferocactus cylindraceus*) prefer gravelly to rocky hillsides, canyon walls and wash margins in the desert between about 200 and 5,000 feet. They occur in a wide area from Arizona, Nevada, California, and Utah in desert habitats. Two varieties can occur: var. *lecontei* occurs from roughly between 2,500 and 5,000 feet while var. *acanthodes* occurs between 200 and 1,500 feet elevation. In Nevada it is protected, and observations of this species were recorded California (EPG 2008).

Parrish Club Cholla (Matted Cholla)

Parrish club cholla (*Grusonia parishii* syn: *Opuntia parishii*) or matted cholla grows in sprawling mats. The species is known from the Mojave and Sonoran Deserts of Arizona, California, and Nevada. Flowers appear in May to June (Baldwin 2002). It has a CNDDDB state ranking of S2.3 (CDFG 2010) and a CNPS ranking on List 2.2 (CNPS 2010). It is protected in California and Nevada. This plant was observed in the Ivanpah Substation site and other locations near the project area (EPG 2008) and Nevada.

Plains Flax

Plains flax (*Linum puberulum*) is a small perennial herb grows on desert ridges, mountains and mesas. These perennial plants have yellow to orange flowers and can bloom between May and July (Baldwin 2002). It has a CNDDDB ranking of S2.3 (CDFG 2010) and a CNPS ranking on List 2.3 (CNPS 2010). It is protected in California. Plains flax was not observed within the project area during any of the surveys, but is likely to be present in some areas.

Rough Menodora

Rough menodora (*Menodora scabra*) is a shrub to about 18 inches in height that produces yellow flowers between May and September. It occurs on rocky soils of slopes, dry mesas, foothills, and canyons, the white flowers are borne in May (Baldwin 2002). It has a CNDDDB ranking of S2.3 (CDFG 2010) and a CNPS ranking on List 2.3 (CNPS 2010). It is protected in California. A single individual of rough menodora was observed near the project area.

Polished Blazing Star

The polished blazing star (*Mentzelia polita*) is an annual plant to about one foot tall with narrow white stems and peeling bark (Baldwin 2002). The plants grow on limestone soils and white to yellow flowers are borne in April or May. It has a CNDDDB state ranking of S1.2 (CDFG 2010) and a CNPS ranking on List 1B.2 (CNPS 2010). It is protected in California. This species could occur on suitable substrate in the project area.

Curve-spined Beavertail

The curve-spined beavertail cactus (*Opuntia curvospina*) is a recognized hybrid between *O. phaeacantha* and *O. chlorotica* that has been proposed as a distinct species. It occurs in desertscrub, chaparral, and piñon-juniper woodland and flowers between May to June (under *Opuntia chlorotica* in Baldwin 2002). This plant has a CNDDDB state ranking of S1.2 (CDFG 2010) and a CNPS ranking on List 2.2 (CNPS 2010). It is protected in California. The curve-spined beavertail cactus could be present within the project limits in suitable habitat, though it has not been observed.

White-margined Beardtongue

The white-margined beardtongue (*Penstemon albomarginatus*) is known from the Mojave Desert of southern Nevada, southeastern California, and northwestern Arizona. The leaves are white on the margins and the flowers are pink, borne on the plants from March to May (Baldwin 2002). Its range is limited to four discrete areas. This plant has a CNDDDB state ranking of S1 (CDFG 2010) and a CNPS ranking on List 1B.1 (CNPS 2010). It is protected in California and Nevada. It is a former Category 2 Candidate for federal listing, is currently a federal species of concern, and is designated a sensitive species by the BLM in Nevada and California (BLM 2009). It is also listed as an “at risk” species by the State of Nevada Natural Heritage Program. This plant was observed in Nevada.

Rosy Two-toned Beardtongue

The rosy two-toned beardtongue (*Penstemon bicolor* ssp. *roseus*) it is a calcareous soil obligate or near-obligate. The perennial herbs have stems up to 5 feet tall, leaves have strongly toothed

margins and are clasping (Baldwin 2002). The corolla is trumpet-shaped and the flowers are rose to rose-purple and borne in April to June. This plant has a CNDDDB state ranking of S1 (CDFG 2010) and a CNPS ranking on List 1B.1 (CNPS 2010). It is protected in California and Nevada. The BLM lists it as sensitive in Nevada and California. Specimens of this plant are present within the project area in Nevada.

Stephens' Penstemon

Stephens' penstemon (*Penstemon stephensii*) occurs on rocky slopes or in bedrock crevices, and along washes, usually associated with carbonate soils, the flowers are borne in April to June (Baldwin 2002). It has a CNDDDB ranking of S2 (CDFG 2010) and a CNPS ranking on List 1B.3 (CNPS 2010). It is protected in California. It is considered a sensitive species by the BLM in California. This species has not been observed during any of the Project field surveys, but suitable habitat is present in the Project area.

Johnson's Beehive Cactus

Johnson's beehive cactus (*Sclerocactus johnsonii* synonym: *Echinomastus johnsonii*) occurs in Creosote bush habitat on granitic soils and rocky habitats. The state of California assigns it a rank of S2.2 (CDFG 2010) and a CNPS ranking on List 2.2 (CNPS 2010). It is protected in California and Nevada. It was not observed in the project area in California, but is present in Nevada.

Cactus and Yuccas

In Nevada the BLM typically requires transplanting or salvage of cacti and yuccas and certain native plant species that may be lost to development on lands under their jurisdiction. In Nevada cacti and yuccas are protected, and a revegetation plan will need to be submitted and approved. Salvage and replanting after development will be required for most of these plants.

RESULTS

Surveys were made starting on March 29 and ended on April 16, 2010. Survey data was compiled into a database to record observations along the EITP project area and included surveys at existing tower locations, proposed tower locations, conductor and OPGW cable pulling sites, unsurveyed laydown areas, and random survey areas along uniform stretches of habitat. California and Nevada rare plants and weeds were noted and waypoints were recorded respective to state jurisdictions. For all of the locations in Nevada cacti and yucca counts were made for a 200 foot square area around tower sites, pull sites were typically larger. A compiled list of cacti observations is included Table 3.

Cacti and Yuccas Observed

Reviewing the results in Table 3 below there are totals for each species at the bottom of the columns. In summary, *Cylindropuntias* are the most common cactus species with 554 Wiggins' cholla and 491 Buckhorn cholla. Following these in descending order there were 157 beavertail cactus, 137 Engelmann's hedgehog cactus, 114 Pencil cholla, 67 California barrel cactus, 45 Johnson's fishhook cactus, 8 fishhook cactus, 7 Matted cholla, 6 pancake prickly-pear, 2 foxtail cactus, and a single cottontop cactus. Surprisingly, there were no Mojave prickly-pear (*Opuntia erinacea*) within the project area, although they were present at the upper elevations of the McCullough Range near Nevada SR 164, none were near the locations surveyed. There were also 32 Banana yucca, 102 Joshua trees, and 107 Mojave yuccas.

Reviewing the last column of Table 3, cacti and yuccas are most numerous around the McCullough Range. Cacti and yuccas do occur in the flat alluvial deposits, but the variety declines and numbers are not as great as they are around the mountains.

Due to the difference in protection in California, all cacti and yucca species counted. These plants were included in the California survey, Howe's hedgehog cactus (*Echinocereus engelmannii* var. *howei*), Johnson's fishhook cactus, any foxtail cactus or desert pincushion, California barrel cactus, and matted cholla. Since the Mountain Pass route was not considered here many of the cacti at these higher elevations were not rerecorded during this 2010 survey.

Invasive Weeds Observed

Table 4 contains the results of the rare plant and weed survey, as well as site identification, coordinate records, and other associated information. There were 127 weed locations noted during the survey. Most of the weeds are considered noxious, by Nevada or California except London rocket. See Appendix A Figures 2a – 2g for maps showing invasive plant observations.

The following species were observed in California, five Sahara mustard plants, a single crossflower, one Russian thistle, and four London rocket plants. In Nevada the following species were observed, one Sahara mustard plant, 38 Russian thistle plants, 20 London Rocket plants and two occurrences of Tamarisk in Primm.

The following weeds are on the Nevada Department of Agriculture Noxious Weed List (NDA 2010), Sahara mustard is on the Nevada Noxious Weed List B and Tamarisk is on the Nevada Noxious Weed List C. California Noxious Weed List (USDA 2010a), crossflower is on the California List B and Russian thistle in on the California List C.

London rocket is not listed as a noxious weed in Nevada or California, but it seems to have an expanding range. It was observed in low washes and areas where moisture accumulates. Red Brome (*Bromus madritensis* ssp. *rubens*) and Mediterranean grass (*Schismus* spp.) are not listed as noxious weeds, but they have invaded the southwest US. They are ubiquitous in most of the project area.

Sensitive Plants Observed

Four sensitive plant species were observed within the EITP project area. These include matted cholla (*Grusonia parishii*), Rosy two-toned beardtongue (*Penstemon bicolor* ssp. *roseus*), white-margined beardtongue (*Penstemon albomarginatus*), and Small-flowered androstephium (*Androstephium breviflorum*). Four plants of matted cholla were observed, three in Nevada and one in California. Thirty-two rosy two-toned beardtongue individuals were observed in Nevada, none on California. Eighty-eight white-margined beardtongue plants were observed in Nevada, and none in California. Lastly, three Small-flowered androstephium plants were noted in Nevada, none in California. Within the project area in 2010 only one rare plant was noted within the foot print of the Ivanpah Substation, matted cholla. In the 2008 botanical report small-flowered androstephium was noted at this site, however, these plants were not seen in 2010. See Appendix A Figures 3a – 3g for maps showing sensitive plant observations.

Table 3. Cactus and Yucca Observations with Area Surveyed and Sums

R ec #	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
A001																40,000	0
A002																40,000	0
A003																40,000	0
A004																40,000	0
A005																40,000	0
A006																40,000	0
A007			2								1					40,000	3
A008			2	1							1					40,000	4
A009			3								1					40,000	4
A010			11													40,000	11
A011			5													40,000	5
A012		1	5													40,000	6
A013		5	2								4					40,000	11
A014			2		1				1		2					40,000	6
A015		4		1	8											40,000	13
A016		3		1	1											40,000	5
A017		4		1	3				2							40,000	10
A018		4							1							40,000	5
A019		15		8	1			1	3		2				1	40,000	31
A020			3		1						1					40,000	5
A021			2	1							1					40,000	4
A022		2		1												40,000	3
A023			8													40,000	8
A024				1	1											40,000	2
A025															1	40,000	1
A026																40,000	0
A027																40,000	0
A028								1								40,000	1
A029		1														40,000	1

R ec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
A030			5		2						1					40,000	8
A031					1								1		13	80,000	15
A032					1										1	40,000	2
A033					2											40,000	2
A034		9									2			5	1	40,000	17
A035		16			1						3		2	4	3	120,000	29
A036		4	8		4									7		40000	23
A037		8	10		1								1	13	7	40000	40
A038	1				4		1							11		40000	17
A039			9										1	5		40000	15
A040		39	12		9							2	8	10	1	120,000	81
A041		4											4	4		40,000	12
A042		8			2							3	1	6		40,000	20
A043	1	11			10							1*	2	7		40,000	31
B001		2						1					1		4	40,000	8
B002			2										1	5		40,000	8
B003			16		1			5			2		9	24	6	120,000	63
B004			7		3			7				1		1		40,000	19
B005			1										1			40,000	2
B006																40,000	0
B007																n.a.	0
B008																n.a.	0
B009																n.a.	0
B010																n.a.	0
B011																n.a.	0
B012																n.a.	0
B013																n.a.	0
B014																n.a.	0
B015																40,000	0
B016																40,000	0
B017																40,000	0

Rec #	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
B018																40,000	0
B019																40,000	0
B020																40,000	0
B021																40,000	0
C001																40,000	0
C002																40,000	0
C003																40,000	0
C004																40,000	0
C005																40,000	0
C006																40,000	0
C007																40,000	0
C008																40,000	0
C009																40,000	0
C010																40,000	0
C011																40,000	0
C012																40,000	0
C013																40,000	0
C014																40,000	0
C015																40,000	0
C016																40,000	0
C017																40,000	0
C018																40,000	0
C019																40,000	0
C020																40,000	0
C021																40,000	0
C022																40,000	0
C023																40,000	0
C024																40,000	0
C025		1									1					40,000	2
C026																40,000	0
C027			4													40,000	4

Rec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
C028			1													40,000	1
C029			3								2					40,000	5
C030			1	1												40,000	2
C031			1								1					40,000	2
C032											3					40,000	3
C033			1	1												40,000	2
C034		1									2					40,000	3
C035																40,000	0
C036																40,000	0
C037			1													40,000	1
C038				1												40,000	1
C039			1													40,000	1
C040		1									1					40,000	2
C041																40,000	0
C042				2							1					40,000	3
C043		1		5												40,000	6
C044			1								1					40,000	2
C045				2												40,000	2
C046		1	1					4								40,000	6
C047				3	1											40,000	4
C048				1												40,000	1
C049				4							1					40,000	5
C050											1					40,000	1
C051											1					40,000	1
C052				2												40,000	2
C053				1							2					40,000	3
C054																40,000	0
C055					1						1					40,000	2
C056											2					40,000	2
C057				1												40,000	1
C058			1	1												40,000	2

Rec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
C059																40,000	0
C060		1														40,000	1
C061		1														40,000	1
C062		1														40,000	1
C063											1					40,000	1
C064				1												120,000	1
D001																n.a.	0
D002																n.a.	0
D003																n.a.	0
D004																n.a.	0
D005																n.a.	0
D006																n.a.	0
D007																n.a.	0
D008																n.a.	0
D009																n.a.	0
D010																n.a.	0
D011																n.a.	0
D012																n.a.	0
D013																n.a.	0
D014																n.a.	0
D015																n.a.	0
D016																n.a.	0
D017																n.a.	0
D018																n.a.	0
D019																n.a.	0
D020																n.a.	0
D021																n.a.	0
D022																n.a.	0
D023																n.a.	0
D024																n.a.	0
D025																n.a.	0

Rec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
D026																n.a.	0
D027																n.a.	0
D028																n.a.	0
D029																n.a.	0
D030																n.a.	0
D031																n.a.	0
D032																n.a.	0
D033																n.a.	0
D034																n.a.	0
D035																n.a.	0
D036																n.a.	0
D037																n.a.	0
D038																n.a.	0
D039																10,764	0
D040			2	2												10,764	4
D041																10,764	0
D042																10,764	0
D043		1									1					10,764	2
D044																10,764	0
D045		3									5					40,000	8
D046		2									1					40,000	3
D047		1									8					40,000	9
D048		2									1					40,000	3
D049																40,000	0
D050				1							1					40,000	2
D051											1					40,000	1
D052				1				1			2					60,000	4
D053								2			6					80,000	8
D054		1		1												40,000	2
D055																40,000	0
D056		1				2										40,000	3

R ec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
D057						1									1	40,000	2
D058																n.a.	0
D059																n.a.	0
D060																n.a.	0
D061																n.a.	0
D062																n.a.	0
D063																n.a.	0
D064																n.a.	0
D065		3			1	2				1	6				3	40,000	16
D066		2								1	2				1	40,000	6
D067		8			4	6					6					40,000	24
D068																n.a.	0
D069																n.a.	0
D070																n.a.	0
D071		14			1						1				1	40,000	17
D072								11			4					40,000	15
D073					2			4		4	2				1	40,000	13
D074		13														40,000	13
D075		13			6	4					1				2	80,000	26
E001		25			2	1		4							1	40,000	33
E002																n.a.	0
E003																n.a.	0
E004																n.a.	0
E005																n.a.	0
E006																n.a.	0
E007		8				3		4			2				2	40,000	19
E008		24			1						6				4	40,000	35
E009						9					6					40,000	15
E010		10						1							8	40,000	19
E011		3									2					40,000	5
E012		2								1					3	40,000	6

Rec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
E013																n.a.	0
E014																n.a.	0
E015																n.a.	0
E016																n.a.	0
E017																n.a.	0
E018																n.a.	0
E019																n.a.	0
E020																n.a.	0
E021																n.a.	0
E022																n.a.	0
E023																n.a.	0
E024																n.a.	0
E025																n.a.	0
E026																n.a.	0
E027																n.a.	0
E028																n.a.	0
E029					1											40,000	1
E030																n.a.	0
E031																n.a.	0
E032																n.a.	0
E033																n.a.	0
E034		1			1										1	40,000	3
E035																40,000	0
E036																n.a.	0
E037																n.a.	0
E038																40,000	0
E039								1			1					40,000	2
E040											1					40,000	1
E041			2		1										1	40,000	4
E042		2						2								40,000	4
E043		21		8	12			3		1					4	40,000	49

R ec #	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
E044		13			1	8					2				1	40,000	25
E045		12			7	2									4	40,000	25
E046		30		2	22			9			2				6	40,000	71
E047		21		7	3	1									2	40,000	34
E048		14			6						1				1	40,000	22
E049		5			1										1	40,000	7
E050		4		2							1				1	40,000	8
E051		3			1	1									4	40,000	9
E052		1			1										1	40,000	3
E053		2													3	40,000	5
E054				1							14					40,000	15
E055				1											1	40,000	2
E056											1				1	40,000	2
E057																40,000	0
E058																40,000	0
E059																n.a.	0
E060																10,764	0
E061			4								1					10,764	5
E062			4													10,764	4
E063			33								1				1	10,764	35
E064			14													10,764	14
E065			9	1							1					10,764	11
E066			3								2					10,764	5
E067			5	12											4	10,764	21
F001		2			1	5					1					40,000	9
F002		5														40,000	5
F003		30			1						4					40,000	35
F004		8									2				3	40,000	13
F005		14			1			1							2	40,000	18
F006		12			1						1					40,000	14
F007		1						2			1					40,000	4

R ec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
F008		1						1								40,000	2
F009								2								40,000	2
F010																40,000	0
F011											1					40,000	1
F012											2					40,000	2
F013		2									4					40,000	6
F014			10	1							1					10,764	12
F015																n.a.	0
F016																n.a.	0
F017			7	1												40,000	8
F018																n.a.	0
F019			10													40,000	10
F020			12	4												40,000	16
F021																n.a.	0
F022		1	38	2												40,000	41
F023																n.a.	0
F024			31	3												40,000	34
F025		1	32	8							1					40,000	42
F026			38	7												40,000	45
F027																n.a.	0
F028		1	17	5							5					40,000	28
F029																n.a.	0
F030			19	1												40,000	20
F031			6	1												20,000	7
F032																n.a.	0
F033																n.a.	0
F034																n.a.	0
F035																n.a.	0
F036																n.a.	0
F037																n.a.	0
F038																n.a.	0

Rec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
F039																n.a.	0
F040																n.a.	0
F041																n.a.	0
F042																n.a.	0
F043			2													40,000	2
F044																n.a.	0
F045																n.a.	0
F046																n.a.	0
F047																n.a.	0
F048																n.a.	0
F049			4													40,000	4
F050																n.a.	0
F051																n.a.	0
F052																n.a.	0
F053																n.a.	0
F054																n.a.	0
F055																n.a.	0
F056																n.a.	0
F057																n.a.	0
F058			4													40,000	4
F059			6	1												40,000	7
F060			7													40,000	7
F061			3													40,000	3
F062																n.a.	0
F063			2													40,000	2
F064																n.a.	0
F065			7													20,000	7
F066																n.a.	0
F067																n.a.	0
F068																n.a.	0
F069																n.a.	0

Rec #	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
F070																n.a.	0
F071																n.a.	0
F072																n.a.	0
F073																n.a.	0
F074			12													40,000	12
F075																n.a.	0
F076																n.a.	0
F077																n.a.	0
F078																n.a.	0
F079																n.a.	0
F080																n.a.	0
F081																n.a.	0
F082																n.a.	0
F083																n.a.	0
F084																n.a.	0
F085																n.a.	0
F086																n.a.	0
F087																n.a.	0
F088																n.a.	0
F089																n.a.	0
F090																n.a.	0
F091																n.a.	0
F092																n.a.	0
F093																n.a.	0
F094																n.a.	0
F095																n.a.	0
F096			12													40,000	12
F097			7													40,000	7
F098																n.a.	0
F099																n.a.	0
F100																n.a.	0

R ec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
F101																n.a.	0
F102																n.a.	0
F103																n.a.	0
F104																n.a.	0
F105																n.a.	0
F106																n.a.	0
F107																n.a.	0
F108			13													40,000	13
F109			12													40,000	12
F110																n.a.	0
F111																n.a.	0
F112																n.a.	0
F113																n.a.	0
F114																n.a.	0
F115																n.a.	0
F116																n.a.	0
F117																n.a.	0
F118																n.a.	0
F119																n.a.	0
F120																n.a.	0
F121																n.a.	0
F122																n.a.	0
F123																n.a.	0
F124																n.a.	0
F125																n.a.	0
F126																n.a.	0
F127			5													40,000	5
F128			20													60,000	20
F129																10,764	0
F130																10,764	0
F131			11													10,764	11

Rec#	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
G001																n.a.	0
G002																n.a.	0
G003																n.a.	0
G004																n.a.	0
G005																40,000	0
G006									1							substation boundary	1
G007																40,000	0
G008																40,000	0
G009																40,000	0
G010																40,000	0
G011																40,000	0
G012																40,000	0
G013																40,000	0
G014																40,000	0
G015																40,000	0
G016																40,000	0
G017																n.a.	0
G018																n.a.	0
G019																n.a.	0
H001																40,000	0
H002																40,000	0
H003																40,000	0
H004																40,000	0
H005																40,000	0
Sum	2	491	554	114	137	45	1	67	8	8	157	6	32	102	107		1,831

Key:		Total
ESVID	foxtail cactus (<i>Escobaria</i> cf. <i>vivipara</i> var. <i>deserti</i>)	2
CYAC	buckhorn cholla (<i>Cylindropuntia acanthocarpa</i> var. <i>coloradensis</i>)	491
CYEC	Wiggins' cholla (<i>Cylindropuntia echinocarpa</i>)	554
CYRA	Pencil cholla, (<i>Cylindropuntia ramosissima</i>)	114

R ec #	ESVID	CYAC	CYEC	CYRA	ECEN	ECJO	ECPO	FECY	GRPA	MATE	OPBA	OPCH	YUBA	YUBR	YUSC	Area sqft	Sum
	ECEN	Engelmann's hedgehog cactus (<i>Echinocereus engelmannii</i>)														137	
	ECJO	Johnson's fishhook cactus (<i>Echinomastus johnsonii</i>)														45	
	ECPO	cottontop cactus (<i>Echinocereus polycephalus</i>)														1	
	FECY	California barrel cactus (<i>Ferocactus cylindraceus</i>)														67	
	GRPA	matted cholla (<i>Grusonia parishii</i>)														7	
	MATE	fishhook cactus (<i>Mammillaria tetrancistra</i>)														8	
	OPBA	beavertail cactus (<i>Opuntia basilaris</i>)														157	
	OPCH	pancake prickley-pear (<i>Opuntia chlorotica</i>)														6	
	YUBA	banana yucca (<i>Yucca baccata</i>)														32	
	YUBR	Joshua tree (<i>Yucca brevifolia</i>)														102	
	YUSC	Mojave yucca (<i>Yucca schidigera</i>)														107	
	shaded	California survey area															

Table 4. Rare Plants, Weeds, Site Information, and Figure Numbers.

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
A001	none		M176T2	OPGW	35.78882	115.00924		no	no
A002	none		M176T1	OPGW	35.78895	115.00929		no	no
A003	none		M175T4	OPGW	35.78507	115.01120		no	no
A004	none		M175T3	OPGW	35.78139	115.01335		no	no
A005	none		M175T2	OPGW	35.77746	115.01572		no	no
A006	none		M175T1	OPGW	35.77382	115.01785		no	no
A007	C		M173T4	OPGW	35.75857	115.02663		no	no
A008	C		M173T3	OPGW	35.75101	115.03099	Fig 4	no	no
A009	C, W		M173T2	OPGW	35.75101	115.03099	Fig 5	no	no
A010	C, W		M173T1	OPGW	35.74741	115.03310	Fig 6	no	no
A011	C, W		M172T3	OPGW	35.74357	115.03519	Fig 7	no	no
A012	C		M172T2	OPGW	35.73979	115.03735	Fig 8	no	no
A013	C		M172T1	OPGW	35.73591	115.03960	Fig 9	no	no
A014	C		M171T3	OPGW	35.72873	115.04377	Fig 10	no	no
A015	C		M171T3	OPGW	35.72484	115.04602	Fig 11	no	no
A016	C		M171T1	OPGW	35.72102	115.04807	Fig 12	no	no
A017	C	GRPA	M170T3	OPGW	35.71441	115.05176	Fig 13	no	no
A018	C	GRPA	M170T2	OPGW	35.71038	115.05366	Fig 14	no	no
A019	C	GRPA	M170T1	OPGW	35.70659	115.05569	Fig 15	no	no
A020	C		M169T1	OPGW	35.69600	115.06126	Fig 16	no	no
A021	C		M168T4	OPGW	35.69216	115.06344	Fig 17	no	no
A022	C		M168T3	OPGW	35.68826	115.06569	Fig 18	no	no
A023	C		M168T2	OPGW	35.68433	115.06739	Fig 19	no	no
A024	C		M168T1	OPGW	35.68056	115.06953	Fig 20	no	no
A025	C		M167T3	OPGW	35.67345	115.07220		No	no
A026	none		M167T2	OPGW	35.66988	115.07332		No	no
A027	none		M166T3	OPGW	35.66281	115.07522		No	no
A028	C		M166T1	OPGW	35.65512	115.07711	Fig 21	No	no
A029	C		M164T4	OPGW	35.63670	115.08140	Fig 22	No	no
A030	C		M164T1	OPGW	35.62487	115.08418	Fig 23	no	no
A031	C		M163T4	OPGW	35.62124	115.08528	Fig 24	no	no
A032	C		M163T2	OPGW	35.61354	115.08689	Fig 25	no	no

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
A033	C		M163T1	OPGW	35.60991	115.08794	Fig 26	no	no
A034	C		M161T4	OPGW	35.59138	115.09213	Fig 27	no	no
A035	C		M160T5	OPGW	35.57764	115.09562	Fig 28	no	no
A036	C		M159T4	OPGW	35.56479	115.10030	Fig 29	no	no
A037	C		M159T3	OPGW	35.56182	115.10310	Fig 30	no	no
A038	C		M158T4	OPGW	35.55295	115.11143		no	no
A039	C		M158T1	OPGW	35.54359	115.12007	Fig 31	no	no
A040	C		M157T2	OPGW	35.53745	115.12594	Fig 32	no	no
A041	C		M157T1	OPGW	35.53396	115.12914	Fig 33	no	no
A042	C		M156T4	OPGW	35.53092	115.13196	Fig 34	no	no
A043	C		M156T3	OPGW	35.52796	115.13502	Fig 35	no	no
B001	C		M156 T1	OPGW	35.52172	115.14083	Fig 36	no	no
B002	C		M155 T5	OPGW	35.51868	115.14351	Fig 37	no	no
B003	C		M155 T2	OPGW	35.51172	115.15010	Fig 38	no	no
B004	C		Mi54 T3	OPGW	35.50706	115.15648	Fig 39	no	no
B005	C		M154 T2	OPGW	35.50466	115.15995	Fig 40	no	no
B006	none		M152	OPGW	35.48150	115.19253	Fig 41	no	no
B007	W	BRTO	Nipton Road		35.47520	115.22975		yes	no
B008	W	BRTO	Nipton Road		35.47442	115.23442		yes	no
B009	W	BRTO	Nipton Road		35.47437	115.23505		yes	no
B010	none		Microwave Road		35.47900	115.26860		no	no
B011	R	ANBR	DLS13	Alt D	35.59929	115.38120		no	yes
B012	R	ANBR	Rare plant		35.59909	115.38255		no	yes
B013	none		Laydown	Alt D	35.61452	115.36872		no	no
B014	none				35.61627	115.36783		no	no
B015	none		DLS02	Alt D	35.61636	115.37140		no	no
B016	none		DLS01	Alt D	35.62260	115.36641	Fig 42	no	no
B017	none		63/190	existing	35.62153	115.36771	Fig 43	no	no
B018	none			62 existing	35.62016	115.36956	Fig 44	no	no
B019	none			61 existing	35.61871	115.37135	Fig 45	no	no
B020	none			192 proposed	35.61841	115.37170		no	no
B021	W	SATR		60 existing	35.61730	115.37320	Fig 46	yes	no

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
C001	none		260	proposed	35.80038	115.00469	Fig 47	no	no
C002	none		Wash	nr Eldorado	35.79704	115.01690	Fig 48	no	no
C003	none		259	proposed				no	no
C004	none		258	proposed				no	no
C005	none		257	proposed				no	no
C006	none		256	proposed				no	no
C007	none		255	proposed				no	no
C008	none		254	proposed				no	no
C009	none		253	proposed				no	no
C010	none	SIIR	252	proposed				yes	no
C011	none		251	proposed				no	no
C012	none		250	proposed				no	no
C013	none		249	proposed				no	no
C014	none		248	proposed				no	no
C015	none		247?	proposed				no	no
C016	none		246	proposed				no	no
C017	none		13	proposed	35.79507	115.02552	Fig 49	no	no
C018	none		244	proposed				no	no
C019	none		243	proposed				no	no
C020	none		242	proposed				no	no
C021	none		241	proposed				no	no
C022	none		240	proposed				no	no
C023	none		239	proposed				no	no
C024	none		238	proposed				no	no
C025	C		20	proposed	35.80595	115.03100	Fig 50	no	no
C026	none		236	existing	35.80480	115.03282	Fig 51	no	no
C027	C		21	proposed	35.80444	115.03330		no	no
C028	C		235	proposed	35.80340	115.03486	Fig 52	no	no
C029	C		22	proposed	35.80287	115.03563		no	no
C030	C		?	existing	35.80207	115.03680	Fig 53	no	no
C031	C		23	proposed	35.80133	115.03790		no	no
C032	C		233	existing	35.80012	115.03967	Fig 54	no	no
C033	C		323	existing	35.79943	115.04071	Fig 55	no	no

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
C034	C		25	proposed	35.79819	115.04248		no	no
C035	none		231	existing	35.79809	115.04266	Fig 56	no	no
C036	none		230	existing	35.79679	115.04461		no	no
C037	C		229	existing	35.79552	115.04650		no	no
C038	C		27	proposed	35.79514	115.04696		no	no
C039	C		228	existing	35.79416	115.04848	Fig 57	no	no
C040	C		28	proposed	35.79360	115.04925		no	no
C041	none		227	existing	35.79283	115.05040	Fig 58	no	no
C042	C		27	proposed	35.79230	115.05110		no	no
C043	C		226	existing	35.79152	115.05233	Fig 59	no	no
C044	C		30	proposed	35.79047	115.05385		no	no
C045	C		225	existing	35.79020	115.05427	Fig 60	no	no
C046	C		224	existing	35.78887	115.05621	Fig 61	no	no
C047	C		29	proposed	35.78842	115.05683		no	no
C048	C		223	existing	35.78753	115.05815	Fig 62	no	no
C049	C		32	proposed	35.78735	115.05839		no	no
C050	C		30	proposed	35.78647	115.05969		no	no
C051	C		222	existing	35.78623	115.06006	Fig 63	no	no
C052	C		33	proposed	35.78579	115.06069		no	no
C053	C		221	existing	35.78490	115.06202	Fig 64	no	no
C054	none		34	proposed	35.78426	115.06294		no	no
C055	C		220	existing	35.78358	115.06398		no	no
C056	C		35	proposed	35.78268	115.06526		no	no
C057	C		36	proposed	35.78115	115.06754		no	no
C058	C		218	existing	35.78091	115.06785		no	no
C059	none		37	proposed/existing	35.77963	115.06979	Fig 65	no	no
C060	C		216	existing	35.77832	115.07174	Fig 66	no	no
C061	C		38	proposed	35.77801	115.07213		no	no
C062	C		215	existing	35.77698	115.07368	Fig 67	no	no
C063	C		214	existing	35.77566	115.07562	Fig 68	no	no
C064	C		213	existing	35.77433	115.07757	Fig 69	no	no
D001	W	SATR			35.80050	115.00663		yes	no
D002	W	SATR			35.80049	115.00596		yes	no

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
D003	W	SATR			35.80045	115.00700		yes	no
D004	W	SATR			35.80029	115.00792		yes	no
D005	W	SATR			35.80039	115.00881		yes	no
D006	W	SATR			35.80033	115.00939		yes	no
D007	W	SATR			35.80041	115.01022		yes	no
D008	W	SATR			35.80049	115.01046		yes	no
D009	W	SATR			35.80044	115.01074		yes	no
D010	W	SATR			35.79984	115.01190		yes	no
D011	W	SATR			35.79941	115.01234		yes	no
D012	W	SATR			35.79926	115.01262		yes	no
D013	W	SATR			35.79870	115.01377		yes	no
D014	W	SATR			35.79848	115.01432		yes	no
D015	W	SATR			35.79816	115.01482		yes	no
D016	W	SATR			35.79792	115.01532		yes	no
D017	W	SATR			35.79759	115.01584		yes	no
D018	W	SATR			35.79720	115.01655		yes	no
D019	W	SATR			35.79713	115.01688		yes	no
D020	W	SATR			35.79726	115.01817		yes	no
D021	W	SATR			35.79715	115.01839		yes	no
D022	W	SATR			35.79718	115.01708		yes	no
D023	W	SIIR			35.79716	115.01705		yes	no
D024	W	SIIR			35.79715	115.01703		yes	no
D025	W	SIIR			35.79721	115.01695		yes	no
D026	W	SIIR			35.79725	115.01689		yes	no
D027	W	SIIR			35.79774	115.01650		yes	no
D028	W	SIIR			35.79776	115.01594		yes	no
D029	W	SIIR			35.79790	115.01567		yes	no
D030	W	SIIR			35.79728	115.01672		yes	no
D031	W	SIIR			35.79724	115.01671		yes	no
D032	W	SIIR			35.79722	115.01673		yes	no
D033	W	SIIR			35.79713	115.01677		yes	no
D034	W	SIIR			35.79705	115.01675		yes	no
D035	W	SIIR			35.79699	115.01676		yes	no

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
D036	W	SIIR			35.79697	115.01676		yes	no
D037	W	SATR			35.79767	115.01915		yes	no
D038	W	SATR			35.79800	115.01999		yes	no
D039	none		Random	Survey01	35.79434	115.02865		no	no
D040	C		Random	Survey02	35.77987	115.05400		no	no
D041	none		Random	Survey03	35.77735	115.06071	Fig 70	no	no
D042	none		Random	Survey04	35.76967	115.07354	Fig 71	no	no
D043	C		Random	Survey05	35.76270	115.09126	Fig 72	no	no
D044	none		Random	Survey06				no	no
D045	C		48	proposed	35.76315	115.09387		no	no
D046	C		204	existing	35.76233	115.09503	Fig 73	no	no
D047	C		49	proposed	35.76183	115.09586		no	no
D048	C		203	existing	35.76105	115.09694	Fig 74	no	no
D049	none		44	proposed	35.76050	115.09779		no	no
D050	C		202	existing	35.75974	115.09888	Fig 75	no	no
D051	C		45	proposed	35.75918	115.09998		no	no
D052	C		46	proposed	35.75899	115.10066		no	no
D053	C		201/47 (53)	existing/proposed	35.75975	115.10123	Fig 76	no	no
D054	C		s.n.	proposed	35.75975	115.10298		no	no
D055	none		200	existing	35.75975	115.10361	Fig 77	no	no
D056	C		199/55	existing/proposed	35.75977	115.10596	Fig 78	no	no
D057	C		198/56	existing/proposed near Helicopter	35.75978	115.10836	Fig 79	no	no
D058	R	PEBIR	Rare plants	pad near Helicopter	35.76349	115.12283		no	yes
D059	R	PEBIR	Rare plants	pad near Helicopter	35.76229	115.13024		no	yes
D060	R	PEBIR	Rare plants	pad near Helicopter	35.76227	115.13022		no	yes
D061	R	PEBIR	Rare plants	pad near Helicopter	35.76212	115.13061		no	yes
D062	R	PEBIR	Rare plants	pad near Helicopter	35.76201	115.13084		no	yes
D063	R	PEBIR	Rare plants	pad	35.76119	115.13247		no	yes

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
D064	R	PEBIR	Rare plants	near Helicopter pad	35.76120	115.13247		no	yes
D065	C		188/56	existing/proposed	35.75996	115.13364	Fig 80	no	no
D066	C		187/50	existing/proposed	35.75960	115.13655	Fig 81	no	no
D067	C		186/67	existing/proposed	35.75920	115.13937	Fig 82	no	no
D068	R	PEBIR	Rare plants		35.75959	115.13944		no	yes
D069	R	PEBIR	Rare plants		35.75959	115.13948		no	yes
D070	R	PEBIR	Rare plants		35.75962	115.13946		no	yes
D071	C		185/68	existing/proposed	35.75821	115.14102	Fig 83	no	no
D072	C		184/59	existing/proposed	35.75722	115.14264	Fig 84	no	no
D073	C		183/70	existing/proposed	35.75599	115.14464	Fig 85	no	no
D074	C		182/71	existing/proposed	35.75490	115.14652	Fig 86	no	no
D075	C		181/72 (62)	existing/proposed	35.75364	115.14860	Fig 87	no	no
E001	C		180/73	existing/proposed	35.75447	115.15084	Fig 88	no	no
E002	R	PEBIR	Rare plants	Rare plants	35.75422	115.15087	Fig 89	no	yes
E003	R	PEBIR	Rare plants	Rare plants	35.75424	115.15069		no	yes
E004	R	PEBIR	Rare plants	Rare plants	35.75462	115.15014		no	yes
E005	R	PEBIR	Rare plants	Rare plants	35.75470	115.15004		no	yes
E006	R	PEBIR	Rare plants	Rare plants	35.75515	115.14945		no	yes
E007	C		179/74	existing/proposed	35.75543	115.15298	Fig 90	no	no
E008	C		178/75	existing/proposed	35.75626	115.15517	Fig 91	no	no
E009	C		177/76	existing/proposed	35.75724	115.15751	Fig 92	no	no
E010	C		176/77	existing/proposed	35.75775	115.16068	Fig 93	no	no
E011	C			67 proposed	35.75897	115.16368	Fig 94	no	no
E012	C, W	SIIR		175 existing	35.75829	115.16376	Fig 95	yes	no
E013	W	SIIR	n.a.	Begin	35.75824	115.16371		yes	no
E014	W	SIIR	n.a.	End	35.75829	115.16366		yes	no
E015	R	PEBIR	n.a.	Rare Plant	35.75795	115.16389		no	yes
E016	R	PEBIR	n.a.	Rare Plant	35.75794	115.16385		no	yes
E017	R	PEBIR	n.a.	Rare Plant	35.75792	115.16379		no	yes
E018	R	PEBIR	n.a.	Rare Plant	35.75792	115.16376		no	yes
E019	R	PEBIR	n.a.	Rare Plant	35.75794	115.16374		no	yes
E020	R	PEBIR	n.a.	Rare Plant	35.75792	115.16371		no	yes

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
E021	R	PEBIR	n.a.	Rare Plant	35.75790	115.16370		no	yes
E022	R	PEBIR	n.a.	Rare Plant	35.75800	115.16364		no	yes
E023	R	PEBIR	n.a.	Rare Plant	35.75804	115.16340		no	yes
E024	R	PEBIR	n.a.	Rare Plant	35.75823	115.16315		no	yes
E025	W	SIIR		Weeds	35.75829	115.16319		yes	no
E026	W	SATR		Weeds	35.75826	115.16327		yes	no
E027	none				35.75821	115.16329		no	no
E028	W	SIIR		Weeds	35.75820	115.16331		yes	no
E029	C		174	existing	35.75926	115.16578	Fig 96	no	no
E030	R	PEBIR		Rare plants	35.75969	115.16550		no	yes
E031	R	PEBIR		Rare plants	35.75978	115.16564		no	yes
E032	R	PEBIR		Rare plants	35.75970	115.16607		no	yes
E033	R	PEBIR		Rare plants	35.75966	115.16605		no	yes
E034	C		76 (76)	proposed	35.75972	115.16550	Fig 97	no	no
E035	R	PEBIR	69 existing	proposed	35.76045	115.16771		no	yes
E036	R	PEBIR	n.a.	Rare plants	35.76040	115.16767		no	yes
E037	R	PEBIR		Rare plants	35.76045	115.16761		no	yes
E038	none		173	existing	35.76025	115.16785	Fig 98	no	no
E039	C		171	existing	35.76126	115.16990	Fig 99	no	no
E040	C		81 (78)	proposed	35.76108	115.16946		no	no
E041	C		171/82 (71)	existing/proposed	35.76229	115.17191	Fig 100	no	no
E042	C		169/83	existing/proposed	35.76205	115.17430	Fig 101	no	no
E043	C		168/84	existing/proposed	35.76178	115.17668	Fig 102	no	no
E044	C		167/85	existing/proposed	35.76156	115.17880	Fig 103	no	no
E045	C		166/86 (74)	existing/proposed	35.76135	115.18107	Fig 104	no	no
E046	C		87	proposed	35.76116	115.18257		no	no
E047	C		88 (76)	proposed	35.76000	115.18241		no	no
E048	C		165	existing	35.76016	115.18343	Fig 105	no	no
E049	C		89 (77)	proposed	35.75964	115.18446		no	no
E050	C		164	existing	35.75897	115.18576	Fig 106	no	no
E051	C		90	proposed	35.75854	115.18667		no	no
E052	C		163	existing	35.75784	115.18807	Fig 107	no	no
E053	C		91	proposed	35.75737	115.18900		no	no

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
E054	C		162	existing	35.75668	115.19039	Fig 108	no	no
E055	C		92	proposed	35.75621	115.19130		no	no
E056	C		161	existing	35.75549	115.19267	Fig 109	no	no
E057	none		93	existing	35.75503	115.19359		no	no
E058	none		160	existing	35.75441	115.19481	Fig 110	no	no
E059	W	SATR		Dist. Race Track	35.71124	115.28150		yes	no
E060	none		Random	Survey07	35.75126	115.20102		no	mo
E061	C		Random	Survey08	35.74130	115.22076		no	no
E062	C		Random	Survey09	35.73739	115.22879		no	no
E063	C		Random	Survey10	35.73221	115.23873		no	no
E064	C		Random	Survey11	35.72993	115.24323		no	no
E065	C		Random	Survey12	35.72227	115.25837		no	no
E066	C		Random	Survey13	35.71111	115.28143		yes	no
E067	C		Random	Survey14	35.70873	115.28752		no	no
F001	C		64	proposed	35.75995	115.13168		no	no
F002	C		189	existing	35.75998	115.13114	Fig 111	no	no
F003	C		190	existing	35.75996	115.12858	Fig 112	no	no
F004	C		191	existing	35.75991	115.12609	Fig 113	no	no
F005	C		192	existing	35.75991	115.12355	Fig 114	no	no
F006	C		193	existing	35.75989	115.12102	Fig 115	no	no
F007	C		194	existing	35.75987	115.11849	Fig 116	no	no
F008	C		59	proposed	35.75987	115.11766		no	no
F009	C		195	existing	35.75985	115.11598	Fig 117	no	no
F010	none		58	proposed	35.75982	115.11471		no	no
F011	C		196	existing	35.75983	115.11345	Fig 118	no	no
F012	C		57	proposed	35.75980	115.11172		no	no
F013	C		197	existing	35.75981	115.11091	Fig 119	no	no
F014	C		Random	Survey15	35.69769	115.31358		no	no
F015	R	PEAL			35.69088	115.31752	Fig 120	no	yes
F016	R	ANBR			35.69141	115.31721	Fig 121	no	yes
F017	C		?	proposed	35.69217	115.31673		no	no
F018	R	PEAL			35.69062	115.31762	Fig 122	no	yes
F019	C		102	existing	35.69062	115.31762	Fig 123	no	yes

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
F020	C		150	proposed	35.69008	115.31796		no	no
F021	R	PEAL			35.69023	115.31800		no	yes
F022	C		101	existing	35.68875	115.31874	Fig 124	no	no
F023	R	PEAL			35.68876	115.31858		no	yes
F024	C		151	proposed	35.68794	115.31918		no	no
F025	C		100	existing	35.68687	115.31982	Fig 125	no	no
F026	C		152	proposed	35.68578	115.32042		no	no
F027	R	PEAL			35.68565	115.32062		no	yes
F028	C		99	existing	35.68497	115.32088	Fig 126	no	no
F029	R	PEAL			35.68502	115.32095		no	yes
F030	C		153	proposed	35.68362	115.32166		no	no
F031	C		98	existing	35.68312	115.32197	Fig 127	no	no
F032	R	PEAL			35.68312	115.32190		no	yes
F033	R	PEAL			35.68333	115.32189		no	yes
F034	R	PEAL			35.68343	115.32190		no	yes
F035	R	PEAL			35.68346	115.32188		no	yes
F036	R	PEAL			35.68341	115.32179		no	yes
F037	R	PEAL			35.68346	115.32173		no	yes
F038	R	PEAL			35.68348	115.32169		no	yes
F039	R	PEAL			35.68352	115.32177		no	yes
F040	R	PEAL			35.68328	115.32197		no	yes
F041	R	PEAL			35.68298	115.32208		no	yes
F042	R	PEAL			35.68305	115.32219		no	yes
F043	C		97	existing	35.68124	115.32303	Fig 128	no	no
F044	R	PEAL			35.68115	115.32314		no	yes
F045	R	PEAL			35.68112	115.32330		no	yes
F046	R	PEAL			35.68130	115.32319		no	yes
F047	R	PEAL			35.68147	115.32305		no	yes
F048	R	PEAL			35.67946	115.32414		no	yes
F049	C		96/155	existing/proposed	35.67939	115.32410	Fig 129	no	no
F050	R	PEAL			35.67933	115.32425		no	yes
F051	R	PEAL			35.67933	115.32427		no	yes
F052	R	PEAL			35.67931	115.32426		no	yes

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
F053	R	PEAL			35.67933	115.32425		no	yes
F054	R	PEAL			35.67918	115.32424		no	yes
F055	R	PEAL			35.67913	115.32416		no	yes
F056	R	PEAL			35.67929	115.32424		no	yes
F057	R	PEAL			35.67933	115.32427		no	yes
F058	C, W	SATR	95	existing	35.67751	115.32514	Fig 130	yes	no
F059	C		156	proposed	35.67724	115.32530		no	no
F060	C, W	SATR	94	existing	35.67565	115.32624	Fig 131	yes	no
F061	C, W	BRTO	157	proposed	35.67503	115.32659		yes	no
F062	R	PEAL			35.67486	115.32657		no	yes
F063	C	SATR	93	existing	35.67382	115.32731	Fig 132	yes	no
F064	R	PEAL			35.67375	115.32742		no	yes
F065	C, W	SATR	158	proposed	35.67292	115.32779		yes	no
F066	R	PEAL			35.67297	115.32779		no	yes
F067	R	PEAL			35.67298	115.32774		no	yes
F068	R	PEAL			35.67293	115.32769		no	yes
F069	R	PEAL			35.67291	115.32767		no	yes
F070	R	PEAL			35.67290	115.32763		no	yes
F071	R	PEAL			35.67291	115.32757		no	yes
F072	R	PEAL			35.67310	115.32765		no	yes
F073	R	PEAL			35.67204	115.32814		no	yes
F074	C, W	SATR	192	existing	35.67194	115.32837	Fig 133	yes	no
F075	R	PEAL			35.67178	115.32837		no	yes
F076	R	PEAL			35.67174	115.32853		no	yes
F077	R	PEAL			35.67174	115.32852		no	yes
F078	R	PEAL			35.67099	115.32889		no	yes
F079	R	PEAL			35.67098	115.32890		no	yes
F080	R	PEAL			35.67097	115.32895		no	yes
F081	R	PEAL			35.67086	115.32893		no	yes
F082	R	PEAL			35.67088	115.32898		no	yes
F083	R	PEAL			35.67086	115.32894		no	yes
F084	R	PEAL			35.67068	115.32878		no	yes
F085	R	PEAL			35.67072	115.32908		no	yes

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
F086	R	PEAL			35.67074	115.32912		no	yes
F087	R	PEAL			35.67074	115.32912		no	yes
F088	R	PEAL			35.67078	115.32912		no	yes
F089	R	PEAL			35.67071	115.32917		no	yes
F090	R	PEAL			35.67069	115.32910		no	yes
F091	R	PEAL			35.67063	115.32908		no	yes
F092	R	PEAL			35.67063	115.32917		no	yes
F093	R	PEAL			35.67052	115.32918		no	yes
F094	R	PEAL			35.67050	115.32905		no	yes
F095	R	PEAL			35.67062	115.32897		no	yes
F096	C		159	proposed	35.67070	115.32903		no	no
F097	C, W	SATR	91	existing	35.67008	115.32946		yes	no
F098	R	PEAL			35.67017	115.32933		no	yes
F099	R	PEAL			35.67018	115.32938		no	yes
F100	R	PEAL			35.67022	115.32943		no	yes
F101	R	PEAL			35.67001	115.32952		no	yes
F102	R	PEAL			35.67001	115.32951		no	yes
F103	R	PEAL			35.66994	115.32947		no	yes
F104	R	PEAL			35.66992	115.32949		no	yes
F105	R	PEAL			35.66989	115.32945		no	yes
F106	R	PEAL			35.66988	115.32954		no	yes
F107	R	PEAL			35.66853	115.33035		no	yes
F108	C		160	proposed	35.66859	115.33029		no	no
F109	C		90	existing	35.66819	115.33057		no	no
F110	R	PEAL			35.66804	115.33048		no	yes
F111	R	PEAL			35.66803	115.33050		no	yes
F112	R	PEAL			35.66804	115.33056		no	yes
F113	R	PEAL			35.66801	115.33057		no	yes
F114	R	PEAL			35.66799	115.33057		no	yes
F115	R	PEAL			35.66797	115.33057		no	yes
F116	R	PEAL			35.66795	115.33056		no	yes
F117	R	PEAL			35.66798	115.33062		no	yes
F118	R	PEAL			35.66798	115.33071		no	yes

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
F119	R	PEAL			35.66798	115.33071		no	yes
F120	R	PEAL			35.66802	115.33070		no	yes
F121	R	PEAL			35.66802	115.33070		no	yes
F122	R	PEAL			35.66805	115.33067		no	yes
F123	R	PEAL			35.66805	115.33066		no	yes
F124	R	PEAL			35.66802	115.33061		no	yes
F125	R	PEAL			35.66797	115.33055		no	yes
F126	R	PEAL			35.66798	115.33055		no	yes
F127	C, W	SATR		89 existing	35.66631	115.33163		yes	no
F128	C, W	SATR	88/162	existing/proposed	35.66437	115.33277		yes	no
F129	C, W	SATR	Random	Survey16	35.65148	115.34015		yes	no
F130	none		Random	Survey17	35.64503	115.34384		no	no
F131	C		Random	Survey18	35.63408	115.35179		no	no
G001	W	SIIR	n.a.	laydown	35.58193	115.41786		yes	no
G002	W	CHTE	n.a.	laydown	35.58193	115.41786		yes	no
G003	W	SATR	n.a.	laydown	35.58193	115.41786		yes	no
G004	W	SIIR	n.a.	laydown	35.58004	115.42022		yes	no
G005	none			34 existing	35.58008	115.42040		no	no
G006	R	GRPA	n.a.	substation	35.54302	115.46856	Fig 134	no	yes
G007	none		s.n.	existing	35.53270	115.48040	Fig 135	no	no
G008	none		s.n.	existing	35.53414	115.47859	Fig 136	no	no
G009	none		s.n.	existing	35.53554	115.47680	Fig 137	no	no
G010	none		s.n.	existing	35.53697	115.47498	Fig 138	no	no
G011	none		s.n.	existing	35.53841	115.47316		no	no
G012	none		s.n.	existing	35.53985	115.47135	Fig 139	no	no
G013	none		s.n.	existing	35.54127	115.46956	Fig 140	no	no
G014	none		s.n.	existing	35.54275	115.46769	Fig 141	no	no
G015	none		s.n.	existing	35.54419	115.46587	Fig 142	no	no
G016	none		s.n.	existing	35.54559	115.46405	Fig 143	no	no
G017	W	BRTO	n.a.	Road	35.55206	115.44480		yes	no
G018	W	BRTO	n.a.	Road	35.54754	115.43161		yes	no
G019	W	SIIR	n.a.	laydown	35.54025	115.41580		yes	no
H001	W	SIIR		51 existing	35.60436	115.38954	Fig 144	yes	no

Rec #	Data Type	Species Symbol	Site Number	Site Type	GPS Lat	GPS Lon	Figure Number	Weeds	Rare Plants
H002	W	TAsp	200	proposed	35.60509	115.38864	Fig 145	yes	no
H003	W	TAsp	52	existing	35.60581	115.38772	Fig 146	yes	no
H004	W	SATR	57	existing	35.61297	115.37866	Fig 147	yes	no
H005	W	SATR	65	existing	35.62412	115.36450	Fig 148	yes	no
H005	W	SATR	65	existing	35.62412	115.36450	Fig 149	yes	no

Key:

Invasive Weeds

- BRTO Sahara mustard (*Brassica tournefortii*) NV Noxious Weed B-list
 CHTE crossflower/purple mustard (*Chorispora tenella*) CA Noxious Weed B-list
 SATR Russian thistle (*Salsoal tragus*) CA Noxious Weeds C-list
 SIIR London Rockey (*Sisymbrium irio*) not listed
 TAsp Tamarisk (*Tamarix* sp.) NV Noxious Weeds C-list

Sensitive Plants

- ANBR small-flowered androstephium (*Androstephium breviflorum*)
 GRPA matted cholla (*Grusonia parishii*)
 PEBIR rosy twotoned beardtongue (*Penstemon bicolor* ssp. *roseus*)
 PEAL white-margined beardtongue (*Penstemon albomarginatus*)

shaded California survey area

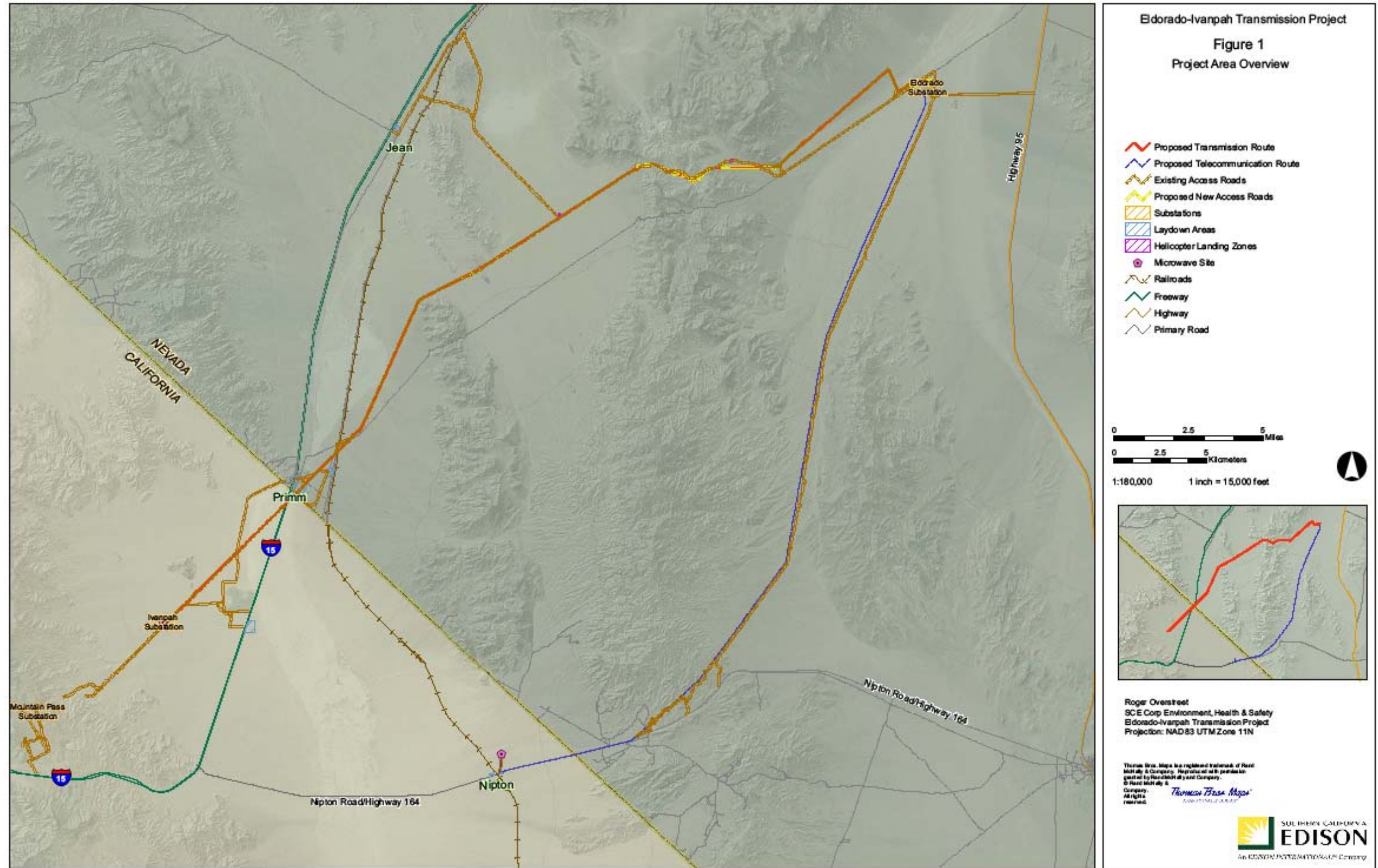
REFERENCES

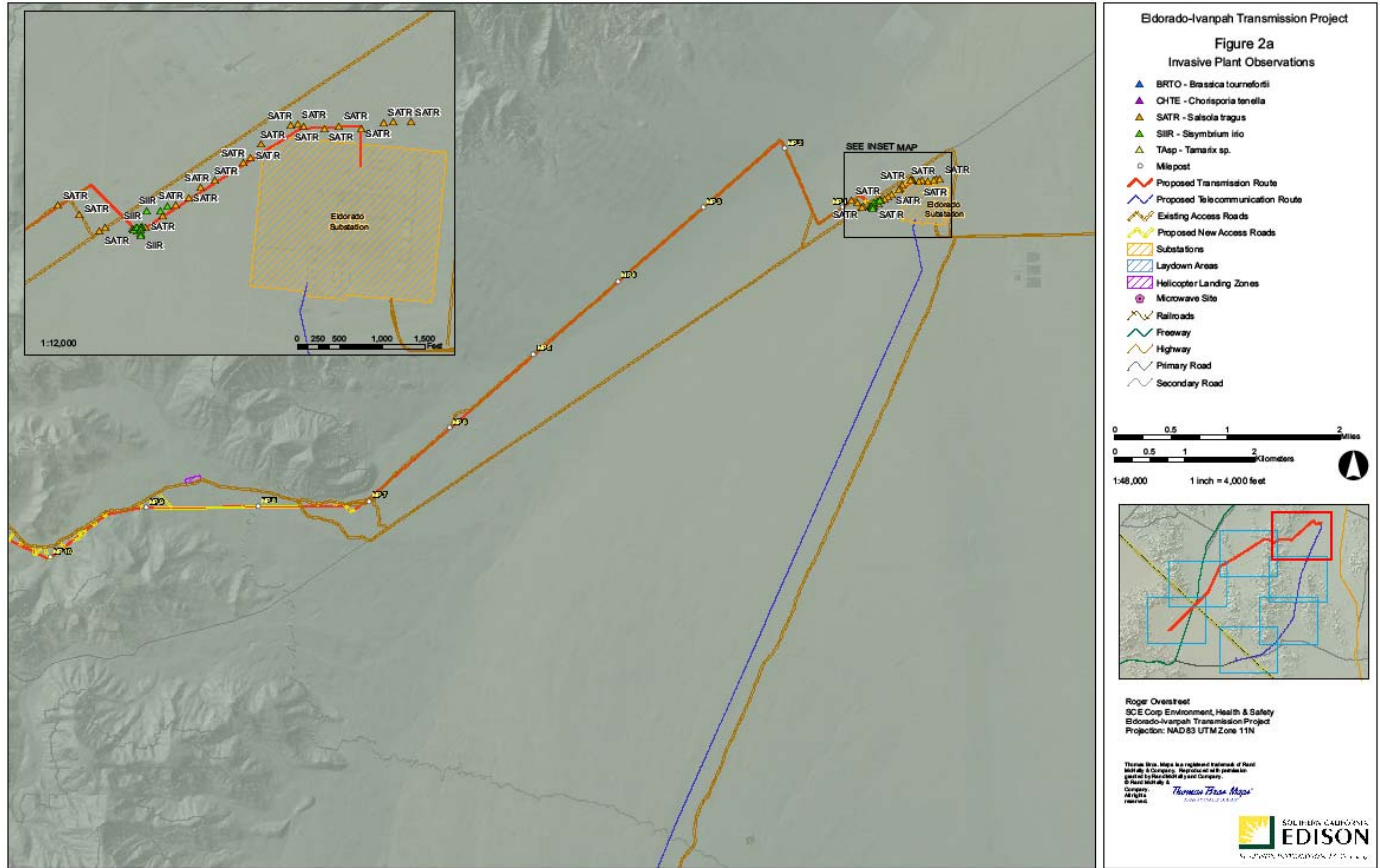
- Baldwin, B., Boyd, S., Ertter, B., Patterson, R., Rosatti, T., Wilken, D. 2002. The Jepson Desert Manual: Vascular Plants of Southeastern California. Univ. of California Press, Berkeley
- Bureau of Land Management (BLM). 2002. Proposed Northern & Eastern Colorado Desert Coordinated Management Plan etc. online accesses 6 July 2010, <http://www.blm.gov/ca/news/pdfs/neco2002/Table%20of%20Contents.pdf>
- Bureau of Land Management (BLM). 2009. California BLM Special Status Plants – (All) as of online access 7 July 2010, http://www.blm.gov/ca/pa/ssp/lists/by_species/ssplist_all.html
- Calflora.org: Information on California plants for education, research and conservation. 2010. Berkeley, California: The Calflora Database [a non-profit organization]. online access 2 July 2010, <http://www.calflora.org/>
- California Department of Fish and Game (CDFG). 2010. Natural Diversity Database Special Vascular Plants, Bryophytes, and Lichens List. online access 15 July 2010, <http://www.dfg.ca.gov/biogeodata/cnddb/pdfs/SPPlants.pdf>
- California Department of Food and Agriculture. 2003. United States Department of Agriculture. online access 8 July 2010, <http://plants.usda.gov/java/noxious?rptType=State&statefips=06>
- California Invasive Plant Council (Cal-IPC) 2010. Invasive plants. online access 15 July 2010. <http://www.cal-ipc.org/ip/>
- California Native Plant Society (CNPS). 2010. Inventory of Rare and Endangered Plants of California, California Native Plant Society, Sacramento, California. online access 11 July 2010, <http://cnps.site.aplus.net/cgi-bin/inv/inventory.cgi/>
- Cypher, E. 2002. GENERAL RARE PLANT SURVEY GUIDELINES, California State University, Stanislaus, Endangered Species Recovery Program, online access, 15 July 2010, http://www.fws.gov/sacramento/es/documents/rare_plant_protocol.PDF
- Desert Conservation Plan (DCP): - Clark County, Nevada. 2000. Multiple Species Habitat Conservation Plan. Final Clark County Multiple Species Habitat Conservation Plan and Environmental Impact Statement for Issuance of a Permit to Allow Incidental Take of 79 Species in Clark County, Nevada September 2000 Appendix B: Individual Species Analyses. online access 7 July, 2010, <http://www.accessclarkcounty.com/depts/daqem/epd/dcp/Documents/cc-appb.pdf>

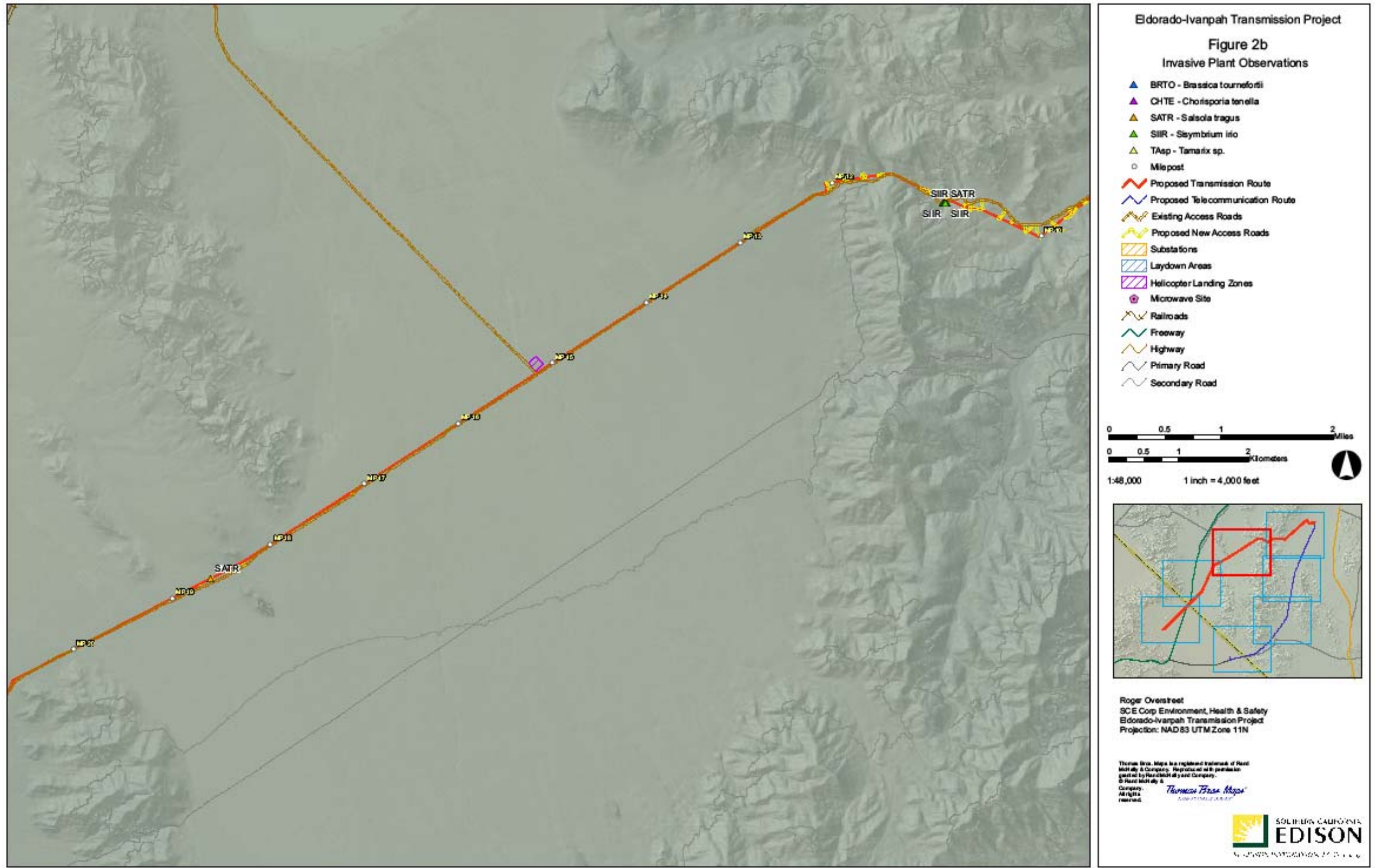
- Hiatt, H., J. Boone. 2003. Clark County, Nevada Species Account Manual. Clark County Comprehensive Planning. Clark County, Nevada. 219 pp.
- Hickman, J.C. Ed. 1993. The Jepson Manual – Higher Plants of California. University of California Press, Berkeley, CA. 1400 p.
- Nevada Dept. of Agriculture, Plant Industry Division. (NDA) 2005. online access 12 March 2010, http://agri.nv.gov/nwac/PLANT_NoXWeedList.htm
- Nevada Natural Heritage Program (NNHP). 2010. Department of Conservation and Natural Resources. online access 6 July 2010, <http://heritage.nv.gov/spelists.htm>
- Niles, W., P. Leary. 2007. Annotated Checklist of the Vascular Plants of the Spring Mountains Clark and Nye Counties, Nevada. Published in *Mentzelia*, The Journal of the Nevada Native Plant Society, Number 8, 2007.
- Sawyer, J.O., and T. Keeler-Wolf. 1995. A Manual of California Vegetation. California Native Plant Society, Sacramento, California. also online access 9 July 2010, <http://davisherb.ucdavis.edu/cnpsActiveServer/>
- U.S. Department of Agriculture (USDA). 2005. Natural Resources Conservation Service Web Plants Database. Invasive and Noxious Weeds: California State-listed Noxious Weeds 242 records returned. online access 12 July 2010, <http://plants.usda.gov/java/noxious?rptType=State&statefips=06>
- U.S. Department of Agriculture (USDA). 2010. Natural Resources Conservation Service Web Plants Database. online access 12 July 2010, <http://plants.usda.gov/index.html>.
- Whiteaker, L., J. Henderson, R. Holmes, L. Hoover, R. Leshner, J. Lippert, E. Olson, L. Potash, J. Seevers, M. Stein, N. Wogen. 1998. Survey Protocols for Survey and Manage Strategy 2: Vascular Plants. online access 12 March 2010, <http://www.blm.gov/or/plans/surveyandmanage/SP/VascularPlants/cover.htm>

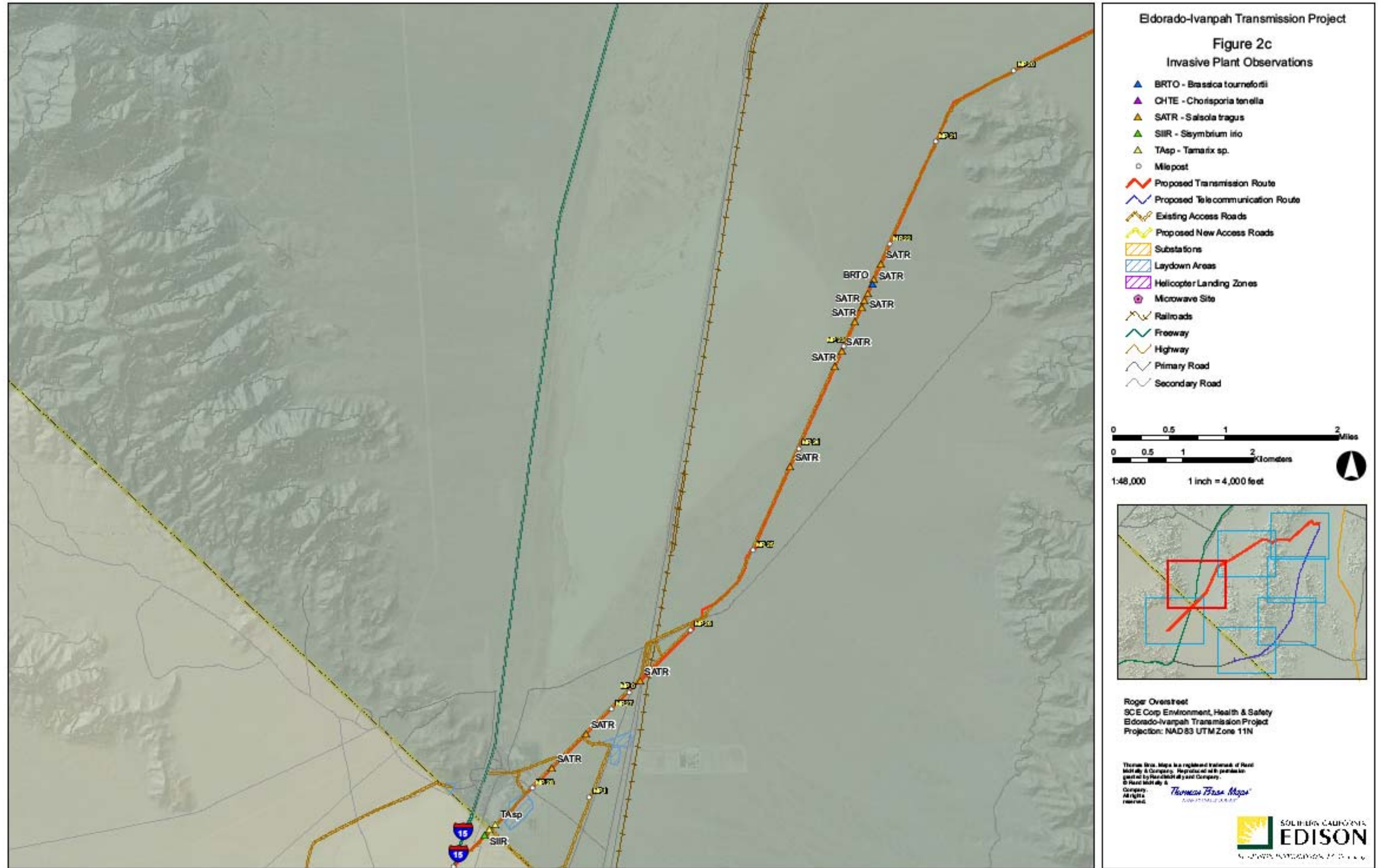
APPENDIX A

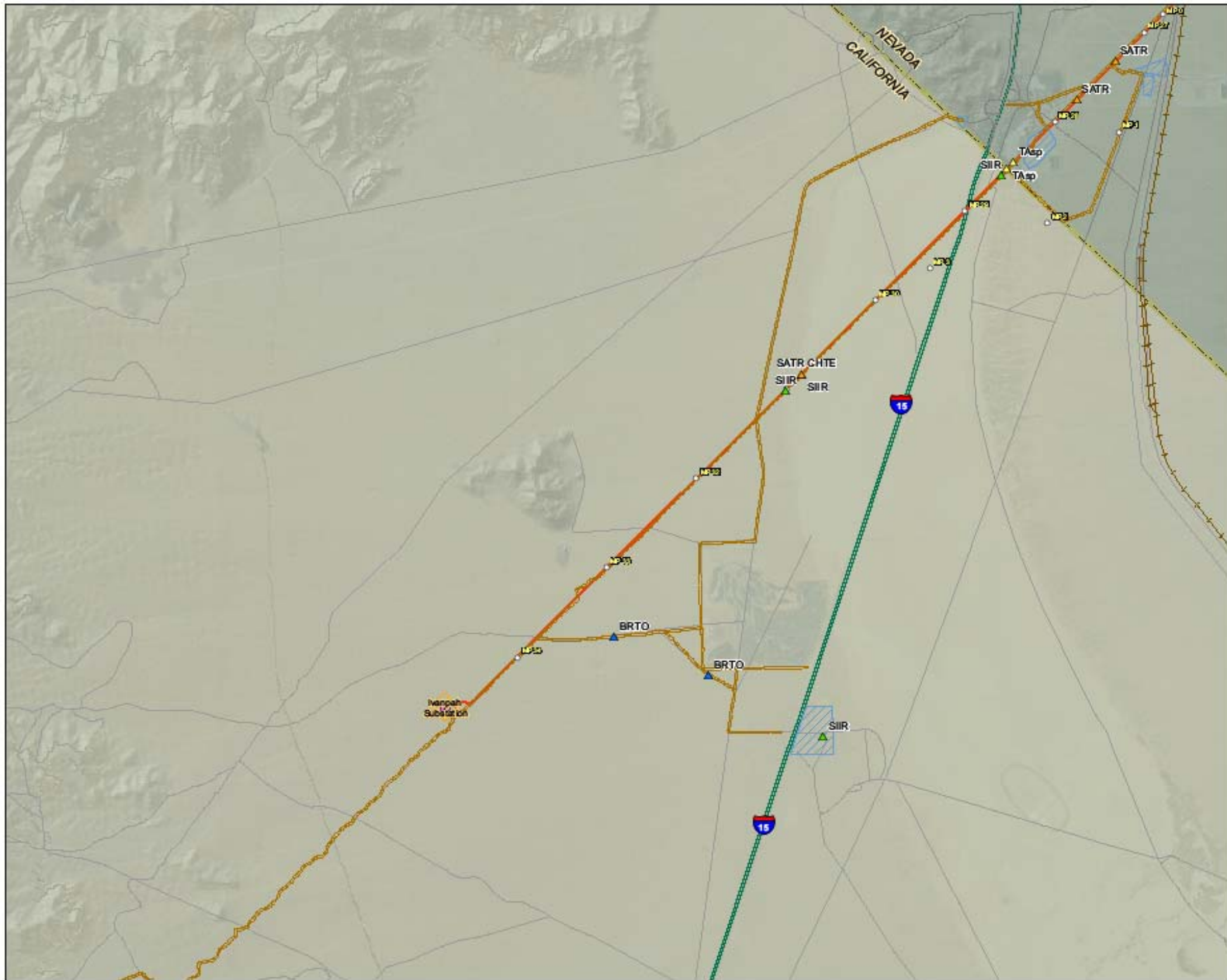
FIGURES 1 – 3g











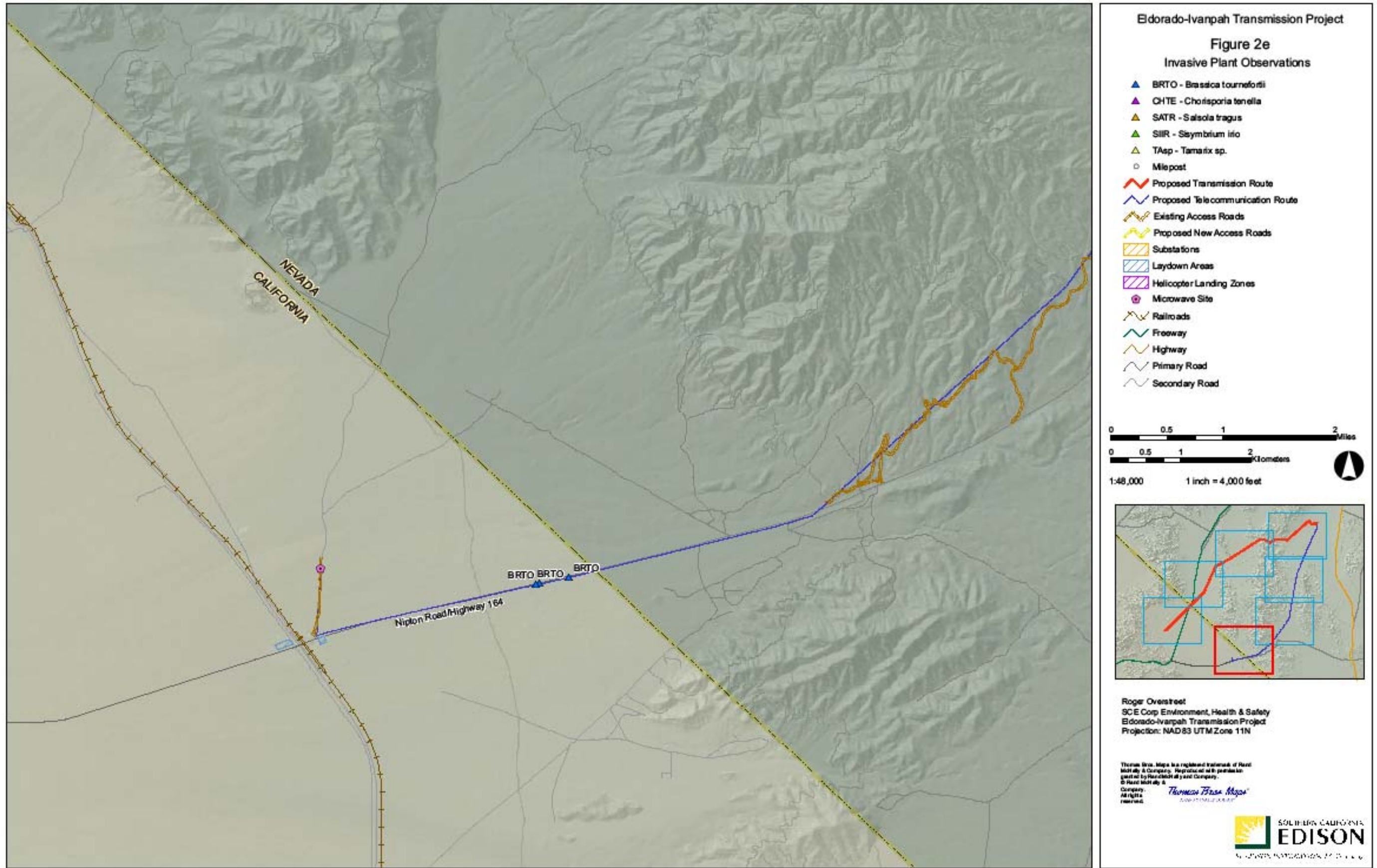
Eldorado-Ivanpah Transmission Project
Figure 2d
Invasive Plant Observations

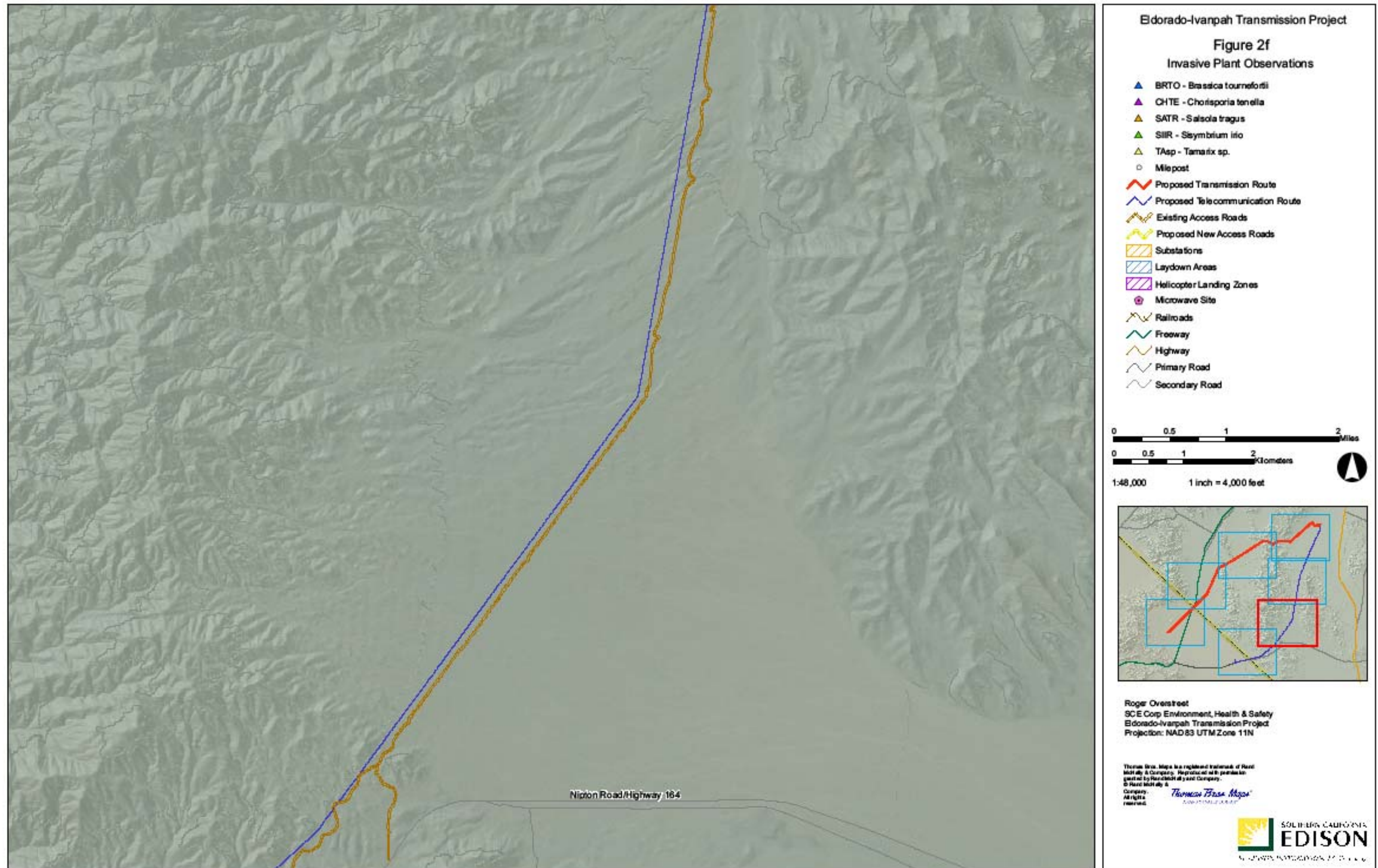
- ▲ BRTO - Brassica tournefortii
- ▲ CHTE - Chorisporea tenella
- ▲ SATR - Salsola tragus
- ▲ SIIR - Silybrium info
- ▲ TAsp - Tamarix sp.
- Milepost
- Proposed Transmission Route
- Proposed Telecommunication Route
- Existing Access Roads
- Proposed New Access Roads
- ▭ Substations
- ▭ Laydown Areas
- ▭ Helicopter Landing Zones
- ⊙ Microwave Site
- Railroads
- Freeway
- Highway
- Primary Road
- Secondary Road

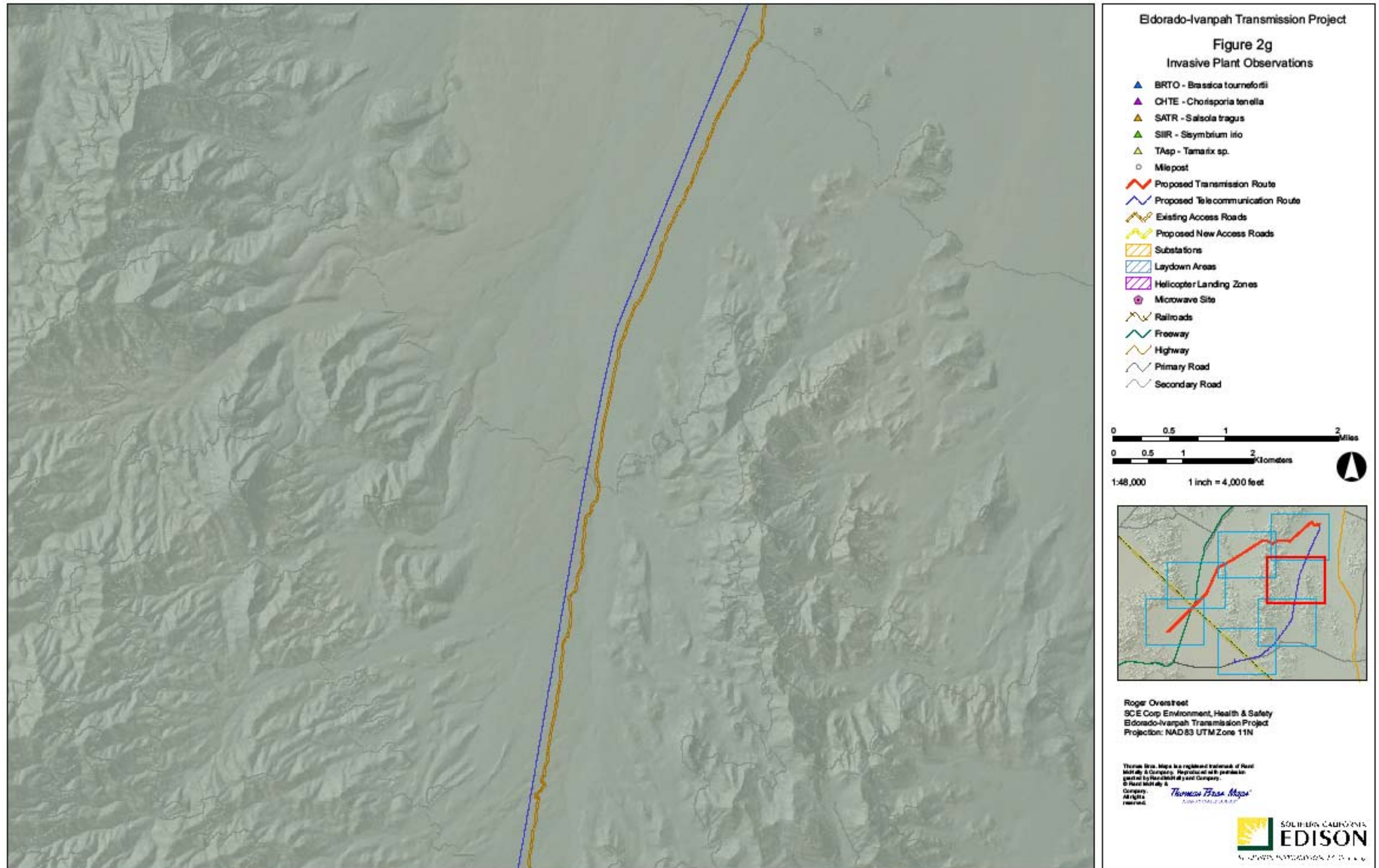
0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:48,000 1 inch = 4,000 feet

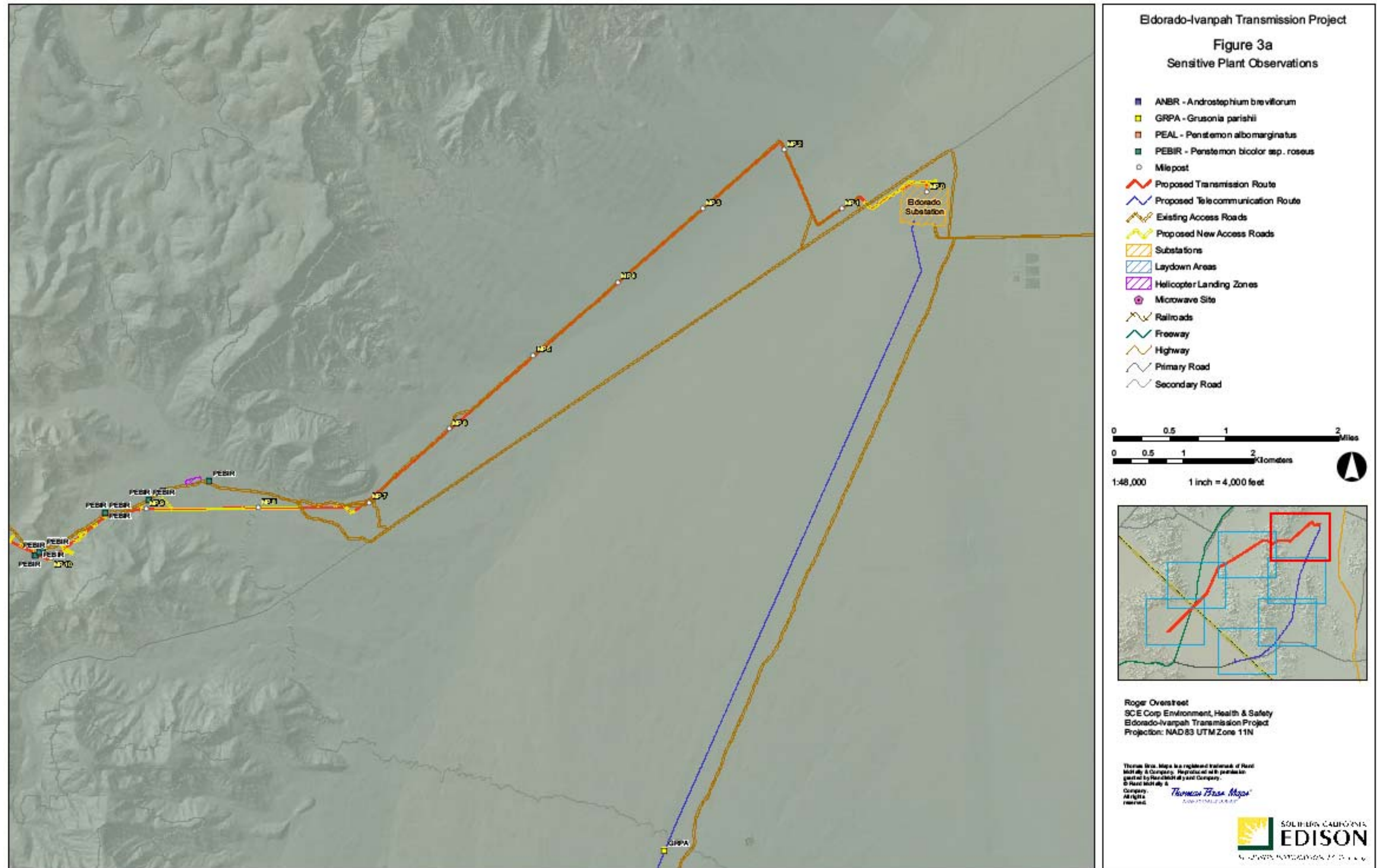
Roger Overstreet
SCE Corp Environment, Health & Safety
Eldorado-Ivanpah Transmission Project
Projection: NAD83 UTM Zone 11N

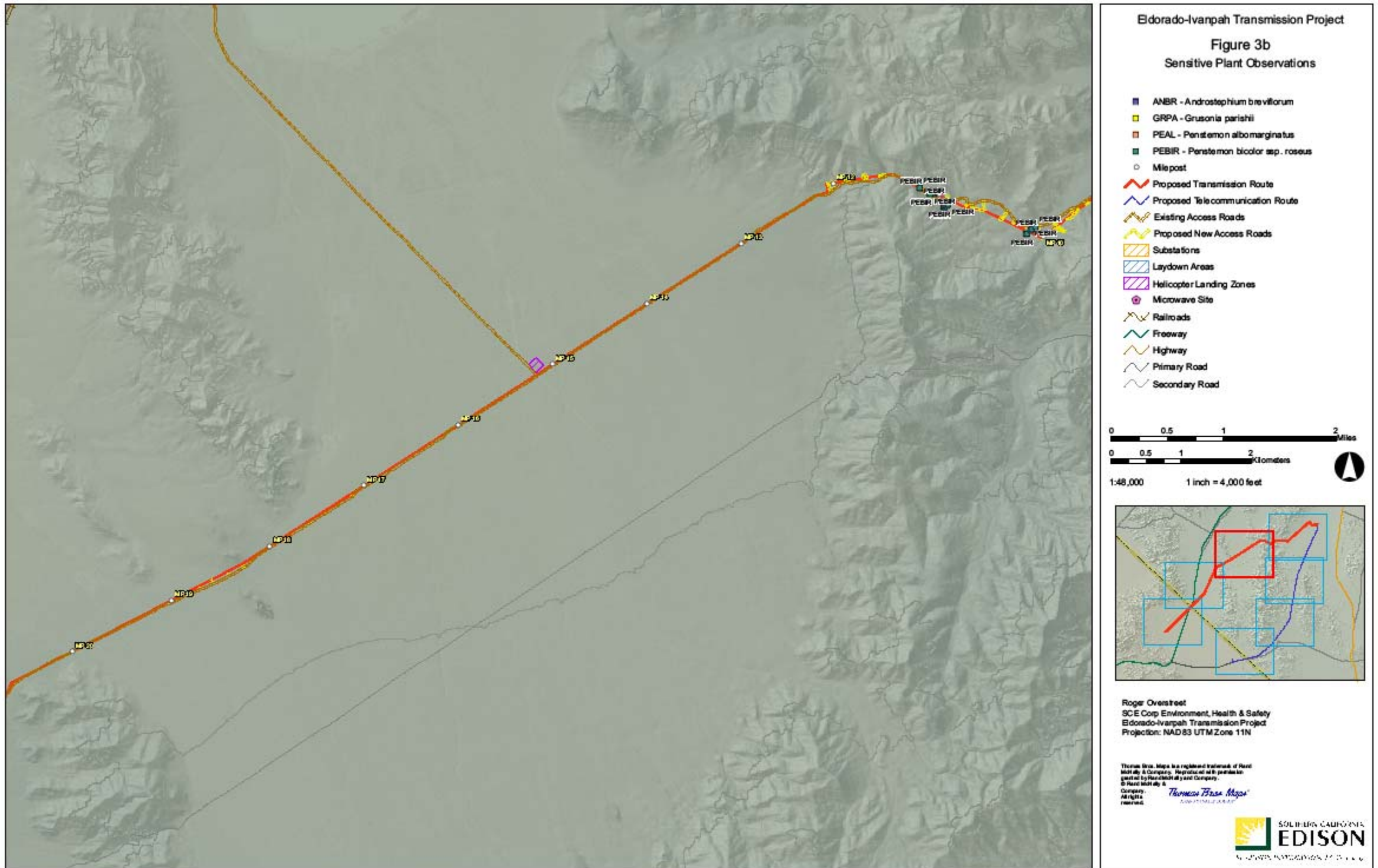
Thomas Oro. Maps is a registered trademark of Rand McNally & Company. Reproduced with permission granted by Rand McNally & Company. © Rand McNally & Company. *Thomas Oro Maps* logo. All rights reserved.

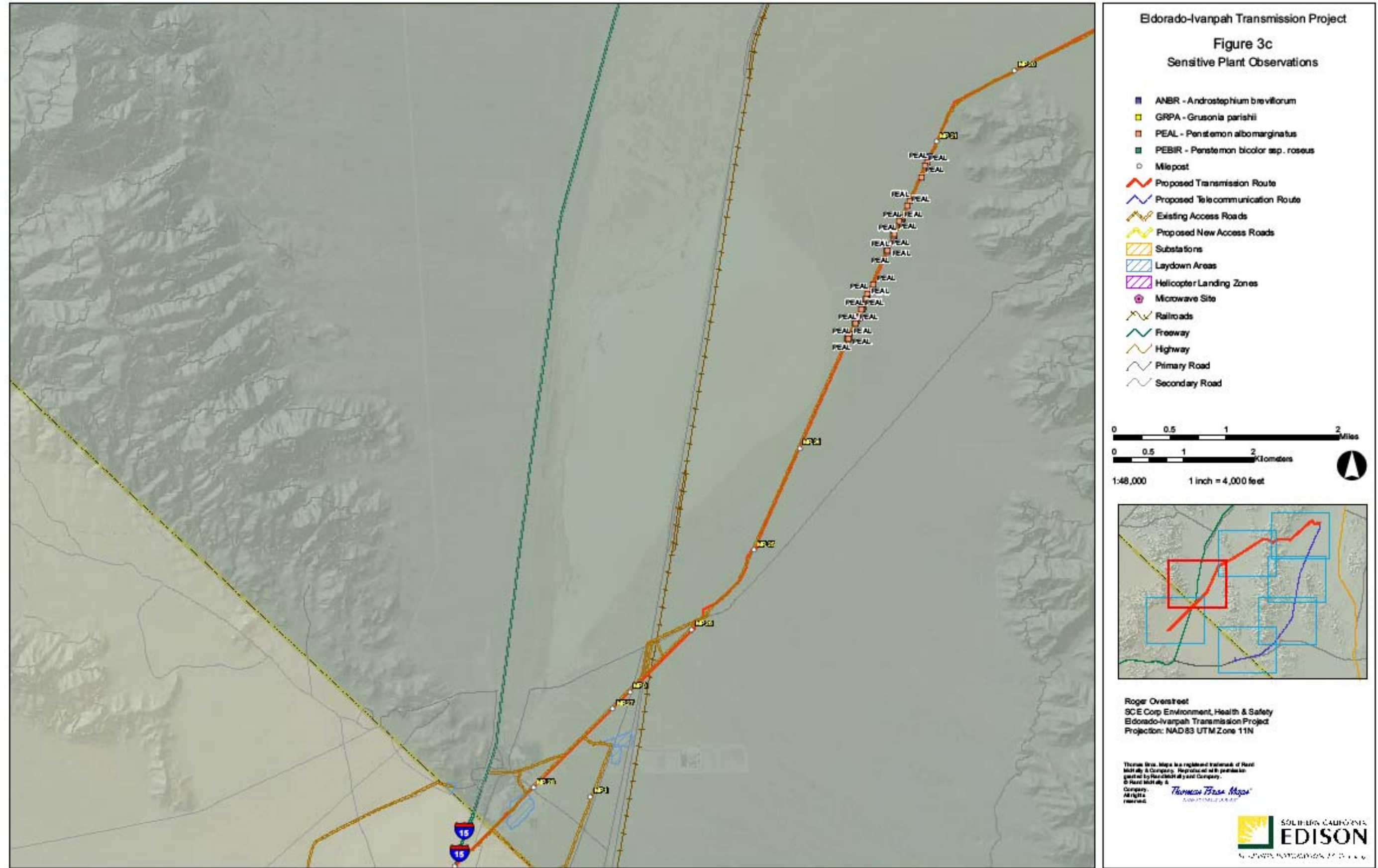


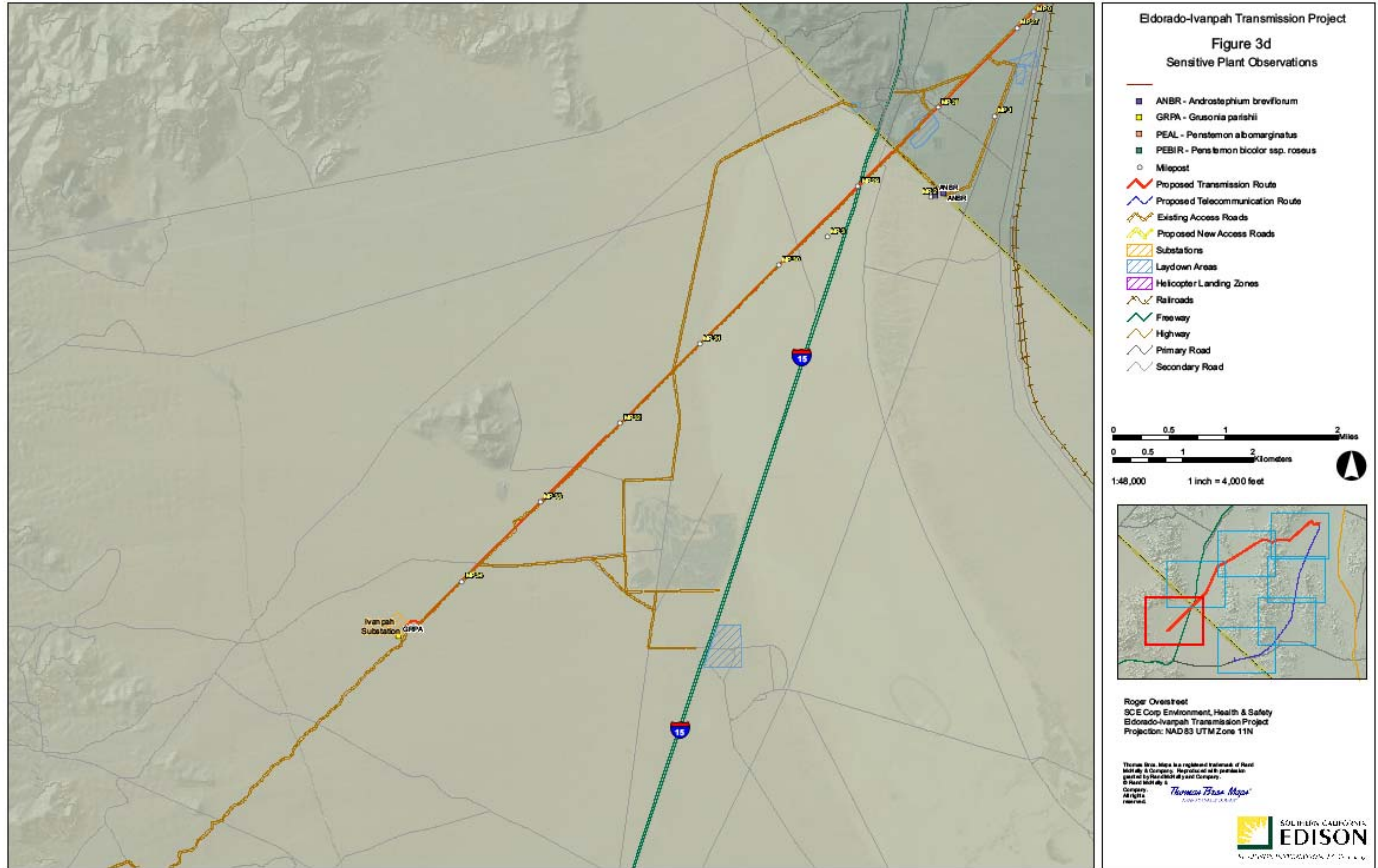


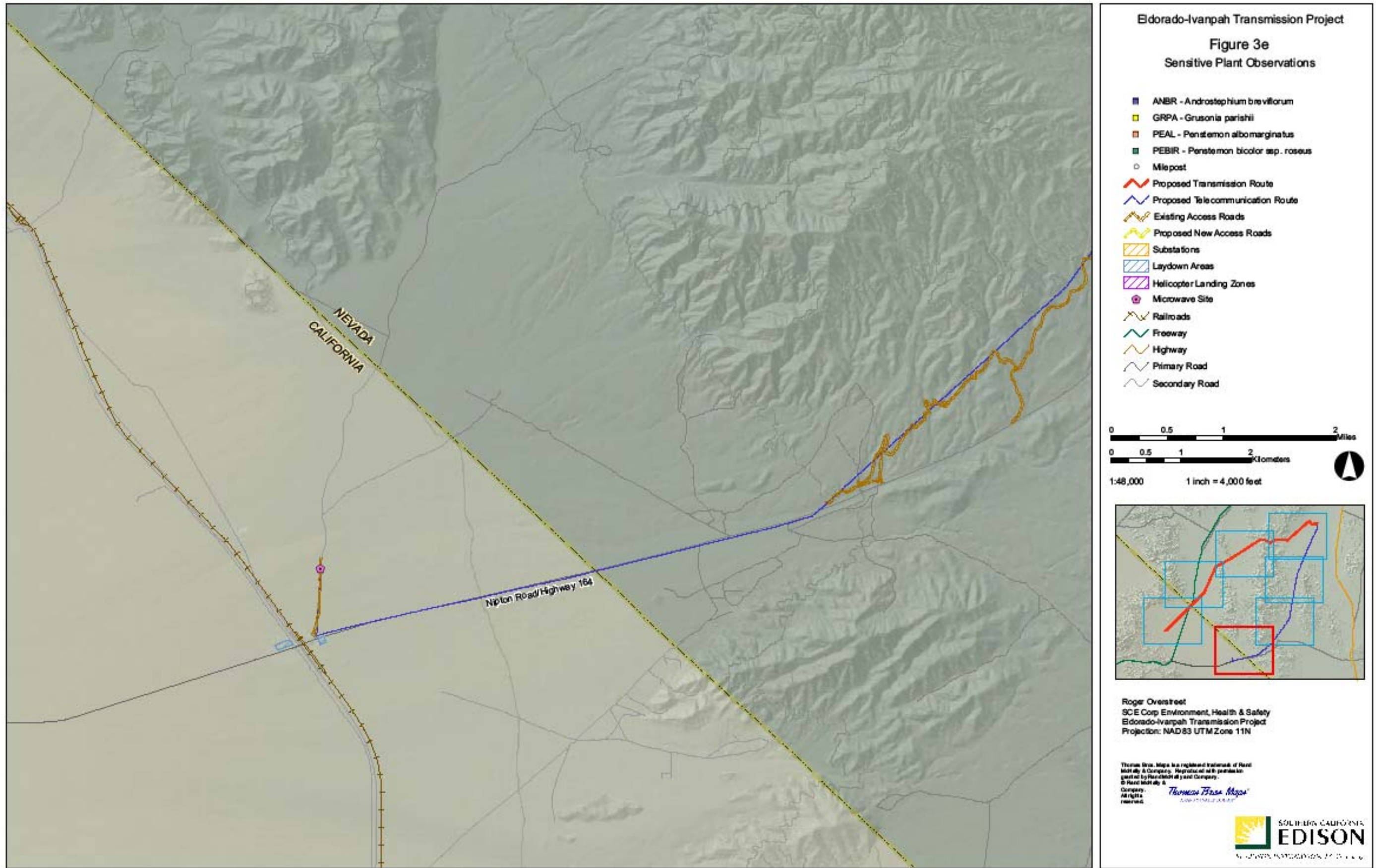












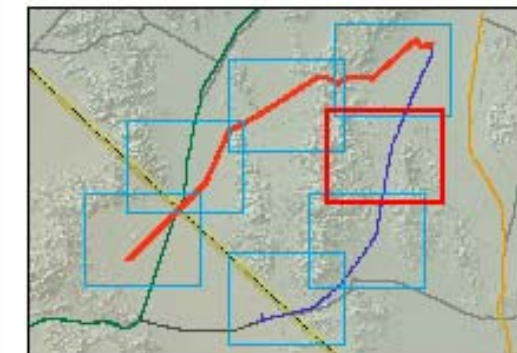
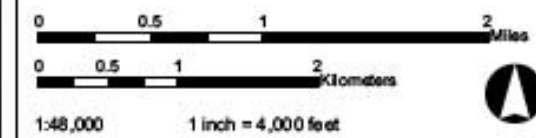




Eldorado-Ivanpah Transmission Project

Figure 3g
Sensitive Plant Observations

- ANBR - *Andropogon breviflorum*
- GRPA - *Grusonia parishii*
- PEAL - *Penstemon albomarginatus*
- PEBIR - *Penstemon bicolor* ssp. *roseus*
- Milepost
- Proposed Transmission Route
- Proposed Telecommunication Route
- Existing Access Roads
- Proposed New Access Roads
- ▨ Substations
- ▨ Laydown Areas
- ▨ Helicopter Landing Zones
- Microwave Site
- Railroads
- Freeway
- Highway
- Primary Road
- Secondary Road



Roger Overstreet
SCE Corp Environment, Health & Safety
Eldorado-Ivanpah Transmission Project
Projection: NAD83 UTM Zone 11N

Thomas Bros. Maps is a registered trademark of Reed
Bros. & Company. Reproduction is prohibited
without the express written consent of Reed
Bros. & Company.



APPENDIX B

LIST OF CACTI AND YUCCAS, INVASIVE WEEDS, AND SENSITIVE PLANTS OBSERVED

Cactus and Yuccas, Invasive Weeds, and Sensitive Plants Observed

Cacti and Yuccas				
<u>Symbol</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>CA</u>	<u>NV</u>
CYACC	Buckhorn cholla	<i>Cylindropuntia acanthocarpa</i> var. <i>coloradensis</i>		x
CYEC	Wiggins' cholla	<i>Cylindropuntia echinocarpa</i>		x
CYRA	Pencil cholla	<i>Cylindropuntia ramosissima</i>		x
ECEN	Engelmann's hedgehog cactus	<i>Echinocereus engelmannii</i>		x
ECJO	Johnson's fishhook cactus	<i>Echinomastus johnsonii</i> syn: <i>Sclerocactus j.</i>		x
ECPO	cottontop cactus	<i>Echinocereus polycephalus</i>		x
ECVID	foxtail cactus	<i>Escobaria</i> cf. <i>vivipara</i> var. <i>deserti</i> syn: <i>Coryphantha chlorantha</i>		x
FECY	California barrel cactus	<i>Ferocactus cylindraceus</i>		x
GRPA	matted cholla	<i>Grusonia parishii</i>	x	x
MATE	fishhook cactus	<i>Mammillaria tetrancistra</i>		x
OPBA	beavertail cactus	<i>Opuntia basilaris</i>		x
OPCH	pancake prickley-pear	<i>Opuntia chlorotica</i>		x
YUBA	Banana yucca	<i>Yucca baccata</i>		x
YUBE	Joshua tree	<i>Yucca brevifolia</i>		x
YUSC	Mojave yucca	<i>Yucca schidigera</i>		x
Invasive Weeds				
BRTO	Sahara mustard	<i>Brassica tournefortii</i>	x	x
CHTE	crossflower/purple mustard	<i>Chorispora tenella</i>	x	
SATR	Russian thistle	<i>Salsola tragu</i>	x	x
SIIR	London Rockey	<i>Sisymbrium irio</i>	x	x
Tasp	Tamarisk	<i>Tamarix</i> sp.		x
Sensitive Plants				
ANBR	small-flowered androstephium	<i>Androstephium breviflorum</i>		x
GRPA	matted cholla	<i>Grusonia parishii</i>	x	
PEAL	White-margined beardtongue	<i>Penstemon albomarginatus</i>		x
PEBIR	Rosy twotoned beardtongue	<i>Penstemon bicolor</i> ssp. <i>Roseus</i>		x

APPENDIX C

REPRESENTATIVE PHOTOGRAPHS

APPENDIX D

EITP PLANT LIST

Eldorado-Ivanpah Transmission Project List of Plants Observed

This plant list is based on observations made during botanical surveys for the Eldorado-Ivanpah Transmission Project (EITP). Surveys were conducted by Glenn Clifton over the period from 2008 to 2009. Joseph Betzler and Mr. Clifton resurveyed the EITP and Telecommunications route in Spring 2010, paying particular attention to Cactus, yuccas and weeds along the route.

EITP Vascular Plant Statistics:

Taxa observed in both California and Nevada: 168

Taxa observed only in California: 115

Taxa observed only in Nevada: 86

Total taxa observed in project area: 369

Table 1 is a compilation of all plant observations for the EITP project in California and Nevada. Note that some of the plant families are not standard according to Jepson. These are noted in Tables 2 and 3. The typical reference used is Jepson (1993).

Table 2 is a list of plants from the California portion of the project. It is in order of plant group, plant family, and genus.

Table 3 is a list of plants from the Nevada portion of the project in the same format as Table 2.

Table 1. Species list of plants observed in the EITP project area including plant family and the state jurisdiction.

<u>Latin Name</u>	<u>Common Name</u>	<u>Family</u>	<u>State</u>
A			
<i>Abronia villosa</i>	Desert sand verbena	<i>Nyctaginaceae</i>	NV
<i>Acacia greggii</i>	Catclaw acacia	<i>Mimosaceae</i>	CA/NV
<i>Acamptopappus shockleyi</i>	Shockley's goldenhead	<i>Asteraceae</i>	CA/NV
<i>Acamptopappus sphaerocephalus</i>	Rayless goldenhead	<i>Asteraceae</i>	NV
<i>Achnatherum hymenoides</i>	Indian ricegrass	<i>Poaceae</i>	CA
<i>Achnatherum speciosum</i>	Desert needlegrass	<i>Poaceae</i>	CA/NV
<i>Adenophyllum cooperi</i>	Cooper's dogweed	<i>Asteraceae</i>	CA/NV
<i>Aliciella hutchinsifolia</i>	Desert pale gilia	<i>Polemoniaceae</i>	CA/NV
<i>Aliciella subacaulis</i>	Pinyon gilia	<i>Polemoniaceae</i>	NV
<i>Allionia incarnata</i> var. <i>villosa</i>	Trailing windmills	<i>Nyctaginaceae</i>	NV
<i>Aloysia wrightii</i>	Wright's beebrush	<i>Verbenaceae</i>	NV
<i>Amaranthus crassipes</i>	Spreading amaranth	<i>Amaranthaceae</i>	NV
<i>Amaranthus fimbriatus</i>	Fringed amaranth	<i>Amaranthaceae</i>	CA/NV
<i>Ambrosia acanthicarpa</i>	Flatspine bur ragweed	<i>Asteraceae</i>	CA
<i>Ambrosia dumosa</i>	White bursage (burrobush)	<i>Asteraceae</i>	CA/NV

Latin Name	Common Name	Family	State
<i>Ambrosia eriocentra</i>	Woolly fruit bur ragweed	<i>Asteraceae</i>	CA/NV
<i>Amsinckia tessellata</i>	Bristly fiddleneck	<i>Boraginaceae</i>	CA/NV
<i>Amsonia tomentosa</i>	Woolly bluestar	<i>Apocynaceae</i>	CA/NV
<i>Androstaphium breviflorum</i>	Pink funnel lily	<i>Themidaceae</i>	CA/NV
<i>Anemone tuberosa</i>	Tuber anemone	<i>Ranunculaceae</i>	NV
<i>Anisocoma acaulis</i>	Scalebud	<i>Asteraceae</i>	NV
<i>Antheropeas wallacei</i>	Woolly easterbonnets	<i>Asteraceae</i>	CA/NV
<i>Arabis perennans</i>	Perennial rockcress	<i>Brassicaceae</i>	CA
<i>Arabis pulchra</i>	Beautiful rockcress	<i>Brassicaceae</i>	NV
<i>Arabis pulchra</i> var. <i>gracilis</i>	Beautiful rockcress	<i>Brassicaceae</i>	CA
<i>Arenaria macradenia</i>	Mojave sandwort	<i>Caryophyllaceae</i>	CA
<i>Argemone corymbosa</i>	Mojave pricklypoppy	<i>Papaveraceae</i>	CA
<i>Argemone minuta</i> ssp. <i>rotundata</i>	Flatbud pricklypoppy	<i>Papaveraceae</i>	NV
<i>Argythamnia neomexicana</i>	New Mexico silverbush	<i>Euphorbiaceae</i>	NV
<i>Aristida adscensionis</i>	Sixweeks threeawn	<i>Poaceae</i>	CA/NV
<i>Aristida purpurea</i>	Purple threeawn	<i>Poaceae</i>	NV
<i>Aristida purpurea</i> complex	Purple threeawn	<i>Poaceae</i>	CA
<i>Aristida purpurea</i> var. <i>longiseta</i>	Fendler threeawn	<i>Poaceae</i>	CA
<i>Artemisia ludoviciana</i> var. <i>albula</i>	White sagebrush	<i>Asteraceae</i>	CA
<i>Asclepias erosa</i>	Desert milkweed	<i>Asclepiadaceae</i>	CA
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	<i>Asclepiadaceae</i>	CA/NV
<i>Astragalus bernardinus</i>	San Bernardino milkvetch	<i>Fabaceae</i>	CA
<i>Astragalus didymocarpus</i> var. <i>dispermus</i>	Dwarf white milkvetch	<i>Fabaceae</i>	CA/NV
<i>Astragalus lentiginosus</i> var. <i>borreganus</i>	Borrego milkvetch	<i>Fabaceae</i>	CA
<i>Astragalus lentiginosus</i> var. <i>fremontii</i>	Fremont's milkvetch	<i>Fabaceae</i>	CA/NV
<i>Astragalus minthorniae</i> var. <i>villosus</i>	Minthorn's milkvetch	<i>Fabaceae</i>	CA
<i>Astragalus nuttallianus</i>	Smallflowered milkvetch	<i>Fabaceae</i>	NV
<i>Astragalus nuttallianus</i> var. <i>imperfectus</i>	Turkeypeas	<i>Fabaceae</i>	CA
<i>Astragalus sabulonum</i>	Gravel milkvetch	<i>Fabaceae</i>	NV
<i>Atriplex canescens</i>	Fourwing saltbush	<i>Chenopodiaceae</i>	CA
<i>Atriplex confertifolia</i>	Shadscale saltbush	<i>Chenopodiaceae</i>	CA/NV
<i>Atriplex elegans</i> var. <i>fasciculata</i>	Wheelscale saltbush	<i>Chenopodiaceae</i>	CA/NV
<i>Atriplex hymenelytra</i>	Desertholly	<i>Chenopodiaceae</i>	NV
<i>Atriplex polycarpa</i>	Cattle saltbush	<i>Chenopodiaceae</i>	CA/NV
<i>Avena fatua</i>	Wild oat	<i>Poaceae</i>	CA
B			
<i>Baccharis brachyphylla</i>	Shortleaf baccharis	<i>Asteraceae</i>	CA/NV
<i>Baccharis sergiloides</i>	Desert baccharis	<i>Asteraceae</i>	CA
<i>Baileya multiradiata</i>	Desert marigold	<i>Asteraceae</i>	CA/NV
<i>Baileya pleniradiata</i>	Woolly desert marigold	<i>Asteraceae</i>	CA/NV

Latin Name	Common Name	Family	State
<i>Bebbia juncea</i> var. <i>aspera</i>	Sweetbush	<i>Asteraceae</i>	NV
<i>Boerhavia wrightii</i>	Largebract spiderling	<i>Nyctaginaceae</i>	CA/NV
<i>Bouteloua aristidoides</i>	Needle grama	<i>Poaceae</i>	NV
<i>Bouteloua barbata</i>	Sixweeks grama	<i>Poaceae</i>	CA/NV
<i>Bouteloua curtipendula</i>	Sideoats grama	<i>Poaceae</i>	CA
<i>Bouteloua eriopoda</i>	Black grama	<i>Poaceae</i>	CA
<i>Brassica tournefortii</i>	Asian mustard	<i>Brassicaceae</i>	CA
<i>Brickellia arguta</i>	Pungent brickellbush	<i>Asteraceae</i>	NV
<i>Brickellia californica</i>	California brickellbush	<i>Asteraceae</i>	CA
<i>Brickellia desertorum</i>	Desert brickellbush	<i>Asteraceae</i>	NV
<i>Brickellia incana</i>	Woolly brickellbush	<i>Asteraceae</i>	CA/NV
<i>Brickellia oblongifolia</i> var. <i>linifolia</i>	Narrowleaf brickellbush	<i>Asteraceae</i>	CA/NV
<i>Bromus madritensis</i>	Compact brome	<i>Poaceae</i>	NV
<i>Bromus rigidus</i>	Ripgut brome	<i>Poaceae</i>	CA
<i>Bromus rubens</i>	Red brome	<i>Poaceae</i>	CA/NV
<i>Bromus tectorum</i>	Cheatgrass	<i>Poaceae</i>	CA/NV
<i>Bromus trinii</i>	Chilean chess	<i>Poaceae</i>	CA
C			
<i>Calochortus kennedyi</i>	Desert mariposa lily	<i>Liliaceae</i>	CA
<i>Calycoseris parryi</i>	Yellow tackstem	<i>Asteraceae</i>	NV
<i>Calycoseris wrightii</i>	White tackstem	<i>Asteraceae</i>	NV
<i>Camissonia boothii</i> var. <i>condensata</i>	Shredding suncup	<i>Onagraceae</i>	CA/NV
<i>Camissonia brevipes</i>	Yellow cups	<i>Onagraceae</i>	CA/NV
<i>Camissonia campestris</i>	Mojave suncup	<i>Onagraceae</i>	NV
<i>Camissonia chamaenerioides</i>	Longcapsule suncup	<i>Onagraceae</i>	CA/NV
<i>Camissonia claviformis</i> var. <i>aurantiaca</i>	Browneyes	<i>Onagraceae</i>	NV
<i>Camissonia refracta</i>	Narrowleaf suncup	<i>Onagraceae</i>	CA/NV
<i>Castilleja angustifolia</i>	Northwestern Indian paintbrush	<i>Scrophulariaceae</i>	CA/NV
<i>Castilleja applegatei</i> ssp. <i>martinii</i>	Wavyleaf Indian paintbrush	<i>Scrophulariaceae</i>	CA
<i>Caulanthus cooperi</i>	Cooper's wild cabbage	<i>Brassicaceae</i>	CA/NV
<i>Caulanthus crassicaulis</i>	Thickstem wild cabbage	<i>Brassicaceae</i>	CA
<i>Chaenactis carphoclinia</i>	Pebble pincushion	<i>Asteraceae</i>	CA/NV
<i>Chaenactis fremontii</i>	Pincushion flower	<i>Asteraceae</i>	CA/NV
<i>Chaenactis macrantha</i>	Bighead dustymaiden	<i>Asteraceae</i>	CA/NV
<i>Chaenactis stevioides</i>	Esteve's pincushion	<i>Asteraceae</i>	CA/NV
<i>Chaetopappa ericoides</i>	Rose heath	<i>Asteraceae</i>	CA/NV
<i>Chamaesyce albomarginata</i>	Whitemargin sandmat	<i>Euphorbiaceae</i>	CA/NV
<i>Chamaesyce polycarpa</i>	Smallseed sandmat	<i>Euphorbiaceae</i>	NV
<i>Chamaesyce revoluta</i>	Threadstem sandmat	<i>Euphorbiaceae</i>	CA

Latin Name	Common Name	Family	State
<i>Cheilanthes covillei</i>	Coville's lipfern	<i>Pteridaceae</i>	CA
<i>Chenopodium incanum</i> var. <i>occidentale</i>	Mealy goosefoot	<i>Chenopodiaceae</i>	CA/NV
<i>Chilopsis linearis</i>	Desert willow	<i>Bignoniaceae</i>	CA/NV
<i>Chorizanthe brevicornu</i>	Brittle spineflower	<i>Polygonaceae</i>	CA/NV
<i>Chorizanthe rigida</i>	Devil's spineflower	<i>Polygonaceae</i>	CA/NV
<i>Chorizanthe watsonii</i>	Fivetooth spineflower	<i>Polygonaceae</i>	NV
<i>Chrysothamnus depressus</i>	Longflower rabbitbrush	<i>Asteraceae</i>	CA
<i>Chrysothamnus paniculatus</i>	Mojave rabbitbrush	<i>Asteraceae</i>	CA/NV
<i>Cirsium neomexicanum</i>	New Mexico thistle	<i>Asteraceae</i>	CA
<i>Claytonia parviflora</i> complex	Streambank springbeauty	<i>Portulacaceae</i>	CA
<i>Coleogyne ramosissima</i>	Black bush	<i>Rosaceae</i>	CA
<i>Coryphantha</i> sp.	Beehive cactus	<i>Cactaceae</i>	CA
<i>Cryptantha angustifolia</i>	Panamint cryptantha	<i>Boraginaceae</i>	CA/NV
<i>Cryptantha barbiger</i>	Bearded cryptantha	<i>Boraginaceae</i>	CA/NV
<i>Cryptantha circumscissa</i>	Cushion cryptantha	<i>Boraginaceae</i>	CA/NV
<i>Cryptantha dumetorum</i>	Bushloving cryptantha	<i>Boraginaceae</i>	CA/NV
<i>Cryptantha gracilis</i>	Narrowstem cryptantha	<i>Boraginaceae</i>	CA
<i>Cryptantha maritima</i>	Guadalupe cryptantha	<i>Boraginaceae</i>	NV
<i>Cryptantha micrantha</i>	Redroot cryptantha	<i>Boraginaceae</i>	CA/NV
<i>Cryptantha nevadensis</i>	Nevada cryptantha	<i>Boraginaceae</i>	CA/NV
<i>Cryptantha pterocarya</i>	Wingnut cryptantha	<i>Boraginaceae</i>	CA
<i>Cryptantha pterocarya</i> var. <i>cycloptera</i>	Wingnut cryptantha	<i>Boraginaceae</i>	CA/NV
<i>Cryptantha pterocarya</i> var. <i>stenoloba</i>	Wingnut cryptantha	<i>Boraginaceae</i>	NV
<i>Cryptantha utahensis</i>	Scented cryptantha	<i>Boraginaceae</i>	NV
<i>Cryptantha virginensis</i>	Virgin River cryptantha	<i>Boraginaceae</i>	NV
<i>Cucurbita palmata</i>	Coyote gourd	<i>Cucurbitaceae</i>	CA/NV
<i>Cuscuta californica</i> var. <i>apiculata</i>	Chaparral dodder	<i>Cuscutaceae</i>	NV
<i>Cylindropuntia acanthocarpa</i> var. <i>coloradensis</i>	Colorado buckhorn cholla	<i>Cactaceae</i>	CA/NV
<i>Cylindropuntia echinocarpa</i>	Wiggins' cholla	<i>Cactaceae</i>	CA/NV
<i>Cylindropuntia ramosissima</i>	Branched pencil cholla	<i>Cactaceae</i>	CA/NV
<i>Cynanchum utahense</i>	Utah swallow-wort	<i>Asclepiadaceae</i>	CA
<i>Cynodon dactylon</i>	Bermudagrass	<i>Poaceae</i>	NV
D			
<i>Dalea mollissima</i>	Soft prairie clover	<i>Fabaceae</i>	CA/NV
<i>Dasyochloa pulchella</i>	Low woollygrass	<i>Poaceae</i>	CA/NV
<i>Datura wrightii</i>	Sacred thorn-apple	<i>Solanaceae</i>	CA/NV
<i>Delphinium parishii</i>	Desert larkspur	<i>Helleboraceae</i>	CA
<i>Delphinium parishii</i> ssp. <i>parishii</i>	Parish's larkspur	<i>Helleboraceae</i>	NV
<i>Descurainia pinnata</i> var. <i>glabra</i>	Western tansymustard	<i>Brassicaceae</i>	CA/NV

Latin Name	Common Name	Family	State
<i>Descurainia sophia</i>	Herb sophia	<i>Brassicaceae</i>	CA/NV
<i>Dichelostemma capitatum</i>	Bluedicks	<i>Themidaceae</i>	CA
<i>Dithyrea californica</i>	California shieldpod	<i>Brassicaceae</i>	CA/NV
<i>Draba cuneifolia</i> var. <i>integrifolia</i>	Wedgeleaf draba	<i>Brassicaceae</i>	CA/NV
E			
<i>Echinocactus polycephalus</i>	Cottontop cactus	<i>Cactaceae</i>	CA/NV
<i>Echinocereus engelmannii</i>	Engelmann's hedgehog cactus	<i>Cactaceae</i>	CA/NV
<i>Echinomastus johnsonii</i>	Johnson's fishhook cactus	<i>Cactaceae</i>	NV
<i>Eleocharis parishii</i>	Parish's spikerush	<i>Cyperaceae</i>	CA
<i>Elymus elymoides</i> var. <i>brevifolius</i>	Squirreltail	<i>Poaceae</i>	CA
<i>Encelia farinosa</i>	Brittlebush	<i>Asteraceae</i>	NV
<i>Encelia virginensis</i>	Virgin River brittlebush	<i>Asteraceae</i>	CA/NV
<i>Enceliopsis nudicaulis</i>	Nakedstem sunray	<i>Asteraceae</i>	NV
<i>Enneapogon desvauxii</i>	Nineawn pappusgrass	<i>Poaceae</i>	CA/NV
<i>Ephedra nevadensis</i>	Nevada jointfir	<i>Ephedraceae</i>	CA/NV
<i>Ephedra viridis</i>	Mormon tea	<i>Ephedraceae</i>	CA
<i>Eragrostis cilianensis</i>	Stinkgrass	<i>Poaceae</i>	CA/NV
<i>Eremalche rotundifolia</i>	Desert fivespot	<i>Malvaceae</i>	CA
<i>Eriastrum diffusum</i>	Miniature woollystar	<i>Polemoniaceae</i>	CA/NV
<i>Eriastrum eremicum</i>	Desert woollystar	<i>Polemoniaceae</i>	NV
<i>Ericameria cooperi</i>	Cooper's goldenbush	<i>Asteraceae</i>	CA
<i>Ericameria laricifolia</i>	Turpentine bush	<i>Asteraceae</i>	CA/NV
<i>Ericameria linearifolia</i>	Narrowleaf goldenbush	<i>Asteraceae</i>	CA/NV
<i>Eriogonum brachypodum</i>	Parry's buckwheat	<i>Polygonaceae</i>	CA/NV
<i>Eriogonum deflexum</i>	Flatcrown buckwheat	<i>Polygonaceae</i>	CA
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	Eastern Mojave buckwheat	<i>Polygonaceae</i>	CA/NV
<i>Eriogonum heermannii</i> var. <i>floccosum</i>	Clark Mountain buckwheat	<i>Polygonaceae</i>	CA
<i>Eriogonum inflatum</i>	Desert trumpet	<i>Polygonaceae</i>	CA/NV
<i>Eriogonum maculatum</i>	Spotted buckwheat	<i>Polygonaceae</i>	CA/NV
<i>Eriogonum microthecum</i> var. ?	Slender buckwheat	<i>Polygonaceae</i>	CA
<i>Eriogonum nidularium</i>	Birdnest buckwheat	<i>Polygonaceae</i>	CA
<i>Eriogonum palmerianum</i>	Palmer's buckwheat	<i>Polygonaceae</i>	CA/NV
<i>Eriogonum plumatella</i>	Yucca buckwheat	<i>Polygonaceae</i>	NV
<i>Eriogonum pusillum</i>	Yellowturbans	<i>Polygonaceae</i>	CA/NV
<i>Eriogonum reniforme</i>	Kidneyleaf buckwheat	<i>Polygonaceae</i>	NV
<i>Eriogonum thomasii</i>	Thomas' buckwheat	<i>Polygonaceae</i>	CA/NV
<i>Eriogonum trichopes</i>	Little deserttrumpet	<i>Polygonaceae</i>	CA/NV
<i>Eriogonum umbellatum</i> var. not in flower	Sulphur-flower buckwheat	<i>Polygonaceae</i>	CA

Latin Name	Common Name	Family	State
<i>Eriogonum wrightii</i>	Bastardsage	<i>Polygonaceae</i>	CA
<i>Eriophyllum pringlei</i>	Pringle's woolly sunflower	<i>Asteraceae</i>	CA/NV
<i>Eriophyllum wallacei</i>	Woolly easterbonnets	<i>Asteraceae</i>	CA/NV
<i>Erodium cicutarium</i>	Redstem stork's bill	<i>Geraniaceae</i>	NV
<i>Eschscholzia glyptosperma</i>	Desert poppy	<i>Papaveraceae</i>	CA/NV
<i>Eschscholzia minutiflora</i>	Pygmy poppy	<i>Papaveraceae</i>	CA/NV
<i>Escobaria vivipara</i> var. <i>deserti</i>	Beehive cactus	<i>Cactaceae</i>	CA
<i>Escobaria vivipara</i> var. <i>rosea</i>	Spinystar	<i>Cactaceae</i>	NV
<i>Eucrypta micrantha</i>	Dainty desert hideseed	<i>Hydrophyllaceae</i>	NV
F & G			
<i>Fallugia paradoxa</i>	Apache plume	<i>Rosaceae</i>	CA
<i>Ferocactus cylindraceus</i>	California barrel cactus	<i>Cactaceae</i>	CA/NV
<i>Galium</i> sp. several that were w/o fls.	Bedstraw	<i>Rubiaceae</i>	CA
<i>Gilia cana</i> ssp. <i>speciformis</i>	Showy gilia	<i>Polemoniaceae</i>	CA/NV
<i>Gilia clokeyi</i>	Clokey's gilia	<i>Polemoniaceae</i>	CA
<i>Gilia hutchinsifolia</i>	Desert pale gilia	<i>Polemoniaceae</i>	NV
<i>Gilia ophthalmoides</i>	Eyed gilia	<i>Polemoniaceae</i>	CA/NV
<i>Gilia scopulorum</i>	Rock gilia	<i>Polemoniaceae</i>	CA/NV
<i>Gilia sinuata</i>	Rosy gilia	<i>Polemoniaceae</i>	CA/NV
<i>Gilia stellata</i>	Star gilia	<i>Polemoniaceae</i>	CA/NV
<i>Gilia subacaulis</i>	Pinyon gilia	<i>Polemoniaceae</i>	NV
<i>Gilia transmontana</i>	Transmontane gilia	<i>Polemoniaceae</i>	CA/NV
<i>Glyptopleura marginata</i>	Carveseed	<i>Asteraceae</i>	NV
<i>Grayia spinosa</i>	Spiny hopsage	<i>Chenopodiaceae</i>	NV
<i>Grusonia parishii</i>	Matted cholla	<i>Cactaceae</i>	CA/NV
<i>Guillenia lasiophylla</i>	California mustard	<i>Brassicaceae</i>	CA/NV
<i>Gutierrezia microcephala</i>	Threadleaf snakeweed	<i>Asteraceae</i>	CA/NV
<i>Gutierrezia sarothrae</i>	Broom snakeweed	<i>Asteraceae</i>	CA
H, I, J & K			
<i>Heliomeris multiflora</i> var. <i>nevadensis</i>	Nevada goldeneye	<i>Asteraceae</i>	CA
<i>Hirschfeldia incana</i>	Shortpod mustard	<i>Brassicaceae</i>	CA
<i>Hordeum murinum</i>	Mouse barley	<i>Poaceae</i>	CA/NV
<i>Hymenoclea salsola</i>	Burrobrush	<i>Asteraceae</i>	CA/NV
<i>Ipomopsis polycladon</i>	Manybranched ipomopsis	<i>Polemoniaceae</i>	CA/NV
<i>Juniperus osteosperma</i>	Utah juniper	<i>Cupressaceae</i>	CA
<i>Kallstroemia californica</i>	California caltrop	<i>Zygophyllaceae</i>	CA
<i>Kallstroemia parviflora</i>	Warty caltrop	<i>Zygophyllaceae</i>	CA
<i>Koeleria nitida</i>	Prairie Junegrass	<i>Poaceae</i>	CA
<i>Krameria grayi</i>	White ratany	<i>Krameriaceae</i>	CA/NV
<i>Krascheninnikovia lanata</i>	Winterfat	<i>Chenopodiaceae</i>	CA/NV

Latin Name	Common Name	Family	State
L			
<i>Langloisia punctata</i>	Great Basin langloisia	<i>Polemoniaceae</i>	CA
<i>Langloisia setosissima</i> ssp. <i>punctata</i>	Great Basin langloisia	<i>Polemoniaceae</i>	CA
<i>Langloisia setosissima</i> ssp. <i>setosissima</i>	Moth langloisia	<i>Polemoniaceae</i>	CA/NV
<i>Larrea tridentata</i>	Creosote bush	<i>Zygophyllaceae</i>	CA/NV
<i>Layia glandulosa</i>	Whitedaisy tidytips	<i>Asteraceae</i>	CA
<i>Lepidium fremontii</i>	Desert pepperweed	<i>Brassicaceae</i>	NV
<i>Lepidium lasiocarpum</i>	Shaggyfruit pepperweed	<i>Brassicaceae</i>	CA/NV
<i>Lepidium</i> sp.	Pepperweed	<i>Brassicaceae</i>	CA
<i>Lepidium virginicum</i> var. <i>pubescens</i>	Hairy pepperweed	<i>Brassicaceae</i>	NV
<i>Linanthus aureus</i>	Golden linanthus	<i>Polemoniaceae</i>	CA/NV
<i>Linanthus</i> cf. <i>bigelovii</i> (need seeds)	Bigelow's linanthus	<i>Polemoniaceae</i>	CA
<i>Linanthus demissus</i>	Desertsnow	<i>Polemoniaceae</i>	CA/NV
<i>Linanthus filiformis</i>	Yellow gilia	<i>Polemoniaceae</i>	CA/NV
<i>Linanthus jonesii</i>	Jones' linanthus	<i>Polemoniaceae</i>	CA/NV
<i>Linanthus</i> sp. (cf. <i>bigelovii</i> need seeds)	Linanthus	<i>Polemoniaceae</i>	NV
<i>Loeseliastrum matthewsii</i>	Desert calico	<i>Polemoniaceae</i>	CA/NV
<i>Loeseliastrum schottii</i>	Schott's calico	<i>Polemoniaceae</i>	CA/NV
<i>Logfia depressa</i>	Dwarf cottonrose	<i>Asteraceae</i>	NV
<i>Lomatium nevadense</i> var. <i>parishii</i>	Parish's biscuitroot	<i>Apiaceae</i>	CA
<i>Lotus rigidus</i>	Shrubby deervetch	<i>Fabaceae</i>	CA
<i>Lotus salsuginosus</i> var. <i>brevivexillus</i>	Coastal bird's-foot trefoil	<i>Fabaceae</i>	CA/NV
<i>Lotus strigosus</i> var. <i>tomentellus</i>	Strigose bird's-foot trefoil	<i>Fabaceae</i>	CA
<i>Lupinus brevicaulis</i>	Shortstem lupine	<i>Fabaceae</i>	CA
<i>Lupinus concinnus</i> var. <i>orcuttii</i>	Orcutt's lupine	<i>Fabaceae</i>	CA/NV
<i>Lupinus flavoculatus</i>	Yelloweyes	<i>Fabaceae</i>	CA/NV
<i>Lupinus shockleyi</i>	Purple desert lupine	<i>Fabaceae</i>	CA/NV
<i>Lycium andersonii</i>	Water jacket	<i>Solanaceae</i>	CA/NV
<i>Lycium cooperi</i>	Peach thorn	<i>Solanaceae</i>	CA/NV
M			
<i>Machaeranthera arida</i>	Arid tansyaster	<i>Asteraceae</i>	CA/NV
<i>Malacothrix glabrata</i>	Smooth desert dandelion	<i>Asteraceae</i>	CA/NV
<i>Malacothrix sonchoides</i>	Sowthistle desertdandelion	<i>Asteraceae</i>	NV
<i>Malcolmia africana</i>	African mustard	<i>Brassicaceae</i>	CA/NV
<i>Mammillaria tetrancistra</i>	Common fishhook cactus	<i>Cactaceae</i>	CA/NV
<i>Menodora scabra</i>	Rough menodora	<i>Menodoraceae</i>	CA
<i>Menodora spinescens</i>	Spiny menodora	<i>Menodoraceae</i>	NV
<i>Mentzelia albicaulis</i>	Whitestem blazingstar	<i>Loasaceae</i>	NV
<i>Mentzelia obscura</i>	Pacific blazingstar	<i>Loasaceae</i>	NV
<i>Mentzelia tricuspis</i>	Spinyhair blazingstar	<i>Loasaceae</i>	NV

Latin Name	Common Name	Family	State
<i>Mimulus bigelovii</i>	Bigelow's monkeyflower	<i>Scrophulariaceae</i>	CA
<i>Mimulus guttatus</i>	Seep monkeyflower	<i>Scrophulariaceae</i>	CA
<i>Mirabilis laevis</i> var. <i>retrorsa</i>	Wishbone-bush	<i>Nyctaginaceae</i>	NV
<i>Mirabilis laevis</i> var. <i>villosa</i>	Wishbone-bush	<i>Nyctaginaceae</i>	CA
<i>Mirabilis multiflora</i>	Colorado four o'clock	<i>Nyctaginaceae</i>	CA
<i>Mirabilis multiflora</i> var. <i>pubescens</i>	Colorado four o'clock	<i>Nyctaginaceae</i>	NV
<i>Mollugo cerviana</i>	Threadstem carpetweed	<i>Molluginaceae</i>	NV
<i>Monolepis nuttalliana</i>	Nuttall's povertyweed	<i>Chenopodiaceae</i>	CA
<i>Monoptilon bellidiforme</i>	Daisy desertstar	<i>Asteraceae</i>	CA/NV
<i>Monoptilon bellioides</i>	Mojave desertstar	<i>Asteraceae</i>	CA/NV
<i>Muhlenbergia porteri</i>	Bush muhly	<i>Poaceae</i>	CA/NV
N			
<i>Nama demissum</i>	Purplemat	<i>Hydrophyllaceae</i>	CA/NV
<i>Nama pusillum</i>	Eggleaf fiddleleaf	<i>Hydrophyllaceae</i>	NV
<i>Nemacladus glanduliferus</i> var. <i>orientalis</i>	Glandular threadplant	<i>Campanulaceae</i>	CA/NV
<i>Neogaerrhinum filipes</i>	Yellow twining snapdragon	<i>Scrophulariaceae</i>	CA/NV
<i>Nicotiana obtusifolia</i>	Desert tobacco	<i>Solanaceae</i>	CA/NV
O			
<i>Oenothera caespitosa</i> ssp. <i>crinita</i>	Tufted evening primrose	<i>Onagraceae</i>	CA
<i>Oenothera caespitosa</i> ssp. <i>marginata</i>	Tufted evening primrose	<i>Onagraceae</i>	NV
<i>Oenothera cavernae</i>	Cavedwelling evening primrose	<i>Onagraceae</i>	NV
<i>Oenothera deltoides</i> ssp. <i>deltoides</i>	Birdcage evening primrose	<i>Onagraceae</i>	NV
<i>Oenothera primiveris</i> ssp. <i>bufonis</i>	Desert evening primrose	<i>Onagraceae</i>	CA/NV
<i>Oenothera primiveris</i> ssp. <i>primiveris</i>	Desert evening primrose	<i>Onagraceae</i>	CA
<i>Oligomeris linifolia</i>	Lineleaf whitepuff	<i>Resedaceae</i>	CA/NV
<i>Opuntia basilaris</i>	Beavertail pricklypear	<i>Cactaceae</i>	CA/NV
<i>Opuntia chlorotica</i>	Dollarjoint pricklypear	<i>Cactaceae</i>	CA
<i>Opuntia phaeacantha</i>	Tulip pricklypear	<i>Cactaceae</i>	CA
<i>Opuntia polyacantha</i> var. <i>erinacea</i>	Grizzlybear pricklypear	<i>Cactaceae</i>	CA/NV
<i>Orobanche cooperi</i>	Desert broomrape	<i>Orobanchaceae</i>	CA/NV
P			
<i>Palafoxia arida</i>	Desert palafox	<i>Asteraceae</i>	NV
<i>Parkinsonia aculeata</i>	Jerusalem thorn	<i>Caesalpiniaceae</i>	NV
<i>Pectis papposa</i>	Manybristle chinchweed	<i>Asteraceae</i>	CA
<i>Pectocarya heterocarpa</i>	Chuckwalla combseed	<i>Boraginaceae</i>	CA/NV
<i>Pectocarya platycarpa</i>	Broadfruit combseed	<i>Boraginaceae</i>	CA/NV
<i>Pectocarya recurvata</i>	Curvenut combseed	<i>Boraginaceae</i>	CA/NV
<i>Pectocarya setosa</i>	Moth combseed	<i>Boraginaceae</i>	CA/NV
<i>Penstemon albomarginatus</i>	Whitemargin beardtongue	<i>Scrophulariaceae</i>	NV

Latin Name	Common Name	Family	State
<i>Penstemon bicolor</i> ssp. <i>roseus</i>	Pinto beardtongue	<i>Scrophulariaceae</i>	NV
<i>Penstemon palmeri</i>	Palmer's penstemon	<i>Scrophulariaceae</i>	CA
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	Gold-back Fern	<i>Pteridaceae</i>	CA
<i>Petalonyx thurberi</i>	Thurber's sandpaper plant	<i>Loasaceae</i>	NV
<i>Phacelia anelsonii</i>	Aven Nelson's phacelia	<i>Hydrophyllaceae</i>	CA
<i>Phacelia coerulea</i>	Skyblue phacelia	<i>Hydrophyllaceae</i>	CA
<i>Phacelia crenulata</i> var. <i>ambigua</i>	Purplestem phacelia	<i>Hydrophyllaceae</i>	NV
<i>Phacelia cryptantha</i>	Hiddenflower phacelia	<i>Hydrophyllaceae</i>	CA
<i>Phacelia distans</i>	Distant phacelia	<i>Hydrophyllaceae</i>	CA
<i>Phacelia fremontii</i>	Fremont's phacelia	<i>Hydrophyllaceae</i>	CA/NV
<i>Phacelia rotundifolia</i>	Roundleaf phacelia	<i>Hydrophyllaceae</i>	NV
<i>Phoradendron californicum</i>	Mesquite mistletoe	<i>Viscaceae</i>	CA/NV
<i>Physalis crassifolia</i>	Yellow nightshade groundcherry	<i>Solanaceae</i>	CA/NV
<i>Physalis hederifolia</i> var. <i>fendleri</i>	Fendler's groundcherry	<i>Solanaceae</i>	CA/NV
<i>Pinus monophylla</i>	Singleleaf piñon	<i>Pinaceae</i>	CA
<i>Plagiobothrys arizonicus</i>	Arizona popcornflower	<i>Boraginaceae</i>	CA/NV
<i>Plagiobothrys jonesii</i>	Mojave popcornflower	<i>Boraginaceae</i>	CA/NV
<i>Plantago ovata</i>	Desert Indianwheat	<i>Plantaginaceae</i>	CA/NV
<i>Pleuraphis jamesii</i>	James' galleta	<i>Poaceae</i>	CA
<i>Pleuraphis rigida</i>	Big galleta	<i>Poaceae</i>	CA/NV
<i>Poa bigelovii</i>	Bigelow's bluegrass	<i>Poaceae</i>	NV
<i>Poa fendleriana</i>	Muttongrass	<i>Poaceae</i>	CA
<i>Polypogon</i> sp.	Rabbitsfoot grass	<i>Poaceae</i>	CA
<i>Porophyllum gracile</i>	Slender poreleaf	<i>Asteraceae</i>	CA/NV
<i>Prenanthesella exigua</i>	Brightwhite	<i>Asteraceae</i>	CA/NV
<i>Prunus fasciculata</i>	Desert almond	<i>Rosaceae</i>	CA
<i>Psilostrophe cooperi</i>	Whitestem paperflower	<i>Asteraceae</i>	CA
<i>Psoralea arborescens</i> var. <i>minutifolia</i>	Johnson's indigobush	<i>Fabaceae</i>	NV
<i>Psoralea fremontii</i>	Fremont's dalea	<i>Fabaceae</i>	NV
<i>Psoralea fremontii</i> complex	Fremont's dalea	<i>Fabaceae</i>	NV
<i>Purshia glandulosa</i>	Desert bitterbrush	<i>Rosaceae</i>	CA
<i>Purshia stansburiana</i>	Stansbury cliffrose	<i>Rosaceae</i>	CA
<i>Purshia tridentata</i>	Antelope bitterbrush	<i>Rosaceae</i>	CA
Q & R			
<i>Quincula lobata</i>	Chinese lantern	<i>Solanaceae</i>	NV
<i>Rafinesquia californica</i>	California plumeseed	<i>Asteraceae</i>	CA
<i>Rafinesquia neomexicana</i>	New Mexico plumeseed	<i>Asteraceae</i>	CA/NV
<i>Rhus aromatica</i> var. <i>trilobata</i>	Skunkbush sumac	<i>Anacardiaceae</i>	CA/NV

Latin Name	Common Name	Family	State
<i>Rumex hymenosepalus</i>	Canaigre dock	<i>Polygonaceae</i>	CA/NV
<i>Rumex violascens</i>	Violet dock	<i>Polygonaceae</i>	NV
S			
<i>Salazaria mexicana</i>	Mexican bladdersage	<i>Lamiaceae</i>	CA/NV
<i>Salix gooddingii</i>	Goodding's willow	<i>Salicaceae</i>	CA
<i>Salsola tragus</i>	Prickly Russian thistle	<i>Chenopodiaceae</i>	CA/NV
<i>Salvia columbariae</i>	Chia	<i>Lamiaceae</i>	CA/NV
<i>Salvia dorrii</i>	Purple sage	<i>Lamiaceae</i>	NV
<i>Salvia mohavensis</i>	Mojave sage	<i>Lamiaceae</i>	CA
<i>Schismus barbatus</i>	Common Mediterranean grass	<i>Poaceae</i>	CA/NV
<i>Senecio multilobatus</i>	Lobeleaf groundsel	<i>Asteraceae</i>	CA
<i>Senna armata</i>	Desertsenna	<i>Caesalpinaceae</i>	NV
<i>Sesuvium verrucosum</i>	Verrucose seapurslane	<i>Aizoaceae</i>	CA
<i>Silene antirrhina</i>	Sleepy silene	<i>Caryophyllaceae</i>	CA
<i>Sisymbrium altissimum</i>	Tall tumbledustard	<i>Brassicaceae</i>	CA
<i>Sisymbrium irio</i>	London rocket	<i>Brassicaceae</i>	CA/NV
<i>Sisymbrium orientale</i>	Indian hedgemustard	<i>Brassicaceae</i>	CA
<i>Sphaeralcea ambigua</i>	Desert globemallow	<i>Malvaceae</i>	CA/NV
<i>Sphaeralcea angustifolia</i>	Copper globemallow	<i>Malvaceae</i>	NV
<i>Sphaeralcea emoryi</i>	Emory's globemallow	<i>Malvaceae</i>	CA/NV
<i>Sphaeralcea parvifolia</i>	Smallflower globemallow	<i>Malvaceae</i>	NV
<i>Sporobolus contractus</i>	Spike dropseed	<i>Poaceae</i>	CA
<i>Sporobolus cryptandrus</i>	Sand dropseed	<i>Poaceae</i>	CA/NV
<i>Sporobolus flexosus</i>	Mesa dropseed	<i>Poaceae</i>	NV
<i>Stanleya pinnata</i>	Desert princesplume	<i>Brassicaceae</i>	CA
<i>Stephanomeria exigua</i>	Small wirelettuce	<i>Asteraceae</i>	NV
<i>Stephanomeria parryi</i>	Parry's wirelettuce	<i>Asteraceae</i>	CA
<i>Stephanomeria pauciflora</i>	Brownplume wirelettuce	<i>Asteraceae</i>	CA/NV
<i>Streptanthella longirostris</i>	Longbeak streptanthella	<i>Brassicaceae</i>	CA/NV
<i>Stylocline intertexta</i>	Morefield's neststraw	<i>Asteraceae</i>	NV
<i>Stylocline micropoides</i>	Woollyhead neststraw	<i>Asteraceae</i>	CA/NV
<i>Suaeda nigra</i>	Mojave seablite	<i>Chenopodiaceae</i>	CA/NV
T			
<i>Tamarix aphylla</i>	Athel tamarisk	<i>Tamaricaceae</i>	CA
<i>Tamarix cf. ramosissima</i>	Saltcedar	<i>Tamaricaceae</i>	NV
<i>Tamarix parviflora</i>	Smallflower tamarisk	<i>Tamaricaceae</i>	CA
<i>Tamarix ramosissima</i>	Saltcedar	<i>Tamaricaceae</i>	CA
<i>Tetradymia stenolepis</i>	Mojave cottonthorn	<i>Asteraceae</i>	CA
<i>Thamnosma montana</i>	Turpentinebroom	<i>Rutaceae</i>	CA

Latin Name	Common Name	Family	State
<i>Thymophylla pentachaeta</i> var. <i>belenidium</i>	Fiveneedle pricklyleaf	<i>Asteraceae</i>	CA/NV
<i>Thysanocarpus curvipes</i>	Sand fringe pod	<i>Brassicaceae</i>	CA/NV
<i>Tidestromia oblongifolia</i>	Arizona honeysweet	<i>Amaranthaceae</i>	CA/NV
<i>Tiquilia canescens</i>	Woody crinkle mat	<i>Boraginaceae</i>	NV
<i>Tiquilia plicata</i>	Fanleaf crinkle mat	<i>Boraginaceae</i>	CA/NV
<i>Trianthema portulacastrum</i>	Desert horse purslane	<i>Aizoaceae</i>	CA/NV
<i>Tridens muticus</i> var. <i>elongatus</i>	Slim tridens	<i>Poaceae</i>	NV
U to Y			
<i>Uropappus lindleyi</i>	Lindley's silverpuffs	<i>Asteraceae</i>	CA/NV
<i>Verbena gooddingii</i>	Southwestern mock vervain	<i>Verbenaceae</i>	CA
<i>Viguiera parishii</i>	Parish's goldeneye	<i>Asteraceae</i>	NV
<i>Vulpia octoflora</i> var. <i>hirtella</i>	Sixweeks fescue	<i>Poaceae</i>	CA/NV
<i>Vulpia octoflora</i> var. <i>octoflora</i>	Sixweeks fescue	<i>Poaceae</i>	CA
<i>Xylorhiza tortifolia</i>	Mojave woodyaster	<i>Asteraceae</i>	CA/NV
<i>Yucca baccata</i>	Banana yucca	<i>Agavaceae</i>	CA
<i>Yucca brevifolia</i>	Joshua tree	<i>Agavaceae</i>	CA
<i>Yucca schidigera</i>	Mojave yucca	<i>Agavaceae</i>	CA/NV

Table 3. Plants found within the EITP project area in California.

Family	Latin Name	Common Name (California)
PTEROPHYTA – Spore-bearing plants including ferns		
Pteridaceae – Brake Family		
	<i>Cheilanthes covillei</i>	Coville’s lipfern
	<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	Gold-back Fern
GYMNOSPERMS – Cone-bearing plants		
Cupressaceae – Cypress Family		
	<i>Juniperus osteosperma</i>	Utah juniper
Ephedraceae – Ephedra Family		
	<i>Ephedra nevadensis</i>	Nevada jointfir
	<i>Ephedra viridis</i>	Mormon tea
Pinaceae – Pine Family		
	<i>Pinus monophylla</i>	Singleleaf piñon
ANGIOSPERMS: Dicotyledons – Flowering plants with two seed leaves		
Aizoaceae – Fig-Marigold Family		
	<i>Sesuvium verrucosum</i>	Verrucose seapurslane
	<i>Trianthema portulacastrum</i>	Desert horsepurslane
Amaranthaceae – Amaranthus Family		
	<i>Amaranthus fimbriatus</i>	Fringed amaranth
	<i>Tidestromia oblongifolia</i>	Arizona honeysweet
Anacardiaceae – Sumac or Cashew Family		
	<i>Rhus aromatica</i> var. <i>trilobata</i>	Skunkbush sumac
Apiaceae (Umbelliferae) – Carrot Family		
	<i>Lomatium nevadense</i> var. <i>parishii</i>	Parish’s biscuitroot
Apocynaceae – Dogbane Family		
	<i>Amsonia tomentosa</i>	Woolly bluestar
Asclepiadaceae – Milkweed Family		
	<i>Asclepias erosa</i>	Desert milkweed
	<i>Asclepias nyctaginifolia</i>	Mojave milkweed
	<i>Cynanchum utahense</i>	Utah swallow-wort
Asteraceae (Compositae) – Sunflower Family		
	<i>Acamptopappus shockleyi</i>	Shockley’s goldenhead
	<i>Adenophyllum cooperi</i>	Cooper’s dogweed
	<i>Ambrosia acanthicarpa</i>	Flatspine bur ragweed
	<i>Ambrosia dumosa</i>	White bursage (burrobush)
	<i>Ambrosia eriocentra</i>	Woolly fruit bur ragweed
	<i>Antheropeas wallacei</i>	Woolly easterbonnets
	<i>Artemisia ludoviciana</i> var. <i>albula</i>	White sagebrush
	<i>Baccharis brachyphylla</i>	Shortleaf baccharis
	<i>Baccharis sergiloides</i>	Desert baccharis

Family	Latin Name	Common Name (California)
	<i>Baileya multiradiata</i>	Desert marigold
	<i>Baileya pleniradiata</i>	Woolly desert marigold
	<i>Brickellia californica</i>	California brickellbush
	<i>Brickellia incana</i>	Woolly brickellbush
	<i>Brickellia oblongifolia</i> var. <i>linifolia</i>	Narrowleaf brickellbush
	<i>Chaenactis carphoclinia</i>	Pebble pincushion
	<i>Chaenactis fremontii</i>	Pincushion flower
	<i>Chaenactis macrantha</i>	Bighead dustymaiden
	<i>Chaenactis stevioides</i>	Esteve's pincushion
	<i>Chaetopappa ericoides</i>	Rose heath
	<i>Chrysothamnus depressus</i>	Longflower rabbitbrush
	<i>Chrysothamnus paniculatus</i>	Mojave rabbitbrush
	<i>Cirsium neomexicanum</i>	New Mexico thistle
	<i>Encelia virginensis</i>	Virgin River brittlebush
	<i>Ericameria cooperi</i>	Cooper's goldenbush
	<i>Ericameria laricifolia</i>	Turpentine bush
	<i>Ericameria linearifolia</i>	Narrowleaf goldenbush
	<i>Eriophyllum pringlei</i>	Pringle's woolly sunflower
	<i>Eriophyllum wallacei</i>	Woolly easterbonnets
	<i>Gutierrezia microcephala</i>	Threadleaf snakeweed
	<i>Gutierrezia sarothrae</i>	Broom snakeweed
	<i>Heliomeris multiflora</i> var. <i>nevadensis</i>	Nevada goldeneye
	<i>Hymenoclea salsola</i>	Burrobrush
	<i>Layia glandulosa</i>	Whitedaisy tidytips
	<i>Machaeranthera arida</i>	Arid tansyaster
	<i>Malacothrix glabrata</i>	Smooth desert dandelion
	<i>Monoptilon bellidifforme</i>	Daisy desertstar
	<i>Monoptilon bellioides</i>	Mojave desertstar
	<i>Pectis papposa</i>	Manybristle chinchweed
	<i>Porophyllum gracile</i>	Slender poreleaf
	<i>Prenanthes exiguus</i>	Brightwhite
	<i>Psilostrophe cooperi</i>	Whitestem paperflower
	<i>Rafinesquia californica</i>	California plumeseed
	<i>Rafinesquia neomexicana</i>	New Mexico plumeseed
	<i>Senecio multilobatus</i>	Lobeleaf groundsel
	<i>Stephanomeria parryi</i>	Parry's wirelettuce
	<i>Stephanomeria pauciflora</i>	Brownplume wirelettuce
	<i>Stylocline micropoides</i>	Woollyhead neststraw
	<i>Tetradymia stenolepis</i>	Mojave cottonthorn
	<i>Thymophylla pentachaeta</i> var. <i>belenidium</i>	Fiveneedle pricklyleaf

Family	Latin Name	Common Name (California)
	<i>Uropappus lindleyi</i>	Lindley's silverpuffs
	<i>Xylorhiza tortifolia</i>	Mojave woodyaster
<i>Bignoniaceae</i> – Bignonia Family		
	<i>Chilopsis linearis</i>	Desert willow
<i>Boraginaceae</i> – Borage Family		
	<i>Amsinckia tessellata</i>	Bristly fiddleneck
	<i>Cryptantha angustifolia</i>	Panamint cryptantha
	<i>Cryptantha barbiger</i>	Bearded cryptantha
	<i>Cryptantha circumscissa</i>	Cushion cryptantha
	<i>Cryptantha pterocarya</i> var. <i>cycloptera</i>	Wingnut cryptantha
	<i>Cryptantha dumetorum</i>	Bushloving cryptantha
	<i>Cryptantha gracilis</i>	Narrowstem cryptantha
	<i>Cryptantha micrantha</i>	Redroot cryptantha
	<i>Cryptantha nevadensis</i>	Nevada cryptantha
	<i>Cryptantha pterocarya</i>	Wingnut cryptantha
	<i>Pectocarya heterocarpa</i>	Chuckwalla combseed
	<i>Pectocarya platycarpa</i>	Broadfruit combseed
	<i>Pectocarya recurvata</i>	Curvenut combseed
	<i>Pectocarya setosa</i>	Moth combseed
	<i>Plagiobothrys arizonicus</i>	Arizona popcornflower
	<i>Plagiobothrys jonesii</i>	Mojave popcornflower
	<i>Tiquilia plicata</i>	Fanleaf crinklemat
<i>Brassicaceae (Cruciferae)</i> – Mustard Family		
	<i>Arabis perennans</i>	Perennial rockcress
	<i>Arabis pulchra</i> var. <i>gracilis</i>	Beautiful rockcress
	<i>Brassica tournefortii</i>	Asian mustard
	<i>Caulanthus cooperi</i>	Cooper's wild cabbage
	<i>Caulanthus crassicaulis</i>	Thickstem wild cabbage
	<i>Descurainia pinnata</i> var. <i>glabra</i>	Western tansymustard
	<i>Descurainia sophia</i>	Herb sophia
	<i>Dithyrea californica</i>	California shieldpod
	<i>Draba cuneifolia</i> var. <i>integrifolia</i>	Wedgeleaf draba
	<i>Guillenia lasiophylla</i>	California mustard
	<i>Hirschfeldia incana</i>	Shortpod mustard
	<i>Lepidium lasiocarpum</i>	Shaggyfruit pepperweed
	<i>Lepidium</i> sp.	Pepperweed
	<i>Malcolmia africana</i>	African mustard
	<i>Sisymbrium altissimum</i>	Tall tumbledustard
	<i>Sisymbrium irio</i>	London rocket
	<i>Sisymbrium orientale</i>	Indian hedgemustard

Family	Latin Name	Common Name (California)
	<i>Stanleya pinnata</i>	Desert princesplume
	<i>Streptanthella longirostris</i>	Longbeak streptanthella
	<i>Thysanocarpus curvipes</i>	Sand fringe pod
<i>Cactaceae</i> – Cactus Family		
	<i>Coryphantha</i> sp.	Beehive cactus
	<i>Cylindropuntia acanthocarpa</i> var. <i>coloradensis</i>	Colorado buckhorn cholla
	<i>Cylindropuntia echinocarpa</i>	Wiggins' cholla
	<i>Cylindropuntia ramosissima</i>	Branched pencil cholla
	<i>Echinocactus polycephalus</i>	Cottontop cactus
	<i>Echinocereus engelmannii</i>	Engelmann's hedgehog cactus
	<i>Escobaria</i> sp.	Beehive cactus
	<i>Ferocactus cylindraceus</i>	California barrel cactus
	<i>Grusonia parishii</i>	Matted cholla
	<i>Mammillaria tetrancistra</i>	Common fishhook cactus
	<i>Opuntia basilaris</i>	Beavertail pricklypear
	<i>Opuntia chlorotica</i>	Dollarjoint pricklypear
	<i>Opuntia phaeacantha</i>	Tulip pricklypear
	<i>Opuntia polyacantha</i> var. <i>erinacea</i>	Grizzlybear pricklypear
<i>Campanulaceae</i> – Bellflower Family		
	<i>Nemacladus glanduliferus</i> var. <i>orientalis</i>	Glandular threadplant
<i>Caryophyllaceae</i> – Pink Family		
	<i>Arenaria macradenia</i>	Mojave sandwort
	<i>Silene antirrhina</i>	Sleepy silene
<i>Chenopodiaceae</i> – Goosefoot Family		
	<i>Atriplex canescens</i>	Fourwing saltbush
	<i>Atriplex confertifolia</i>	Shadscale saltbush
	<i>Atriplex elegans</i> var. <i>fasciculata</i>	Wheelscale saltbush
	<i>Atriplex polycarpa</i>	Cattle saltbush
	<i>Chenopodium incanum</i> var. <i>occidentale</i>	Mealy goosefoot
	<i>Krascheninnikovia lanata</i>	Winterfat
	<i>Monolepis nuttalliana</i>	Nuttall's povertyweed
	<i>Salsola tragus</i>	Prickly Russian thistle
	<i>Suaeda nigra</i>	Mojave seablite
<i>Cucurbitaceae</i> – Gourd Family		
	<i>Cucurbita palmata</i>	Coyote gourd
<i>Euphorbiaceae</i> – Spurge Family		
	<i>Chamaesyce albomarginata</i>	Whitemargin sandmat
	<i>Chamaesyce revoluta</i>	Threadstem sandmat
<i>Fabaceae (Leguminosae)</i> – Legume Family		
	<i>Astragalus bernardinus</i>	San Bernardino milkvetch

Family	Latin Name	Common Name (California)
	<i>Astragalus didymocarpus</i> var. <i>dispermus</i>	Dwarf white milkvetch
	<i>Astragalus lentiginosus</i> var. <i>borreganus</i>	Borrego milkvetch
	<i>Astragalus lentiginosus</i> var. <i>fremontii</i>	Fremont's milkvetch
	<i>Astragalus minthorniae</i> var. <i>villosus</i>	Minthorn's milkvetch
	<i>Astragalus nuttallianus</i> var. <i>imperfectus</i>	Turkeypeas
	<i>Dalea mollissima</i>	Soft prairie clover
	<i>Lotus rigidus</i>	Shrubby deervetch
	<i>Lotus salsuginosus</i> var. <i>brevivexillus</i>	Coastal bird's-foot trefoil
	<i>Lotus strigosus</i> var. <i>tomentellus</i>	Strigose bird's-foot trefoil
	<i>Lupinus brevicaulis</i>	Shortstem lupine
	<i>Lupinus concinnus</i> var. <i>orcuttii</i>	Orcutt's lupine
	<i>Lupinus flavoculatus</i>	Yelloweyes
	<i>Lupinus shockleyi</i>	Purple desert lupine
Geraniaceae – Geranium Family		
	<i>Erodium cicutarium</i>	Redstem stork's bill
Helleboraceae (Jepson: Ranunculaceae) – Hellebore Family		
	<i>Delphinium parishii</i>	Desert larkspur
Hydrophyllaceae – Waterleaf Family		
	<i>Eucrypta micrantha</i>	Dainty desert hideseed
	<i>Nama demissum</i>	Purplemat
	<i>Phacelia crenulata</i> var. <i>ambigua</i>	Purplestem phacelia
	<i>Phacelia anelsonii</i>	Aven Nelson's phacelia
	<i>Phacelia coerulea</i>	Skyblue phacelia
	<i>Phacelia cryptantha</i>	Hiddenflower phacelia
	<i>Phacelia distans</i>	Distant phacelia
	<i>Phacelia fremontii</i>	Fremont's phacelia
Krameriaceae – Rhatany Family		
	<i>Krameria grayi</i>	White ratany
Lamiaceae – Mint Family		
	<i>Salazaria mexicana</i>	Mexican bladdersage
	<i>Salvia columbariae</i>	Chia
	<i>Salvia dorrii</i>	Purple sage
	<i>Salvia mohavensis</i>	Mojave sage
Loasaceae – Loasa Family		
	<i>Mentzelia albicaulis</i>	Whitestem blazingstar
Malvaceae – Mallow Family		
	<i>Eremalche rotundifolia</i>	Desert fivespot
	<i>Sphaeralcea ambigua</i>	Desert globemallow
	<i>Sphaeralcea emoryi</i>	Emory's globemallow
Menodoraceae (Jepson: Oleaceae) – Menodora Family		

Family	Latin Name	Common Name (California)
	<i>Menodora scabra</i>	Rough menodora
	<i>Menodora spinescens</i>	Spiny menodora
Mimosaceae (Jepson: Fabaceae) – Mimosa Family		
	<i>Acacia greggii</i>	Catclaw acacia
Nyctaginaceae – Four O’Clock Family		
	<i>Allionia incarnata</i> var. <i>villosa</i>	Trailing windmills
	<i>Boerhavia wrightii</i>	Largebract spiderling
	<i>Mirabilis laevis</i> var. <i>villosa</i>	Wishbone-bush
	<i>Mirabilis multiflora</i>	Colorado four o’clock
Oleaceae – Olive Family		
	<i>Forestiera pubescens</i>	Stretchberry
Onagraceae – Primrose Family		
	<i>Camissonia boothii</i> var. <i>condensata</i>	Shredding suncup
	<i>Camissonia brevipes</i>	Yellow cups
	<i>Camissonia campestris</i>	Mojave suncup
	<i>Camissonia chamaenerioides</i>	Longcapsule suncup
	<i>Camissonia claviformis</i> var. <i>aurantiaca</i>	Browneyes
	<i>Camissonia refracta</i>	Narrowleaf suncup
	<i>Oenothera caespitosa</i> ssp. <i>crinita</i>	Tufted evening primrose
	<i>Oenothera primiveris</i> ssp. <i>bufonis</i>	Desert evening primrose
	<i>Oenothera primiveris</i> ssp. <i>primiveris</i>	Desert evening primrose
Orobanchaceae – Broom-Rape Family		
	<i>Orobanche cooperi</i>	Desert broomrape
Papaveraceae – Poppy Family		
	<i>Argemone corymbosa</i>	Mojave pricklypoppy
	<i>Eschscholzia glyptosperma</i>	Desert poppy
	<i>Eschscholzia minutiflora</i>	Pygmy poppy
Plantaginaceae – Plantain Family		
	<i>Plantago ovata</i>	Desert Indianwheat
Polemoniaceae – Phlox Family		
	<i>Aliciella hutchinsifolia</i>	Desert pale gilia
	<i>Eriastrum diffusum</i>	Miniature woollystar
	<i>Gilia cana</i> ssp. <i>speciformis</i>	Showy gilia
	<i>Gilia clokeyi</i>	Clokey’s gilia
	<i>Gilia ophthalmoides</i>	Eyed gilia
	<i>Gilia scopulorum</i>	Rock gilia
	<i>Gilia sinuata</i>	Rosy gilia
	<i>Gilia stellata</i>	Star gilia
	<i>Gilia transmontana</i>	Transmontane gilia
	<i>Ipomopsis polycladon</i>	Manybranched ipomopsis

Family	Latin Name	Common Name (California)
	<i>Langloisia punctata</i>	Great Basin langloisia
	<i>Langloisia setosissima</i> ssp. <i>punctata</i>	Great Basin langloisia
	<i>Langloisia setosissima</i> ssp. <i>setosissima</i>	Moth langloisia
	<i>Linanthus aureus</i>	Golden linanthus
	<i>Linanthus</i> cf. <i>bigelovii</i> (need seeds to confirm)	Bigelow's linanthus
	<i>Linanthus demissus</i>	Desertsnow
	<i>Linanthus filiformis</i>	Yellow gilia
	<i>Linanthus jonesii</i>	Jones' linanthus
	<i>Loeseliastrum matthewsii</i>	Desert calico
	<i>Loeseliastrum schottii</i>	Schott's calico
<i>Polygonaceae</i>	– Buckwheat Family	
	<i>Chorizanthe brevicornu</i>	Brittle spineflower
	<i>Chorizanthe rigida</i>	Devil's spineflower
	<i>Eriogonum brachypodum</i>	Parry's buckwheat
	<i>Eriogonum deflexum</i>	Flatcrown buckwheat
	<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	Eastern Mojave buckwheat
	<i>Eriogonum heermannii</i> var. <i>floccosum</i>	Clark Mountain buckwheat
	<i>Eriogonum inflatum</i>	Desert trumpet
	<i>Eriogonum maculatum</i>	Spotted buckwheat
	<i>Eriogonum microthecum</i> var. ?	Slender buckwheat
	<i>Eriogonum nidularium</i>	Birdnest buckwheat
	<i>Eriogonum palmerianum</i>	Palmer's buckwheat
	<i>Eriogonum pusillum</i>	Yellowturbans
	<i>Eriogonum thomasii</i>	Thomas' buckwheat
	<i>Eriogonum trichopes</i>	Little deserttrumpet
	<i>Eriogonum umbellatum</i> var. not in flower	Sulphur-flower buckwheat
	<i>Eriogonum wrightii</i>	Bastardsage
	<i>Rumex hymenosepalus</i>	Canaiigre dock
<i>Portulacaceae</i>	– Purslane Family	
	<i>Claytonia parviflora</i> complex	Streambank springbeauty
<i>Resedaceae</i>	– Mignonette Family	
	<i>Oligomeris linifolia</i>	Lineleaf whitepuff
<i>Rosaceae</i>	– Rose Family	
	<i>Coleogyne ramosissima</i>	Black bush
	<i>Fallugia paradoxa</i>	Apache plume
	<i>Prunus fasciculata</i>	Desert almond
	<i>Purshia glandulosa</i>	Desert bitterbrush
	<i>Purshia stansburiana</i>	Stansbury cliffrose
	<i>Purshia tridentata</i>	Antelope bitterbrush
<i>Rubiaceae</i>	– Madder Family	

Family	Latin Name	Common Name (California)
	<i>Galium</i> sp. several that were not flowering yet	Bedstraw
Rutaceae – Rue Family	<i>Thamnosma montana</i>	Turpentinebroom
Salicaceae – Willow Family	<i>Salix gooddingii</i>	Goodding's willow
Scrophulariaceae – Figwort Family	<i>Castilleja applegatei</i> ssp. <i>martinii</i>	Wavyleaf Indian paintbrush
	<i>Castilleja angustifolia</i>	Northwestern Indian paintbrush
	<i>Mimulus bigelovii</i>	Bigelow's monkeyflower
	<i>Mimulus guttatus</i>	Seep monkeyflower
	<i>Neogaerrhinum filipes</i>	Yellow twining snapdragon
	<i>Penstemon palmeri</i>	Palmer's penstemon
Solanaceae – Nightshade Family	<i>Datura wrightii</i>	Sacred thorn-apple
	<i>Lycium andersonii</i>	Water jacket
	<i>Lycium cooperi</i>	Peach thorn
	<i>Nicotiana obtusifolia</i>	Desert tobacco
	<i>Physalis crassifolia</i>	Yellow nightshade groundcherry
	<i>Physalis hederifolia</i> var. <i>fendleri</i>	Fendler's groundcherry
Tamaricaceae – Tamarisk Family	<i>Tamarix aphylla</i>	Athel tamarisk
	<i>Tamarix parviflora</i>	Smallflower tamarisk
	<i>Tamarix ramosissima</i>	Saltcedar
Verbenaceae – Vervain Family	<i>Verbena gooddingii</i>	Southwestern mock vervain
Viscaceae – Mistletoe Family	<i>Phoradendron californicum</i>	Mesquite mistletoe
Zygophyllaceae – Caltrop Family	<i>Kallstroemia californica</i>	California caltrop
	<i>Kallstroemia parviflora</i>	Warty caltrop
	<i>Larrea tridentata</i>	Creosote bush
ANGIOSPERMS: Monocotyledons – Flowering plants with one seed leaf		
Agavaceae (Jepson: Liliaceae) – Agave Family	<i>Yucca baccata</i>	Banana yucca
	<i>Yucca brevifolia</i>	Joshua tree
	<i>Yucca schidigera</i>	Mojave yucca
Cyperaceae – Sedge Family	<i>Eleocharis parishii</i>	Parish's spikerush
Liliaceae – Lily Family	<i>Calochortus kennedyi</i>	Desert mariposa lily

Family	Latin Name	Common Name (California)
Poaceae (Gramineae) – Grass Family		
	<i>Achnatherum hymenoides</i>	Indian ricegrass
	<i>Achnatherum speciosum</i>	Desert needlegrass
	<i>Aristida adscensionis</i>	Sixweeks threeawn
	<i>Aristida purpurea</i> var. <i>longiseta</i>	Fendler threeawn
	<i>Aristida purpurea</i> complex	Purple threeawn
	<i>Avena fatua</i>	Wild oat
	<i>Bouteloua barbata</i>	Sixweeks grama
	<i>Bouteloua curtipendula</i>	Sideoats grama
	<i>Bouteloua eriopoda</i>	Black grama
	<i>Bromus rigidus</i>	Ripgut brome
	<i>Bromus rubens</i>	Red brome
	<i>Bromus tectorum</i>	Cheatgrass
	<i>Bromus trinii</i>	Chilean chess
	<i>Dasyochloa pulchella</i>	Low woollygrass
	<i>Elymus elymoides</i> var. <i>brevifolius</i>	Squirreltail
	<i>Enneapogon desvauxii</i>	Nineawn pappusgrass
	<i>Eragrostis cilianensis</i>	Stinkgrass
	<i>Hordeum murinum</i>	Mouse barley
	<i>Koeleria nitida</i>	Prairie Junegrass
	<i>Muhlenbergia porteri</i>	Bush muhly
	<i>Pleuraphis jamesii</i>	James' galleta
	<i>Pleuraphis rigida</i>	Big galleta
	<i>Poa fendleriana</i>	Muttongrass
	<i>Polypogon</i> sp.	Rabbitsfoot grass
	<i>Schismus barbatus</i>	Common Mediterranean grass
	<i>Sporobolus contractus</i>	Spike dropseed
	<i>Sporobolus cryptandrus</i>	Sand dropseed
	<i>Vulpia octoflora</i> var. <i>hirtella</i>	Sixweeks fescue
	<i>Vulpia octoflora</i> var. <i>octoflora</i>	Sixweeks fescue
Themidaceae (Jepson: Liliaceae) – Brodiaea Family		
	<i>Androstephium breviflorum</i>	Pink funnel lily
	<i>Dichelostemma capitatum</i>	Bluedicks

Table 4. Plants found within the EITP project area in Nevada.

Family	Latin Name	Common Name (Nevada)
GYMNOSPERMS – Cone-bearing Plants		
<i>Ephedraceae</i> – Ephedra Family		
	<i>Ephedra nevadensis</i>	Jointfir
ANGIOSPERMS: Dicotyledons – Flowering plants with two seed leaves		
<i>Aizoaceae</i> – Fig-Marigold Family		
	<i>Trianthema portulacastrum</i>	Desert horsepurslane
<i>Amaranthaceae</i> – Amaranthus Family		
	<i>Amaranthus crassipes</i>	Spreading amaranth
	<i>Amaranthus fimbriatus</i>	Fringed amaranth
	<i>Tidestromia oblongifolia</i>	Arizona honeysweet
<i>Anacardiaceae</i> – Sumac or Cashew Family		
	<i>Rhus aromatica</i> var. <i>trilobata</i>	Skunkbush sumac
<i>Apocynaceae</i> – Dogbane Family		
	<i>Amsonia tomentosa</i>	Woolly bluestar
<i>Asclepiadaceae</i> – Milkweed Family		
	<i>Asclepias nyctaginifolia</i>	Mojave milkweed
<i>Asteraceae (Compositae)</i> – Sunflower Family		
	<i>Acamptopappus shockleyi</i>	Shockley’s goldenhead
	<i>Acamptopappus sphaerocephalus</i>	Rayless goldenhead
	<i>Adenophyllum cooperi</i>	Cooper’s dogweed
	<i>Ambrosia dumosa</i>	White bursage (burrobush)
	<i>Ambrosia eriocentra</i>	Woolly fruit bur ragweed
	<i>Anisocoma acaulis</i>	Scalebud
	<i>Antheropeas wallacei</i>	Woolly easterbonnets
	<i>Baccharis brachyphylla</i>	Shortleaf baccharis
	<i>Baileya multiradiata</i>	Desert marigold
	<i>Baileya pleniradiata</i>	Woolly desert marigold
	<i>Bebbia juncea</i> var. <i>aspera</i>	Sweetbush
	<i>Brickellia arguta</i>	Pungent brickellbush
	<i>Brickellia desertorum</i>	Desert brickellbush
	<i>Brickellia incana</i>	Woolly brickellbush
	<i>Brickellia oblongifolia</i> var. <i>linifolia</i>	Narrowleaf brickellbush
	<i>Calycoseris parryi</i>	Yellow tackstem
	<i>Calycoseris wrightii</i>	White tackstem
	<i>Chaenactis carphoclinia</i>	Pebble pincushion
	<i>Chaenactis fremontii</i>	Pincushion flower
	<i>Chaenactis macrantha</i>	Bighead dustymaiden
	<i>Chaenactis stevioides</i>	Esteve’s pincushion
	<i>Chaetopappa ericoides</i>	Rose heath

Family	Latin Name	Common Name (Nevada)
	<i>Chrysothamnus paniculatus</i>	Mojave rabbitbrush
	<i>Encelia farinosa</i>	Brittlebush
	<i>Encelia virginensis</i>	Virgin River brittlebush
	<i>Enceliopsis nudicaulis</i>	Nakedstem sunray
	<i>Ericameria laricifolia</i>	Turpentine bush
	<i>Ericameria linearifolia</i>	Narrowleaf goldenbush
	<i>Eriophyllum pringlei</i>	Pringle's woolly sunflower
	<i>Eriophyllum wallacei</i>	Woolly easterbonnets
	<i>Glyptopleura marginata</i>	Carveseed
	<i>Gutierrezia microcephala</i>	Threadleaf snakeweed
	<i>Hymenoclea salsola</i>	Burrobrush
	<i>Logfia depressa</i>	Dwarf cottonrose
	<i>Machaeranthera arida</i>	Arid tansyaster
	<i>Malacothrix glabrata</i>	Smooth desertydandelion
	<i>Malacothrix sonchoides</i>	Sowthistle desertydandelion
	<i>Monoptilon bellidiforme</i>	Daisy desertstar
	<i>Monoptilon bellioides</i>	Mojave desertstar
	<i>Palafoxia arida</i>	Desert palafox
	<i>Porophyllum gracile</i>	Slender poreleaf
	<i>Prenanthes exiguus</i>	Brightwhite
	<i>Rafinesquia neomexicana</i>	New Mexico plumeseed
	<i>Stephanomeria exiguus</i>	Small wirelettuce
	<i>Stephanomeria pauciflora</i>	Brownplume wirelettuce
	<i>Stylocline intertexta</i>	Morefield's neststraw
	<i>Stylocline micropoides</i>	Woollyhead neststraw
	<i>Thymophylla pentachaeta</i> var. <i>belenidium</i>	Fiveneedle pricklyleaf
	<i>Uropappus lindleyi</i>	Lindley's silverpuffs
	<i>Viguiera parishii</i>	Parish's goldeneye
	<i>Xylorhiza tortifolia</i>	Mojave woodyaster
Bignoniaceae	– Bignonia Family	
	<i>Chilopsis linearis</i>	Desert willow
Boraginaceae	– Borage Family	
	<i>Amsinckia tessellata</i>	Bristly fiddleneck
	<i>Cryptantha angustifolia</i>	Panamint cryptantha
	<i>Cryptantha barbigerus</i>	Bearded cryptantha
	<i>Cryptantha circumscissa</i>	Cushion cryptantha
	<i>Cryptantha pterocarya</i> var. <i>cycloptera</i>	Wingnut cryptantha
	<i>Cryptantha pterocarya</i> var. <i>stenoloba</i>	Wingnut cryptantha
	<i>Cryptantha dumetorum</i>	Bushloving cryptantha
	<i>Cryptantha maritima</i>	Guadalupe cryptantha

Family	Latin Name	Common Name (Nevada)
	<i>Cryptantha micrantha</i>	Redroot cryptantha
	<i>Cryptantha nevadensis</i>	Nevada cryptantha
	<i>Cryptantha utahensis</i>	Scented cryptantha
	<i>Cryptantha virginensis</i>	Virgin River cryptantha
	<i>Pectocarya heterocarpa</i>	Chuckwalla combseed
	<i>Pectocarya platycarpa</i>	Broadfruit combseed
	<i>Pectocarya recurvata</i>	Curvenut combseed
	<i>Pectocarya setosa</i>	Moth combseed
	<i>Plagiobothrys arizonicus</i>	Arizona popcornflower
	<i>Plagiobothrys jonesii</i>	Mojave popcornflower
	<i>Tiquilia canescens</i>	Woody crinklemat
	<i>Tiquilia plicata</i>	Fanleaf crinklemat
Brassicaceae (Cruciferae) – Mustard Family		
	<i>Arabis pulchra</i>	Beautiful rockcress
	<i>Caulanthus cooperi</i>	Cooper's wild cabbage
	<i>Descurainia pinnata</i> var. <i>glabra</i>	Western tansymustard
	<i>Descurainia sophia</i>	Herb sophia
	<i>Dithyrea californica</i>	California shieldpod
	<i>Draba cuneifolia</i> var. <i>integrifolia</i>	Wedgeleaf draba
	<i>Guillenia lasiophylla</i>	California mustard
	<i>Lepidium fremontii</i>	Desert pepperweed
	<i>Lepidium lasiocarpum</i>	Shaggyfruit pepperweed
	<i>Lepidium virginicum</i> var. <i>pubescens</i>	Hairy pepperweed
	<i>Malcolmia africana</i>	African mustard
	<i>Sisymbrium irio</i>	London rocket
	<i>Streptanthella longirostris</i>	Longbeak streptanthella
	<i>Thysanocarpus curvipes</i>	Sand fringe pod
Cactaceae – Cactus Family		
	<i>Cylindropuntia acanthocarpa</i> var. <i>coloradensis</i>	Colorado buckhorn cholla
	<i>Cylindropuntia echinocarpa</i>	Wiggins' cholla
	<i>Cylindropuntia ramosissima</i>	Branched pencil cholla
	<i>Echinocactus polycephalus</i>	Cottontop cactus
	<i>Echinocereus engelmannii</i>	Engelmann's hedgehog cactus
	<i>Echinomastus johnsonii</i>	Johnson's fishhook cactus
	<i>Escobaria vivipara</i> var. <i>rosea</i>	Spinystar
	<i>Ferocactus cylindraceus</i>	California barrel cactus
	<i>Grusonia parishii</i>	Matted cholla
	<i>Mammillaria tetrancistra</i>	Common fishhook cactus
	<i>Opuntia basilaris</i>	Beavertail pricklypear
	<i>Opuntia polyacantha</i> var. <i>erinacea</i>	Grizzlybear pricklypear

Family	Latin Name	Common Name (Nevada)
Caesalpinaceae (Jepson: Fabaceae) – Senna Family		
	<i>Parkinsonia aculeata</i>	Jerusalem thorn
	<i>Senna armata</i>	Desertsenna
Campanulaceae – Bellflower Family		
	<i>Nemacladus glanduliferus</i> var. <i>orientalis</i>	Glandular threadplant
Chenopodiaceae – Goosefoot Family		
	<i>Atriplex confertifolia</i>	Shadscale saltbush
	<i>Atriplex elegans</i> var. <i>fasciculata</i>	Wheelscale saltbush
	<i>Atriplex hymenelytra</i>	Desertholly
	<i>Atriplex polycarpa</i>	Cattle saltbush
	<i>Chenopodium incanum</i> var. <i>occidentale</i>	Mealy goosefoot
	<i>Grayia spinosa</i>	Spiny hopsage
	<i>Krascheninnikovia lanata</i>	Winterfat
	<i>Salsola tragus</i>	Prickly Russian thistle
	<i>Suaeda nigra</i>	Mojave seablite
Cucurbitaceae – Gourd Family		
	<i>Cucurbita palmata</i>	Coyote gourd
Cuscutaceae – Dodder Family		
	<i>Cuscuta californica</i> var. <i>apiculata</i>	Chaparral dodder
Euphorbiaceae – Spurge Family		
	<i>Argythamnia neomexicana</i>	New Mexico silverbush
	<i>Chamaesyce albomarginata</i>	Whitemargin sandmat
	<i>Chamaesyce polycarpa</i>	Smallseed sandmat
Fabaceae (Leguminosae) – Legume Family		
	<i>Astragalus didymocarpus</i> var. <i>dispermus</i>	Dwarf white milkvetch
	<i>Astragalus lentiginosus</i> var. <i>fremontii</i>	Fremont's milkvetch
	<i>Astragalus nuttallianus</i>	Smallflowered milkvetch
	<i>Astragalus sabulonum</i>	Gravel milkvetch
	<i>Dalea mollissima</i>	Soft prairie clover
	<i>Lotus salsuginosus</i> var. <i>brevivexillus</i>	Coastal bird's-foot trefoil
	<i>Lupinus concinnus</i> var. <i>orcuttii</i>	Orcutt's lupine
	<i>Lupinus flavoculatus</i>	Yelloweyes
	<i>Lupinus shockleyi</i>	Purple desert lupine
	<i>Psorothamnus arborescens</i> var. <i>minutifolius</i>	Johnson's indigobush
	<i>Psorothamnus fremontii</i>	Fremont's dalea
	<i>Psorothamnus fremontii</i> complex	Fremont's dalea
Geraniaceae – Geranium Family		
	<i>Erodium cicutarium</i>	Redstem stork's bill
Helleboraceae (Jepson: Ranunculaceae) – Hellebore Family		
	<i>Delphinium parishii</i> ssp. <i>parishii</i>	Parish's larkspur

Family	Latin Name	Common Name (Nevada)
Hydrophyllaceae – Waterleaf Family		
	<i>Eucrypta micrantha</i>	Dainty desert hideseed
	<i>Nama demissum</i>	Purplemat
	<i>Nama pusillum</i>	Eggleaf fiddleleaf
	<i>Phacelia crenulata</i> var. <i>ambigua</i>	Purplestem phacelia
	<i>Phacelia fremontii</i>	Fremont's phacelia
	<i>Phacelia rotundifolia</i>	Roundleaf phacelia
Krameriaceae – Rhatany Family		
	<i>Krameria grayi</i>	White ratany
Lamiaceae – Mint Family		
	<i>Salazaria mexicana</i>	Mexican bladdersage
	<i>Salvia columbariae</i>	Chia
	<i>Salvia dorrii</i>	Purple sage
Loasaceae – Loasa Family		
	<i>Mentzelia albicaulis</i>	Whitestem blazingstar
	<i>Mentzelia obscura</i>	Pacific blazingstar
	<i>Mentzelia tricuspis</i>	Spinyhair blazingstar
	<i>Petalonyx thurberi</i>	Thurber's sandpaper plant
Malvaceae – Mallow Family		
	<i>Sphaeralcea ambigua</i>	Desert globemallow
	<i>Sphaeralcea angustifolia</i>	Copper globemallow
	<i>Sphaeralcea emoryi</i>	Emory's globemallow
	<i>Sphaeralcea parvifolia</i>	Smallflower globemallow
Menodoraceae (Jepson: Oleaceae) – Menodora Family		
	<i>Menodora spinescens</i>	Spiny menodora
Mimosaceae (Jepson: Fabaceae) – Mimosa Family		
	<i>Acacia greggii</i>	Catclaw acacia
Molluginaceae – Carpet-Weed Family		
	<i>Mollugo cerviana</i>	Threadstem carpetweed
Nyctaginaceae – Four O'Clock Family		
	<i>Abronia villosa</i>	Desert sand verbena
	<i>Allionia incarnata</i> var. <i>villosa</i>	Trailing windmills
	<i>Boerhavia wrightii</i>	Largebract spiderling
	<i>Mirabilis laevis</i> var. <i>retrorsa</i>	Wishbone-bush
	<i>Mirabilis multiflora</i> var. <i>pubescens</i>	Colorado four o'clock
Onagraceae – Primrose Family		
	<i>Camissonia boothii</i> var. <i>condensata</i>	Shredding suncup
	<i>Camissonia brevipes</i>	Yellow cups
	<i>Camissonia campestris</i>	Mojave suncup
	<i>Camissonia chamaenerioides</i>	Longcapsule suncup

Family	Latin Name	Common Name (Nevada)
	<i>Camissonia claviformis</i> var. <i>aurantiaca</i>	Browneyes
	<i>Camissonia refracta</i>	Narrowleaf suncup
	<i>Oenothera cavernae</i>	Cavedwelling evening primrose
	<i>Oenothera caespitosa</i> ssp. <i>marginata</i>	Tufted evening primrose
	<i>Oenothera deltoides</i> ssp. <i>deltoides</i>	Birdcage evening primrose
	<i>Oenothera primiveris</i> ssp. <i>bufonis</i>	Desert evening primrose
Orobanchaceae	– Broom-Rape Family	
	<i>Orobanche cooperi</i>	Desert broomrape
Papaveraceae	– Poppy Family	
	<i>Argemone minuta</i> ssp. <i>rotundata</i>	Flatbud pricklypoppy
	<i>Eschscholzia glyptosperma</i>	Desert poppy
	<i>Eschscholzia minutiflora</i>	Pygmy poppy
Plantaginaceae	– Plantain Family	
	<i>Plantago ovata</i>	Desert Indianwheat
Polemoniaceae	– Phlox Family	
	<i>Aliciella hutchinsifolia</i>	Desert pale gilia
	<i>Aliciella subacaulis</i>	Pinyon gilia
	<i>Eriastrum diffusum</i>	Miniature woollystar
	<i>Eriastrum eremicum</i>	Desert woollystar
	<i>Gilia cana</i> ssp. <i>speciformis</i>	Showy gilia
	<i>Gilia hutchinsifolia</i>	Desert pale gilia
	<i>Gilia ophthalmoides</i>	Eyed gilia
	<i>Gilia scopulorum</i>	Rock gilia
	<i>Gilia sinuata</i>	Rosy gilia
	<i>Gilia stellata</i>	Star gilia
	<i>Gilia subacaulis</i>	Pinyon gilia
	<i>Gilia transmontana</i>	Transmontane gilia
	<i>Ipomopsis polycladon</i>	Manybranched ipomopsis
	<i>Langloisia setosissima</i> ssp. <i>setosissima</i>	Moth langloisia
	<i>Linanthus aureus</i>	Golden linanthus
	<i>Linanthus demissus</i>	Desertsnow
	<i>Linanthus filiformis</i>	Yellow gilia
	<i>Linanthus jonesii</i>	Jones' linanthus
	<i>Linanthus</i> sp. (like <i>bigelovii</i> but need seeds for I.D.)	Linanthus
	<i>Loeseliastrum matthewsii</i>	Desert calico
	<i>Loeseliastrum schottii</i>	Schott's calico
Polygonaceae	– Buckwheat Family	
	<i>Chorizanthe brevicornu</i>	Brittle spineflower
	<i>Chorizanthe rigida</i>	Devil's spineflower
	<i>Chorizanthe watsonii</i>	Fivetooth spineflower

Family	Latin Name	Common Name (Nevada)
	<i>Eriogonum brachypodum</i>	Parry's buckwheat
	<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	Eastern Mojave buckwheat
	<i>Eriogonum inflatum</i>	Desert trumpet
	<i>Eriogonum maculatum</i>	Spotted buckwheat
	<i>Eriogonum palmerianum</i>	Palmer's buckwheat
	<i>Eriogonum plumatella</i>	Yucca buckwheat
	<i>Eriogonum pusillum</i>	Yellowturbans
	<i>Eriogonum reniforme</i>	Kidneyleaf buckwheat
	<i>Eriogonum thomasii</i>	Thomas' buckwheat
	<i>Eriogonum trichopes</i>	Little deserttrumpet
	<i>Rumex hymenosepalus</i>	Canaigre dock
	<i>Rumex violascens</i>	Violet dock
Ranunculaceae – Buttercup Family		
	<i>Anemone tuberosa</i>	Tuber anemone
Resedaceae – Mignonette Family		
	<i>Oligomeris linifolia</i>	Lineleaf whitepuff
Scrophulariaceae – Figwort Family		
	<i>Castilleja angustifolia</i>	Northwestern Indian paintbrush
	<i>Neogaerrhinum filipes</i>	Yellow twining snapdragon
	<i>Penstemon albomarginatus</i>	Whitemargin beardtongue
	<i>Penstemon bicolor</i> ssp. <i>roseus</i>	Pinto beardtongue
Solanaceae – Nightshade Family		
	<i>Datura wrightii</i>	Sacred thorn-apple
	<i>Lycium andersonii</i>	Water jacket
	<i>Lycium cooperi</i>	Peach thorn
	<i>Nicotiana obtusifolia</i>	Desert tobacco
	<i>Physalis crassifolia</i>	Yellow nightshade groundcherry
	<i>Physalis hederifolia</i> var. <i>palmeri</i>	Palmer's groundcherry
	<i>Quincula lobata</i>	Chinese lantern
Tamaricaceae – Tamarisk Family		
	<i>Tamarix</i> cf. <i>ramosissima</i>	Saltcedar
Verbenaceae – Vervain Family		
	<i>Aloysia wrightii</i>	Wright's beebrush
Viscaceae – Mistletoe Family		
	<i>Phoradendron californicum</i>	Mesquite mistletoe
Zygophyllaceae – Caltrop Family		
	<i>Larrea tridentata</i>	Creosote bush
	ANGIOSPERMS: Monocotyledons – Flowering plants with one seed leaf	
Agavaceae (Jepson: Liliaceae) – Agave Family		
	<i>Yucca schidigera</i>	Mojave yucca

Family	Latin Name	Common Name (Nevada)
Poaceae (Gramineae) – Grass Family		
	<i>Achnatherum speciosum</i>	Desert needlegrass
	<i>Aristida adscensionis</i>	Sixweeks threeawn
	<i>Aristida purpurea</i>	Purple threeawn
	<i>Bouteloua aristidoides</i>	Needle grama
	<i>Bouteloua barbata</i>	Sixweeks grama
	<i>Bromus madritensis</i>	Compact brome
	<i>Bromus rubens</i>	Red brome
	<i>Bromus tectorum</i>	Cheatgrass
	<i>Cynodon dactylon</i>	Bermudagrass
	<i>Dasyochloa pulchella</i>	Low woollygrass
	<i>Enneapogon desvauxii</i>	Nineawn pappusgrass
	<i>Eragrostis cilianensis</i>	Stinkgrass
	<i>Hordeum murinum</i>	Mouse barley
	<i>Muhlenbergia porteri</i>	Bush muhly
	<i>Pleuraphis rigida</i>	Big galleta
	<i>Poa bigelovii</i>	Bigelow's bluegrass
	<i>Schismus barbatus</i>	Common Mediterranean grass
	<i>Sporobolus cryptandrus</i>	Sand dropseed
	<i>Sporobolus flexosus</i>	Mesa dropseed
	<i>Tridens muticus</i> var. <i>elongatus</i>	Slim tridens
	<i>Vulpia octoflora</i> var. <i>hirtella</i>	Sixweeks fescue
Themidaceae (Jepson: Liliaceae) – Brodiaea Family		
	<i>Androstephium breviflorum</i>	Pink funnel lily