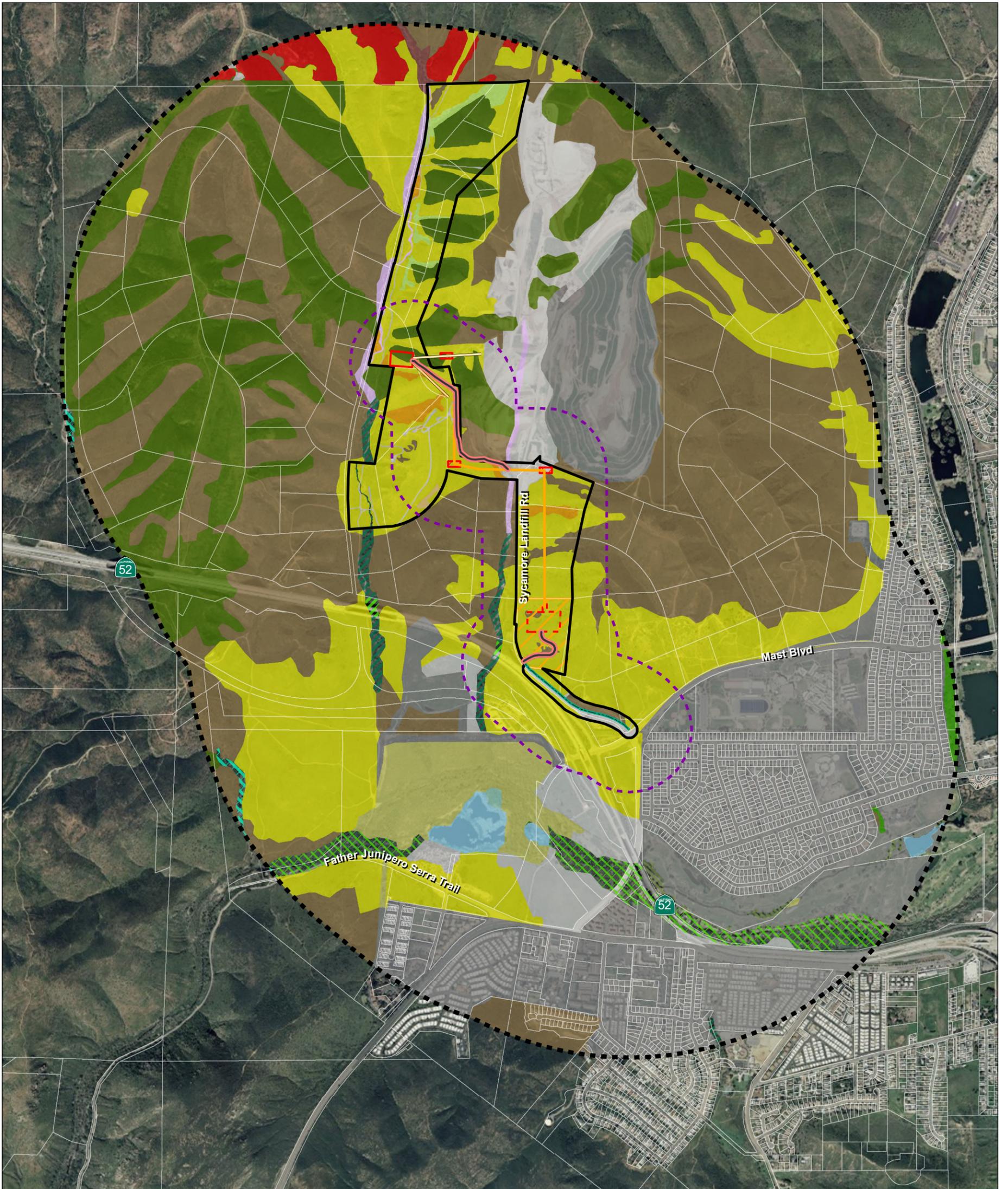


## EXHIBITS

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**Legend**

<ul style="list-style-type: none"> <li> Survey Area</li> <li> Project Facility</li> <li> 1,000-foot Transmission and Gas Line Buffer</li> <li> 1-Mile Project Site Buffer</li> </ul>	<p><b>Facilities</b></p> <ul style="list-style-type: none"> <li> Lattice Tower</li> <li> Switchyard</li> <li> Plant Site</li> <li> Gas Line</li> <li> Access Roads</li> </ul> <p><b>Preliminary Gen-Tie</b></p> <ul style="list-style-type: none"> <li> Overhead Gen-Tie</li> <li> Underground Gen-Tie</li> <li> North Loop Overhead Line</li> <li> South Loop Overhead Line</li> </ul>	<p><b>Plant Communities (Holland Code)</b></p> <ul style="list-style-type: none"> <li> Southern Mixed Chaparral (37120)</li> <li> Southern Riparian Scrub (63300)</li> <li> Coastal Sage-Chaparral Scrub (37600)</li> <li> Diegan Coastal Sage Scrub (32500)</li> <li> Diegan Coastal Sage Scrub w/NNG (32500/42200)</li> <li> Disturbed Habitat (11300)</li> <li> Urban/Developed (12000)</li> <li> Granitic Chamise Chaparral (37210)</li> <li> Granitic Chamise Chaparral w/NNG (37210/42200)</li> <li> Granitic Southern Mixed Chaparral w/NNG (31721/42200)</li> </ul>	<ul style="list-style-type: none"> <li> Non-Native Grassland (NNG) (42200)</li> <li> Non-Vegetated Channel (13200)</li> <li> Southern Arroyo Willow Riparian Forest</li> <li> Southern Sycamore-Alder Riparian Woodland</li> <li> Southern Cottonwood-Willow Riparian Forest</li> <li> Riparian Woodlands</li> <li> Southern Riparian Forest</li> <li> Southern Coast Live Oak Riparian Forest</li> <li> Coastal and Valley Freshwater Marsh (52410)</li> <li> Freshwater; Open Water (13140)</li> </ul>
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Source: ESRI Aerial Imagery. MBA Field Survey and GIS Data (2011). San Diego County GIS Department.

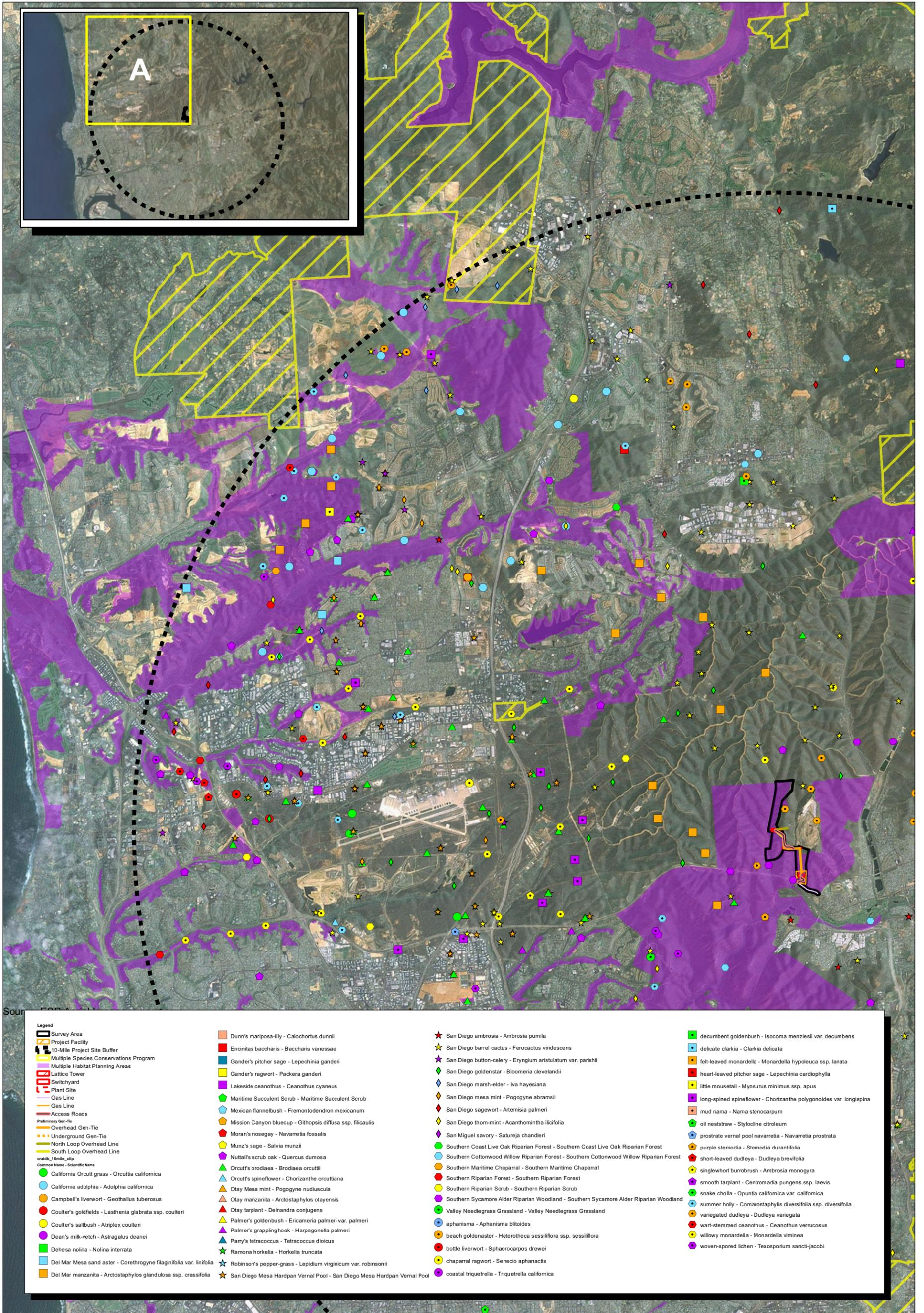


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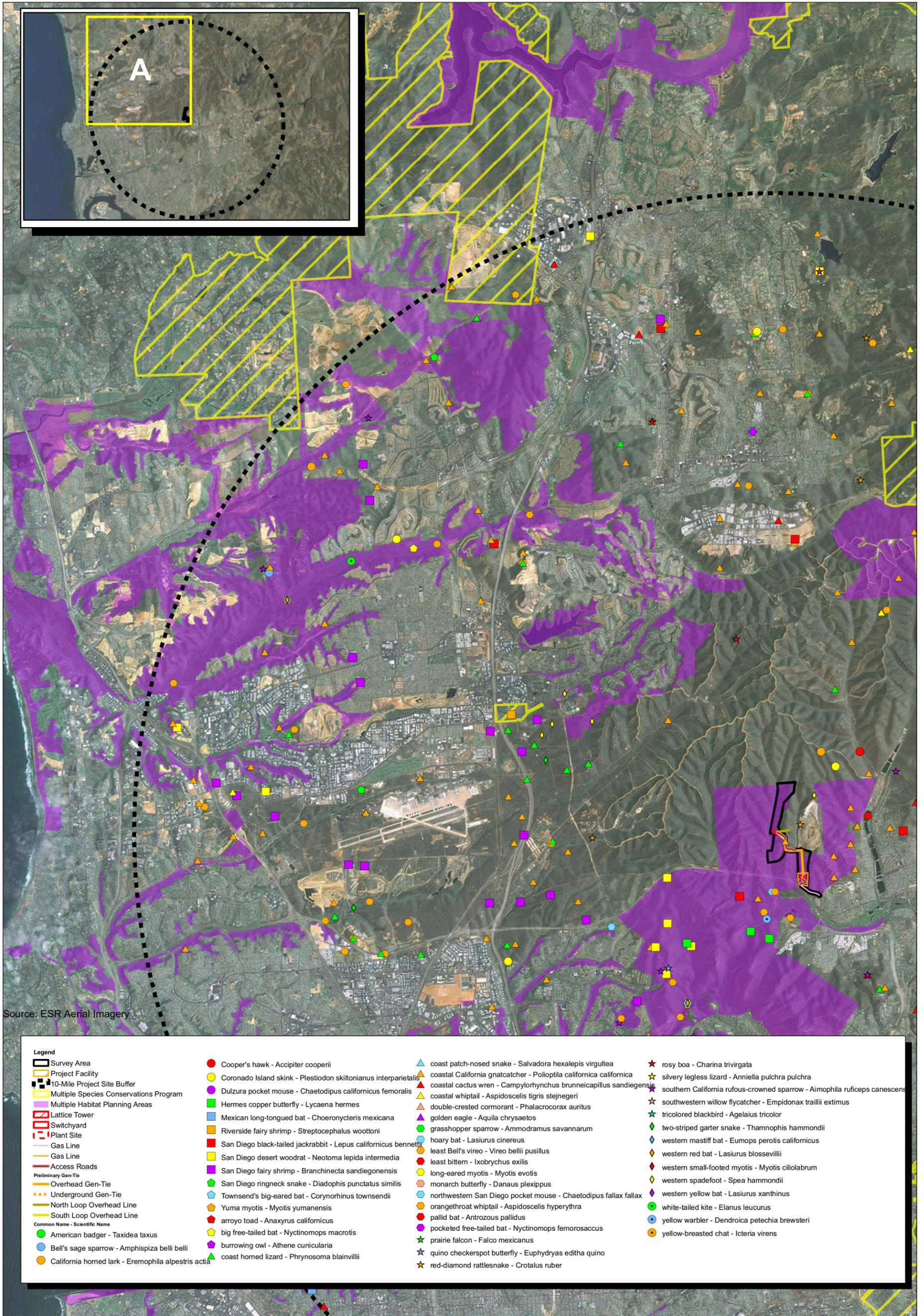


**Exhibit 1**  
**Vegetation Communities**  
**within a 1-Mile Radius of Project Site**

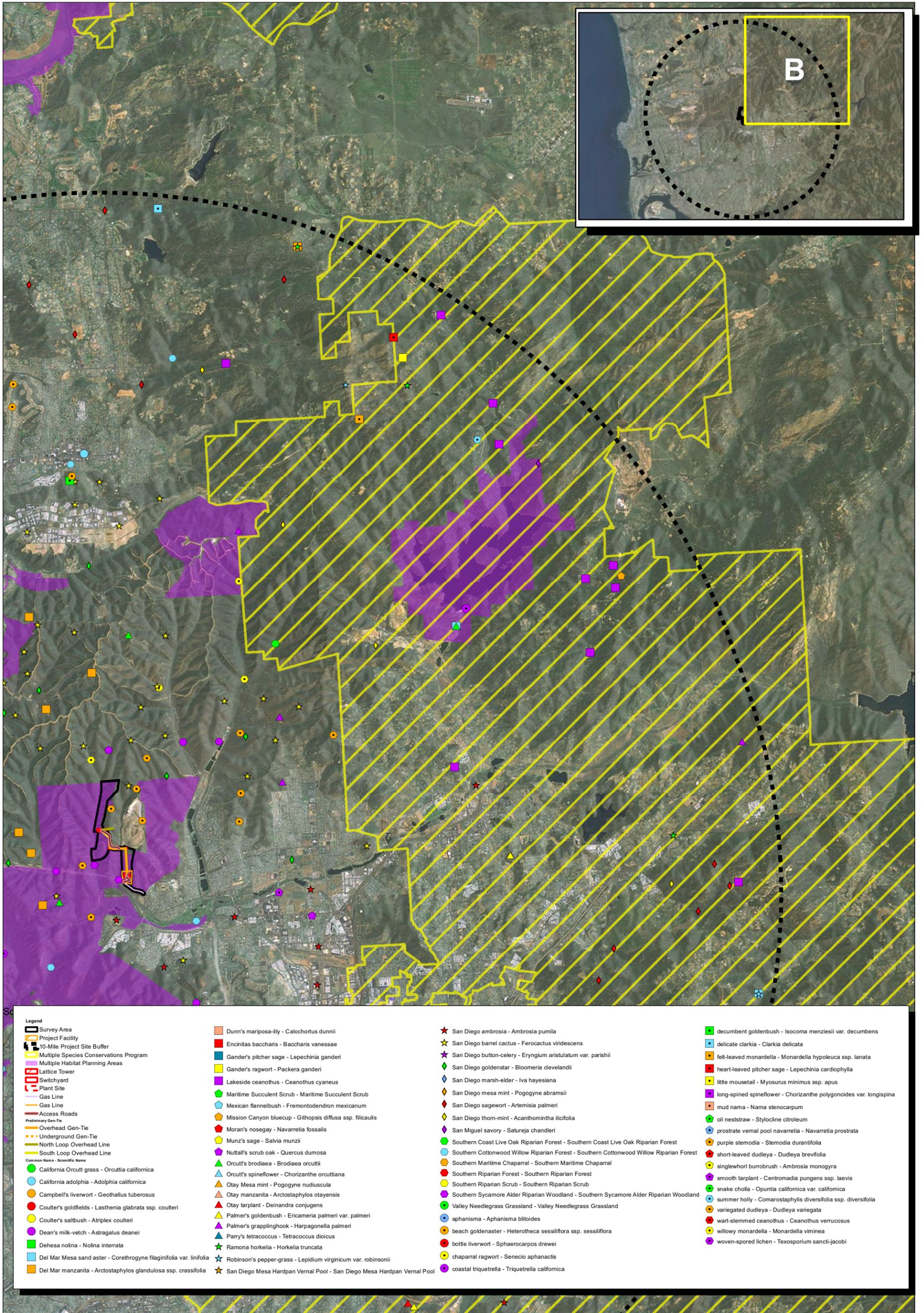
TETRA TECH EC, INC. • QUAIL BRUSH PROJECT  
DATA ADEQUACY RESPONSE



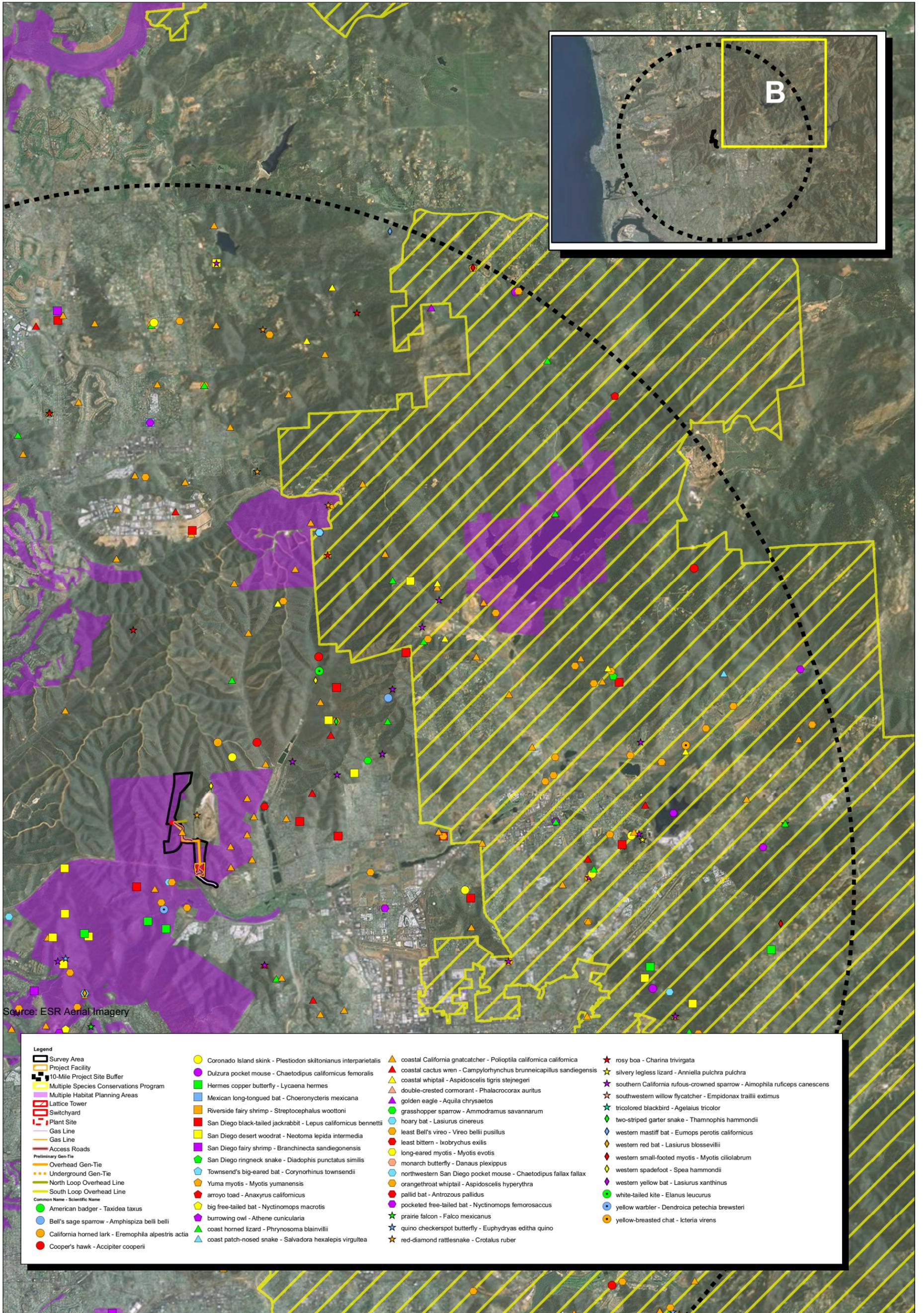
Source: ESRI Aerial Imagery, CNDDDB Data, September 2011.



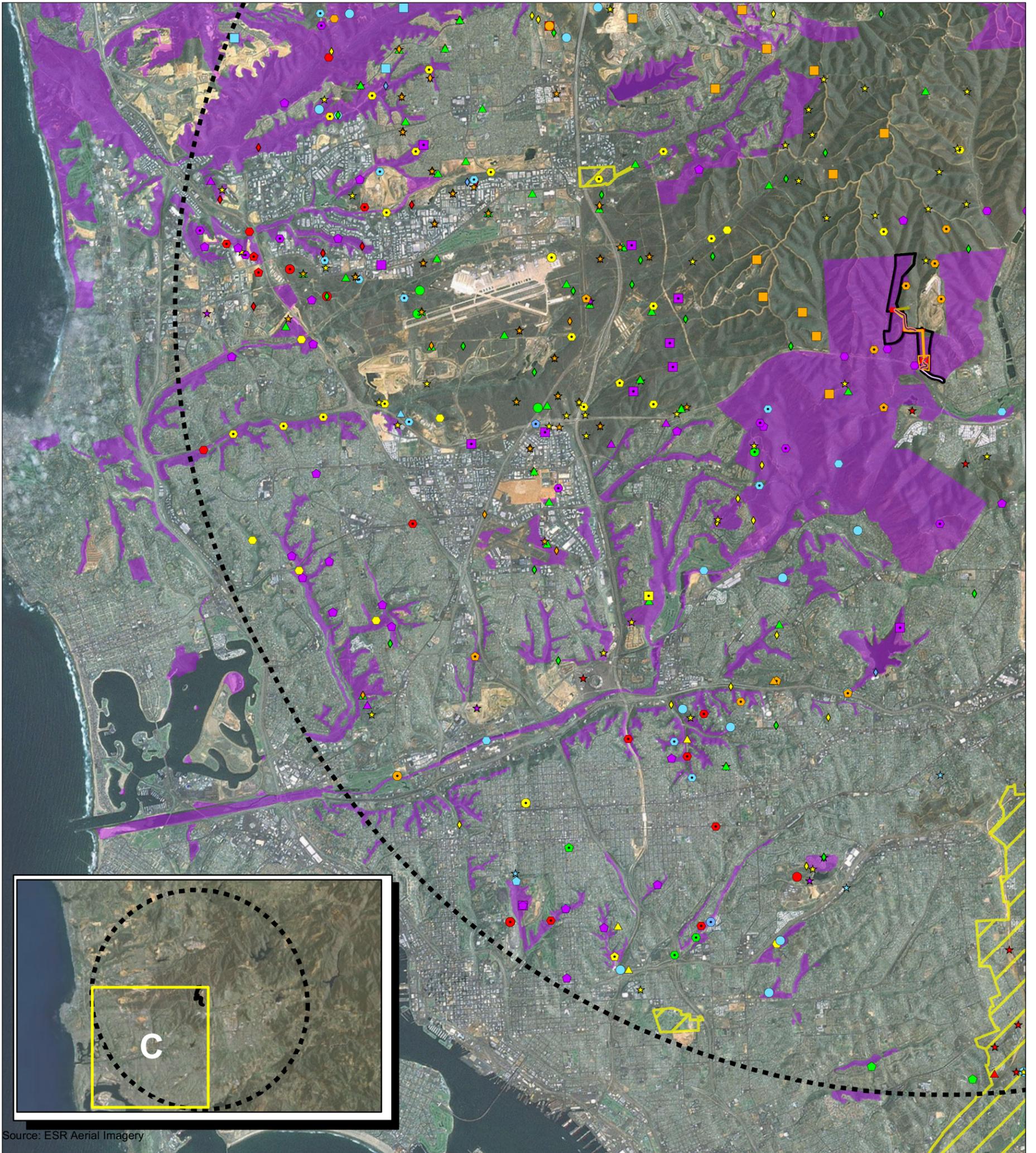
Source: ESRI Aerial Imagery, CNDDDB Data, September 2011.



Source: ESRI Aerial Imagery, CNDDDB Data, September 2011.



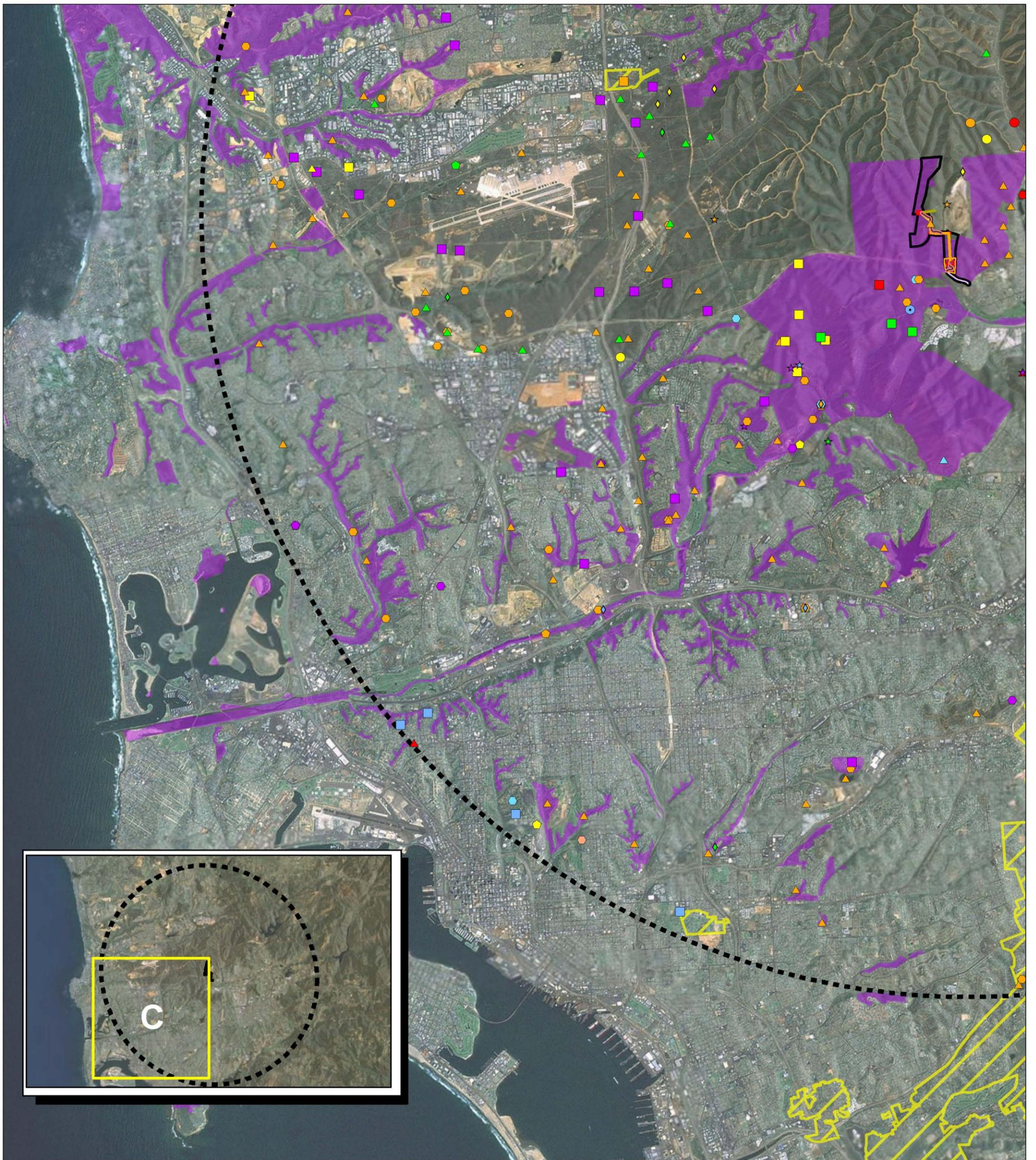
Source: ESRI Aerial Imagery, CNDDDB Data, September 2011.



Source: ESR Aerial Imagery

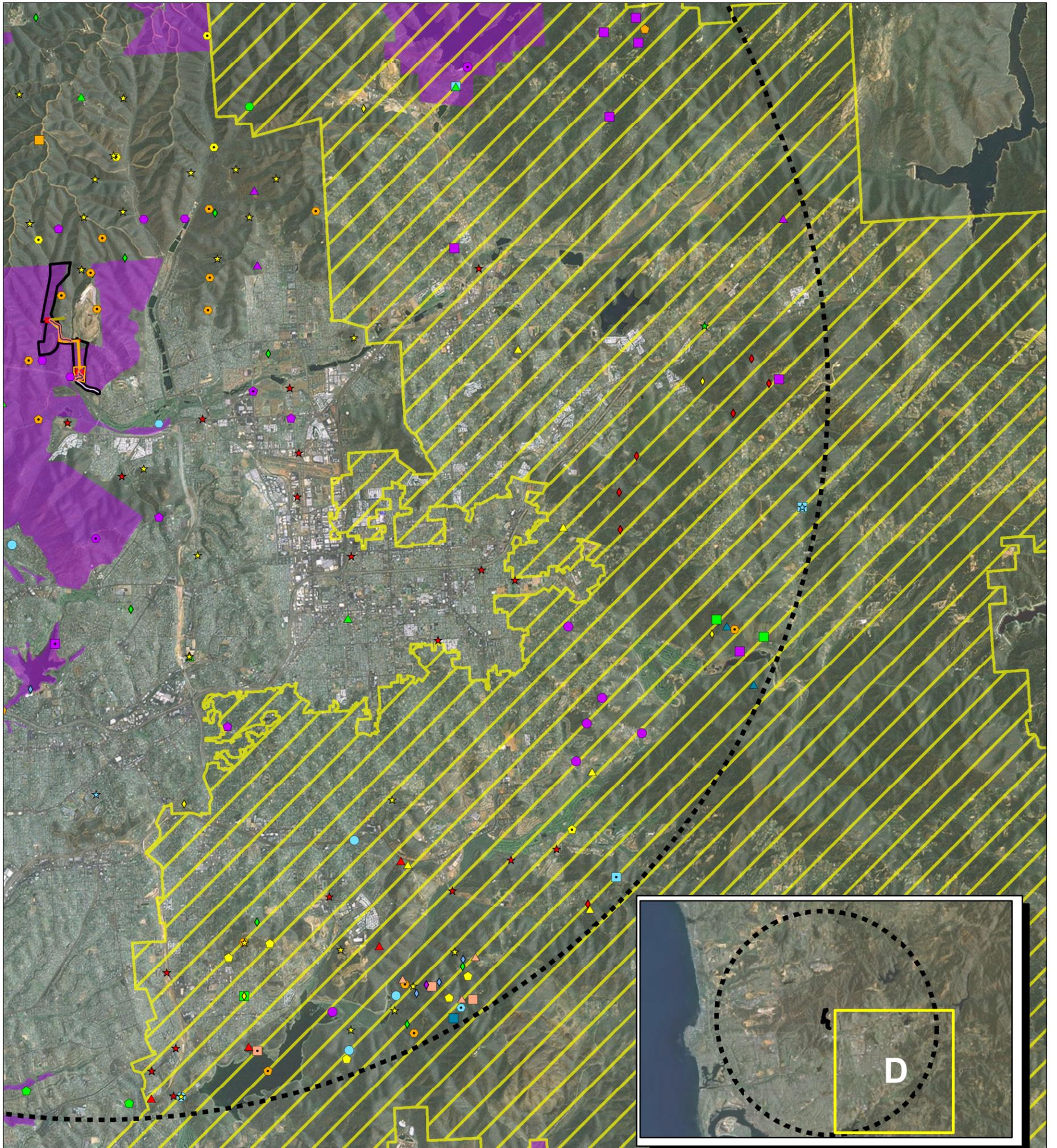
Legend			
	Survey Area		Dunn's mariposa-lily - <i>Calochortus dunnii</i>
	Project Facility		Encinitas baccharis - <i>Baccharis vanessae</i>
	10-Mile Project Site Buffer		Gander's pitcher sage - <i>Lepechinia ganderi</i>
	Multiple Species Conservations Program		Gander's ragwort - <i>Packeria ganderi</i>
	Multiple Habitat Planning Areas		Lakeside ceanothus - <i>Ceanothus cyaneus</i>
	Lattice Tower		Maritime Succulent Scrub - Maritime Succulent Scrub
	Switchyard		Mexican flannelbush - <i>Fremontodendron mexicanum</i>
	Plant Site		Mission Canyon bluecup - <i>Githopsis diffusa ssp. filicaulis</i>
	Gas Line		Moran's nosegay - <i>Navarretia fossalis</i>
	Gas Line		Munz's sage - <i>Salvia munzii</i>
	Access Roads		Nuttall's scrub oak - <i>Quercus dumosa</i>
	Preliminary Gen-Tie		Orcutt's brodiaea - <i>Brodiaea orcuttii</i>
	Overhead Gen-Tie		Orcutt's spinneflower - <i>Chorizanthe orcuttiana</i>
	Underground Gen-Tie		Oatay Mesa mint - <i>Pogogyne nudiscula</i>
	North Loop Overhead Line		Oatay manzanita - <i>Arctostaphylos otayensis</i>
	South Loop Overhead Line		Oatay tarplant - <i>Deinandra conjugens</i>
	Common Name - Scientific Name		Palmer's goldenbush - <i>Ericameria palmeri var. palmeri</i>
	California Orcutt grass - <i>Orcuttia californica</i>		Palmer's grapplinghook - <i>Harpagonella palmeri</i>
	California adolphia - <i>Adolphia californica</i>		Parry's tetracoccus - <i>Tetracoccus dioicus</i>
	Campbell's liverwort - <i>Geothallus tuberosus</i>		Ramona horkelia - <i>Horkelia truncata</i>
	Coulter's goldfields - <i>Lasthenia glabrata ssp. coulteri</i>		Robinson's pepper-grass - <i>Lepidium virginicum var. robinsonii</i>
	Coulter's saltbush - <i>Atriplex coulteri</i>		San Diego ambrosia - <i>Ambrosia pumila</i>
	Dean's milk-velch - <i>Astragalus deanei</i>		San Diego barrel cactus - <i>Ferocactus viridescens</i>
	Dehesa nolina - <i>Nolina interrata</i>		San Diego button-celery - <i>Eryngium aristulatum var. parishii</i>
	Del Mar Mesa sand aster - <i>Corethrogyne filaginifolia var. linifolia</i>		San Diego goldenstar - <i>Bloomeria clevelandii</i>
	Del Mar manzanita - <i>Arctostaphylos glandulosa ssp. crassifolia</i>		San Diego marsh-elder - <i>Iva hayesiana</i>
			San Diego mesa mint - <i>Pogogyne abramsii</i>
			San Diego sagewort - <i>Artemisia palmeri</i>
			San Diego thorn-mint - <i>Acanthomintha illicifolia</i>
			San Miguel savory - <i>Satureja chandleri</i>
			Southern Coast Live Oak Riparian Forest - Southern Coast Live Oak Riparian Forest
			Southern Cottonwood Willow Riparian Forest - Southern Cottonwood Willow Riparian Forest
			Southern Maritime Chaparral - Southern Maritime Chaparral
			Southern Riparian Forest - Southern Riparian Forest
			Southern Riparian Scrub - Southern Riparian Scrub
			Southern Sycamore Alder Riparian Woodland - Southern Sycamore Alder Riparian Woodland
			Valley Needlegrass Grassland - Valley Needlegrass Grassland
			aphanisma - <i>Aphanisma bitoides</i>
			beach goldenaster - <i>Heterotheca sessiliflora ssp. sessiliflora</i>
			bottle liverwort - <i>Sphaerocarpos drewei</i>
			chaparral ragwort - <i>Senecio aphanactis</i>
			coastal triquetrella - <i>Triquetrella californica</i>
			decumbent goldenbush - <i>Isocoma menziesii var. decumbens</i>
			delicate clarkia - <i>Clarkia delicata</i>
			felt-leaved monardella - <i>Monardella hypoleuca ssp. lanata</i>
			heart-leaved pitcher sage - <i>Lepechinia cardiophylla</i>
			little mousetail - <i>Myosurus minimus ssp. apus</i>
			long-spined spineflower - <i>Chorizanthe polygonoides var. longispina</i>
			mud nama - <i>Nama stenocarpum</i>
			oil neststraw - <i>Stylotriche citreolum</i>
			prostrate vernal pool navarretia - <i>Navarretia prostrata</i>
			purple stemodia - <i>Stemodia durantifolia</i>
			short-leaved dudleya - <i>Dudleya brevifolia</i>
			singlehorfi burrobrush - <i>Ambrosia monogyra</i>
			smooth tarplant - <i>Centromadia pungens ssp. laevis</i>
			snake cholla - <i>Opuntia californica var. californica</i>
			summer holly - <i>Comarostaphylos diversifolia ssp. diversifolia</i>
			variegated dudleya - <i>Dudleya variegata</i>
			wart-stemmed ceanothus - <i>Ceanothus verrucosus</i>
			willow monardella - <i>Monardella viminea</i>
			woven-spored lichen - <i>Toxosporium sancti-jacobi</i>

Source: ESRI Aerial Imagery, CNDDDB Data, September 2011.



Legend			
	Survey Area		Cooper's hawk - <i>Accipiter cooperii</i>
	Project Facility		Coronado Island skink - <i>Plestiodon skiltonianus interparietalis</i>
	10-Mile Project Site Buffer		Dulzura pocket mouse - <i>Chaetodipus californicus femoralis</i>
	Multiple Species Conservations Program		Hermes copper butterfly - <i>Lycaena hermes</i>
	Multiple Habitat Planning Areas		Mexican long-tongued bat - <i>Choeronycteris mexicana</i>
	Lattice Tower		Riverside fairy shrimp - <i>Streptocephalus woottoni</i>
	Switchyard		San Diego black-tailed jackrabbit - <i>Lepus californicus bennetti</i>
	Plant Site		San Diego desert woodrat - <i>Neotoma lepida intermedia</i>
	Gas Line		San Diego fairy shrimp - <i>Branchinecta sandiegonensis</i>
	Gas Line		San Diego ringneck snake - <i>Diadophis punctatus similis</i>
	Access Roads		Townsend's big-eared bat - <i>Corynorhinus townsendii</i>
	Preliminary Gen-Tie		Yuma myotis - <i>Myotis yumanensis</i>
	Overhead Gen-Tie		arroyo toad - <i>Anaxyrus californicus</i>
	Underground Gen-Tie		big free-tailed bat - <i>Nyctinomops macrootis</i>
	North Loop Overhead Line		burrowing owl - <i>Athene cunicularia</i>
	South Loop Overhead Line		coast horned lizard - <i>Phrynosoma blainvillii</i>
	American badger - <i>Taxidea taxus</i>		coast patch-nosed snake - <i>Salvadora hexalepis virgulata</i>
	Bell's sage sparrow - <i>Amphispiza belli belli</i>		coastal California gnatcatcher - <i>Poliotilia californica californica</i>
	California horned lark - <i>Eremophila alpestris acta</i>		coastal cactus wren - <i>Campylorhynchus brunneicapillus sandiegensis</i>
			coastal whiptail - <i>Aspidoscelis tigris stejnegeri</i>
			double-crested cormorant - <i>Phalacrocorax auritus</i>
			golden eagle - <i>Aquila chrysaetos</i>
			grasshopper sparrow - <i>Ammodramus savannarum</i>
			hoary bat - <i>Lasiurus cinereus</i>
			least Bell's vireo - <i>Vireo belli pusillus</i>
			least bittern - <i>Ixobrychus exilis</i>
			long-eared myotis - <i>Myotis evotis</i>
			monarch butterfly - <i>Danaus plexippus</i>
			northwestern San Diego pocket mouse - <i>Chaetodipus fallax fallax</i>
			orangethroat whiptail - <i>Aspidoscelis hyperythra</i>
			pallid bat - <i>Antrozous pallidus</i>
			pocketed free-tailed bat - <i>Nyctinomops femorosaccus</i>
			prairie falcon - <i>Falco mexicanus</i>
			quino checkerspot butterfly - <i>Euphydryas editha quino</i>
			red-diamond rattlesnake - <i>Crotalus ruber</i>
			rosy boa - <i>Charina trivirgata</i>
			silvery legless lizard - <i>Anniella pulchra pulchra</i>
			southern California rufous-crowned sparrow - <i>Aimophila ruficeps canescens</i>
			southwestern willow flycatcher - <i>Empidonax traillii extimus</i>
			tricolored blackbird - <i>Agelaius tricolor</i>
			two-striped garter snake - <i>Thamnophis hammondi</i>
			western mastiff bat - <i>Eumops perotis californicus</i>
			western red bat - <i>Lasiurus blossevillii</i>
			western small-footed myotis - <i>Myotis ciliolabrum</i>
			western spadefoot - <i>Spea hammondi</i>
			western yellow bat - <i>Lasiurus xanthinus</i>
			white-tailed kite - <i>Elanus leucurus</i>
			yellow warbler - <i>Dendroica petechia brewsteri</i>
			yellow-breasted chat - <i>Icteria virens</i>

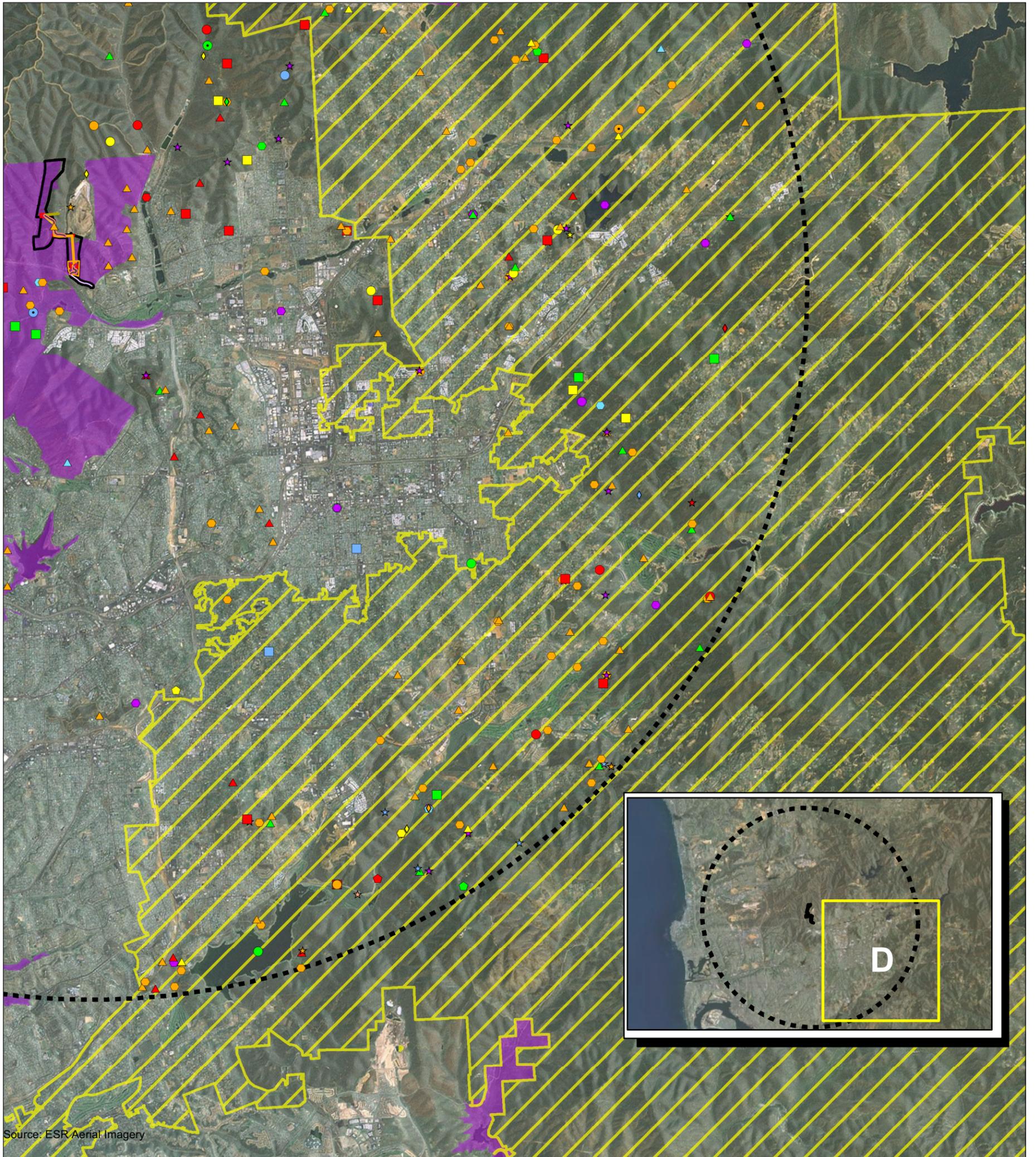
Source: ESRI Aerial Imagery, CNDDDB Data, September 2011.



Source: ESR Aerial Imagery

Legend			
	Survey Area		Encinitas baccharis - Baccharis vanessae
	Project Facility		Gander's pitcher sage - Lepechinia ganderi
	10-Mile Project Site Buffer		Gander's ragwort - Packera ganderi
	Multiple Species Conservations Program		Lakeside ceanothus - Ceanothus cyaneus
	Multiple Habitat Planning Areas		Maritime Succulent Scrub - Maritime Succulent Scrub
	Lattice Tower		Mexican flannelbush - Fremontodendron mexicanum
	Switchyard		Mission Canyon bluecup - Githopsis diffusa ssp. filicaulis
	Plant Site		Moran's nosegay - Navarretia fossalis
	Gas Line		Munz's sage - Salvia munzii
	Gas Line		Nuttall's scrub oak - Quercus dumosa
	Access Roads		Orcutt's brodiaea - Brodiaea orcuttii
	Overhead Gen-Tie		Orcutt's spinyflower - Chorizanthe orcuttiana
	Underground Gen-Tie		Otay Mesa mint - Pogogyne nudiscula
	North Loop Overhead Line		Otay manzanita - Arctostaphylos otayensis
	South Loop Overhead Line		Otay tarplant - Deinandra conjugens
	Common Name - Scientific Name		Palmer's goldenbush - Ericameria palmeri var. palmeri
	California Orcutt grass - Orcuttia californica		Palmer's grapplinghook - Harpagonella palmeri
	California adolphia - Adolphia californica		Parry's tetraococcus - Tetraococcus dioicus
	Campbell's liverwort - Geothallus tuberosus		Ramona horkelia - Horkelia truncata
	Coulter's liverwort - Lasthenia glabrata ssp. coulteri		Robinson's pepper-grass - Lepidium virginicum var. robinsonii
	Coulter's goldfields - Lasthenia glabrata ssp. coulteri		San Diego Mesa Hardpan Vernal Pool - San Diego Mesa Hardpan Vernal Pool
	Coulter's saltbush - Atriplex coulteri		San Diego ambrosia - Ambrosia pumila
	Dean's milk-vetch - Astragalus deanei		San Diego barrel cactus - Ferocactus viridescens
	Dehesa nolina - Nolina interrata		San Diego button-celery - Eryngium aristulatum var. parishii
	Del Mar Mesa sand aster - Corethrogyne filaginifolia var. linifolia		San Diego goldenstar - Bloomeria clevelandii
	Del Mar manzanita - Arctostaphylos glandulosa ssp. crassifolia		San Diego marsh-elder - Iva hayesiana
	Dunn's mariposa-lily - Calochortus dunnii		San Diego mesa mint - Pogogyne abramsii
			San Diego sagewort - Artemisia palmeri
			San Diego thorn-mint - Acanthomintha ilicifolia
			San Miguel savory - Satureja chandleri
			Southern Coast Live Oak Riparian Forest - Southern Coast Live Oak Riparian Forest
			Southern Cottonwood Willow Riparian Forest - Southern Cottonwood Willow Riparian Forest
			Southern Maritime Chaparral - Southern Maritime Chaparral
			Southern Riparian Forest - Southern Riparian Forest
			Southern Riparian Scrub - Southern Riparian Scrub
			Southern Sycamore Alder Riparian Woodland - Southern Sycamore Alder Riparian Woodland
			Valley Needlegrass Grassland - Valley Needlegrass Grassland
			beach goldenaster - Heterotheca sessiliflora ssp. sessiliflora
			bottle liverwort - Sphaerocarpos drewei
			chaparral ragwort - Senecio aphanactis
			coastal triquetrella - Triquetrella californica
			decumbent goldenbush - Isocoma menziesii var. decumbens
			delicate clarkia - Clarkia delicata
			felt-leaved monardella - Monardella hypoleuca ssp. lanata
			heart-leaved pitcher sage - Lepechinia cardiophylla
			little mouse-tail - Myosurus minimus ssp. apus
			long-spined spineflower - Chorizanthe polygonoides var. longispina
			mud nama - Nama stenocarpum
			oil neststraw - Stylocline citroleum
			prostrate vernal pool navarretia - Navarretia prostrata
			purple stemodia - Stemodia durantifolia
			short-leaved dudleya - Dudleya brevifolia
			singlewhorl burrobush - Ambrosia monogyra
			smooth tarplant - Centromadia pungens ssp. laevis
			snake cholla - Opuntia californica var. californica
			summer holly - Comarostaphylos diversifolia ssp. diversifolia
			variegated dudleya - Dudleya variegata
			wart-stemmed ceanothus - Ceanothus verrucosus
			willow monardella - Monardella viminea
			woven-spored lichen - Texusporium sancti-jacobi

Source: ESRI Aerial Imagery, CNDDDB Data, September 2011.



Source: ESR Aerial Imagery

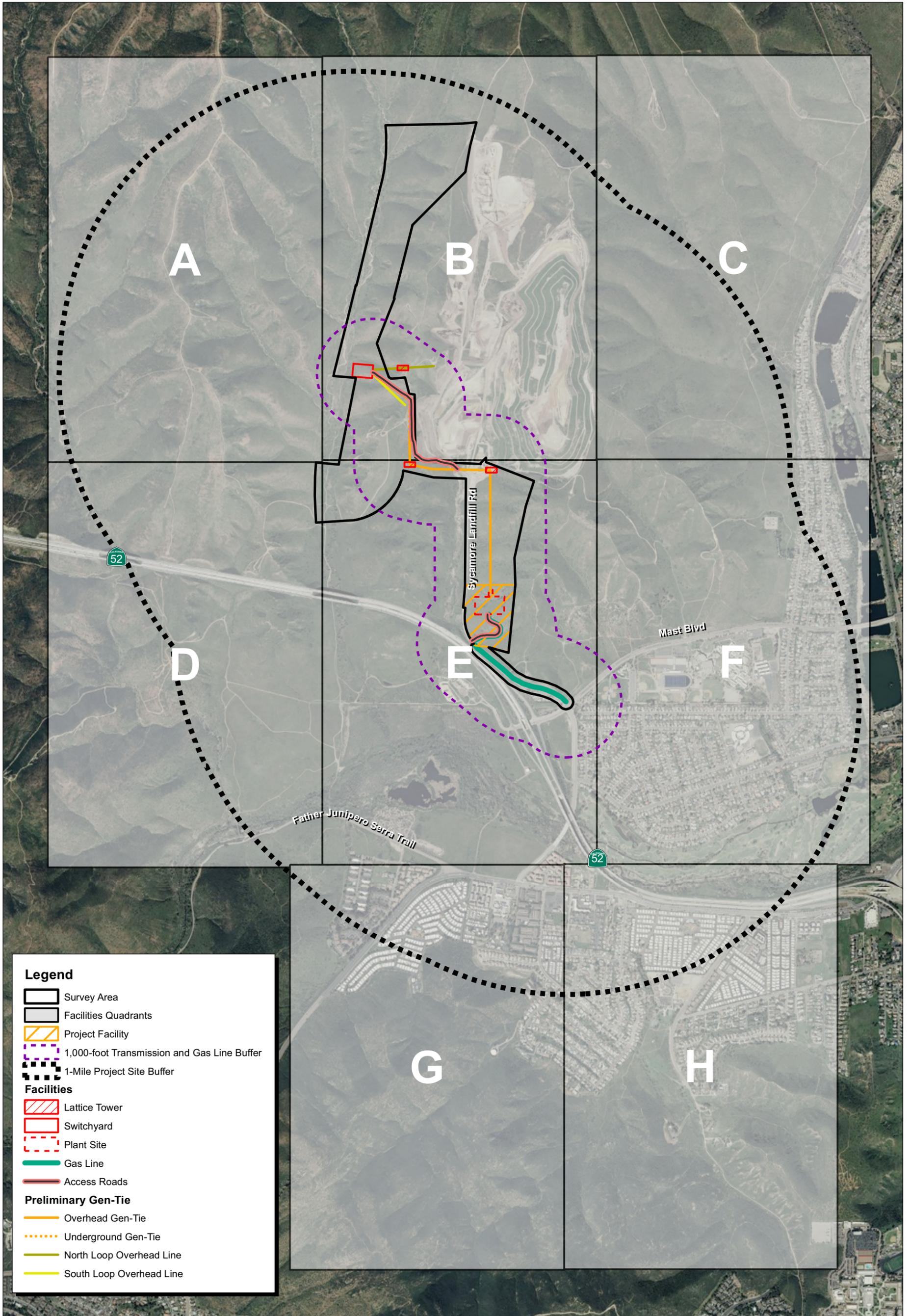
Legend			
	Survey Area		Cooper's hawk - <i>Accipiter cooperii</i>
	Project Facility		Coronado Island skink - <i>Plestiodon skiltonianus interparietalis</i>
	10-Mile Project Site Buffer		Dulzura pocket mouse - <i>Chaetodipus californicus femoralis</i>
	Multiple Species Conservations Program		Hermes copper butterfly - <i>Lycaena hermes</i>
	Multiple Habitat Planning Areas		Mexican long-tongued bat - <i>Choeronycteris mexicana</i>
	Lattice Tower		Riverside fairy shrimp - <i>Streptocephalus woottoni</i>
	Switchyard		San Diego black-tailed jackrabbit - <i>Lepus californicus bennetti</i>
	Plant Site		San Diego desert woodrat - <i>Neotoma lepida intermedia</i>
	Gas Line		San Diego fairy shrimp - <i>Branchinecta sandiegonensis</i>
	Gas Line		San Diego ringneck snake - <i>Diadophis punctatus similis</i>
	Access Roads		Townsend's big-eared bat - <i>Corynorhinus townsendii</i>
	Preliminary Gen-Tie		Yuma myotis - <i>Myotis yumanensis</i>
	Overhead Gen-Tie		arroyo toad - <i>Anaxyrus californicus</i>
	Underground Gen-Tie		big free-tailed bat - <i>Nyctinomops macrotis</i>
	North Loop Overhead Line		coast horned lizard - <i>Phrynosoma blainvillii</i>
	South Loop Overhead Line		coast patch-nosed snake - <i>Salvadora hexalepis virgulata</i>
	American badger - <i>Taxidea taxus</i>		coastal California gnatcatcher - <i>Poliotilia californica californica</i>
	Bell's sage sparrow - <i>Amphispiza belli belli</i>		coastal cactus wren - <i>Campylorhynchus brunneicapillus sandiegensis</i>
	California horned lark - <i>Eremophila alpestris actia</i>		coastal whiptail - <i>Aspidoscelis tigris stejnegeri</i>
			double-crested cormorant - <i>Phalacrocorax auritus</i>
			golden eagle - <i>Aquila chrysaetos</i>
			grasshopper sparrow - <i>Ammodramus savannarum</i>
			hoary bat - <i>Lasiurus cinereus</i>
			least Bell's vireo - <i>Vireo bellii pusillus</i>
			least bittern - <i>Ixobrychus exilis</i>
			long-eared myotis - <i>Myotis evotis</i>
			monarch butterfly - <i>Danaus plexippus</i>
			northwestern San Diego pocket mouse - <i>Chaetodipus fallax fallax</i>
			orangethroat whiptail - <i>Aspidoscelis hyperythra</i>
			pallid bat - <i>Antrozous pallidus</i>
			pocketed free-tailed bat - <i>Nyctinomops femorosaccus</i>
			prairie falcon - <i>Falco mexicanus</i>
			quino checkerspot butterfly - <i>Euphydryas editha quino</i>
			red-diamond rattlesnake - <i>Crotalus ruber</i>
			rosy boa - <i>Charina trivirgata</i>
			silvery legless lizard - <i>Anniella pulchra pulchra</i>
			southern California rufous-crowned sparrow - <i>Aimophila ruficeps canescens</i>
			southwestern willow flycatcher - <i>Empidonax traillii extimus</i>
			tricolored blackbird - <i>Agelaius tricolor</i>
			two-striped garter snake - <i>Thamnophis hammondi</i>
			western mastiff bat - <i>Eumops perotis californicus</i>
			western red bat - <i>Lasiurus blossevillii</i>
			western small-footed myotis - <i>Myotis ciliolabrum</i>
			western spadefoot - <i>Spea hammondi</i>
			western yellow bat - <i>Lasiurus xanthinus</i>
			white-tailed kite - <i>Elanus leucurus</i>
			yellow warbler - <i>Dendroica petechia brewsteri</i>
			yellow-breasted chat - <i>Icteria virens</i>

Source: ESRI Aerial Imagery, CNDDDB Data, September 2011.



## Sensitive Biological Resources Map with CNDDDB Wildlife 10-Miles around Project Site, Quadrant D

Exhibit 2d-2



Source: ESRI Aerial Imagery. Tetra Tech EC, Inc., 2011.



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### Exhibit 3 1-Mile Buffer Facilities Index Map

TETRA TECH EC, INC. • QUAIL BRUSH PROJECT  
DATA ADEQUACY RESPONSE



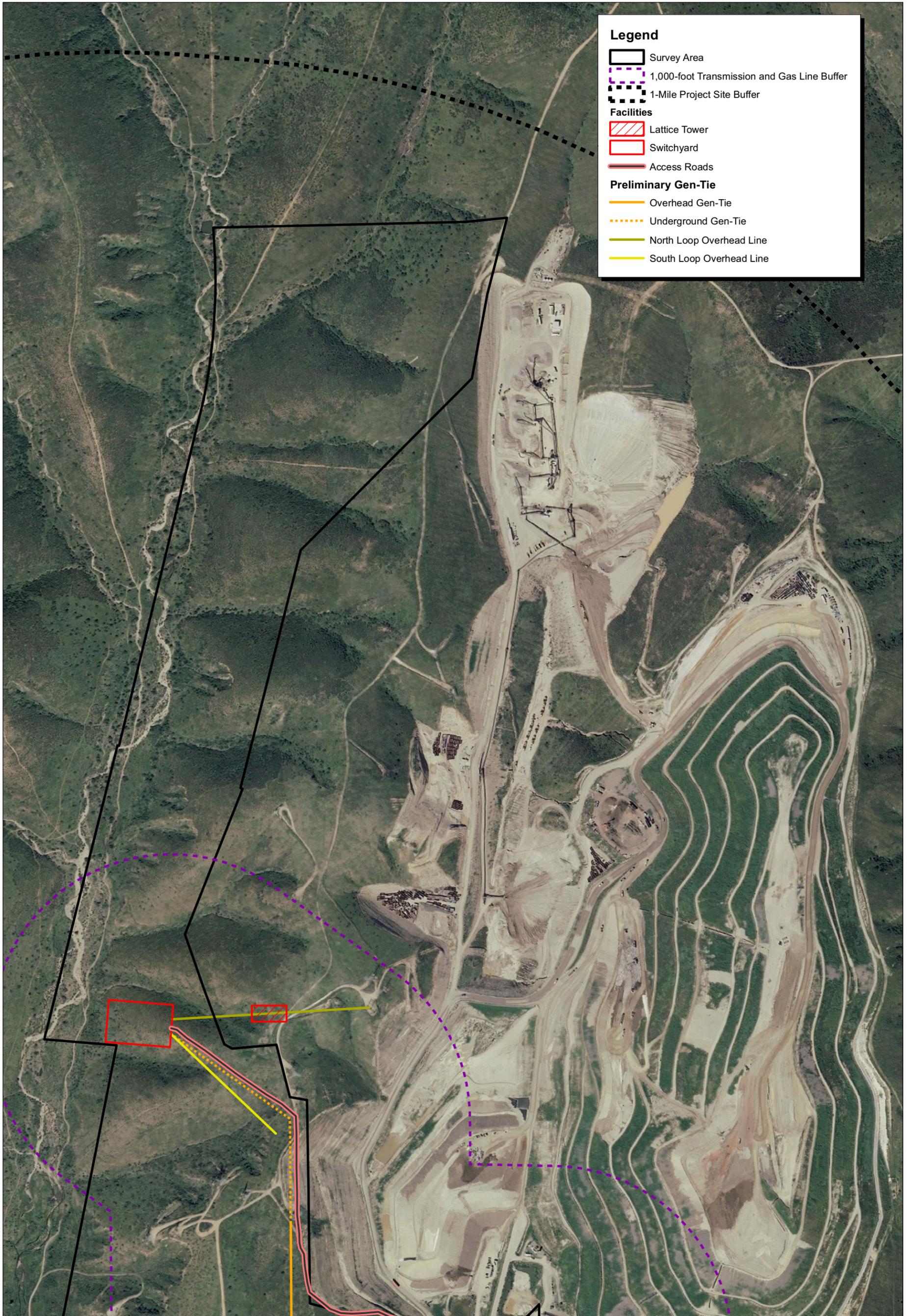
**Legend**

-  1,000-foot Transmission and Gas Line Buffer
-  1-Mile Project Site Buffer

Source: ESRI Aerial Imagery. No project related data in this extent.



**Exhibit 3**  
**1-Mile Buffer Facilities Map**  
**Quadrant A**



Source: ESRI Aerial Imagery, Tetra Tech EC, Inc., 2011.



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### Exhibit 3 1-Mile Buffer Facilities Map Quadrant B

TETRA TECH EC, INC. • QUAIL BRUSH PROJECT  
DATA ADEQUACY RESPONSE



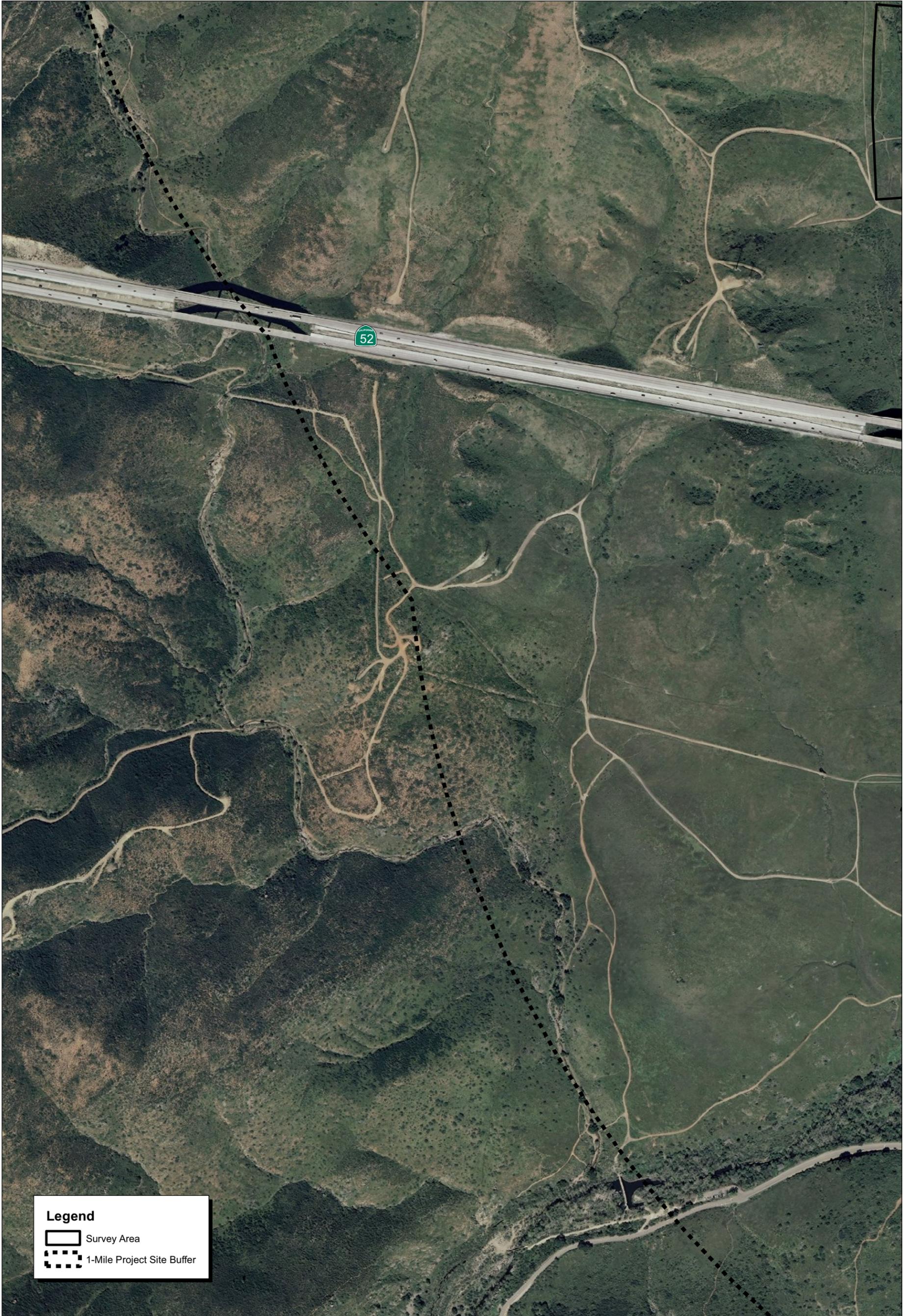
Source: ESRI Aerial Imagery, No project related data in this extent.



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Exhibit 3  
1-Mile Buffer Facilities Map  
Quadrant C

TETRA TECH EC, INC. • QUAIL BRUSH PROJECT  
DATA ADEQUACY RESPONSE



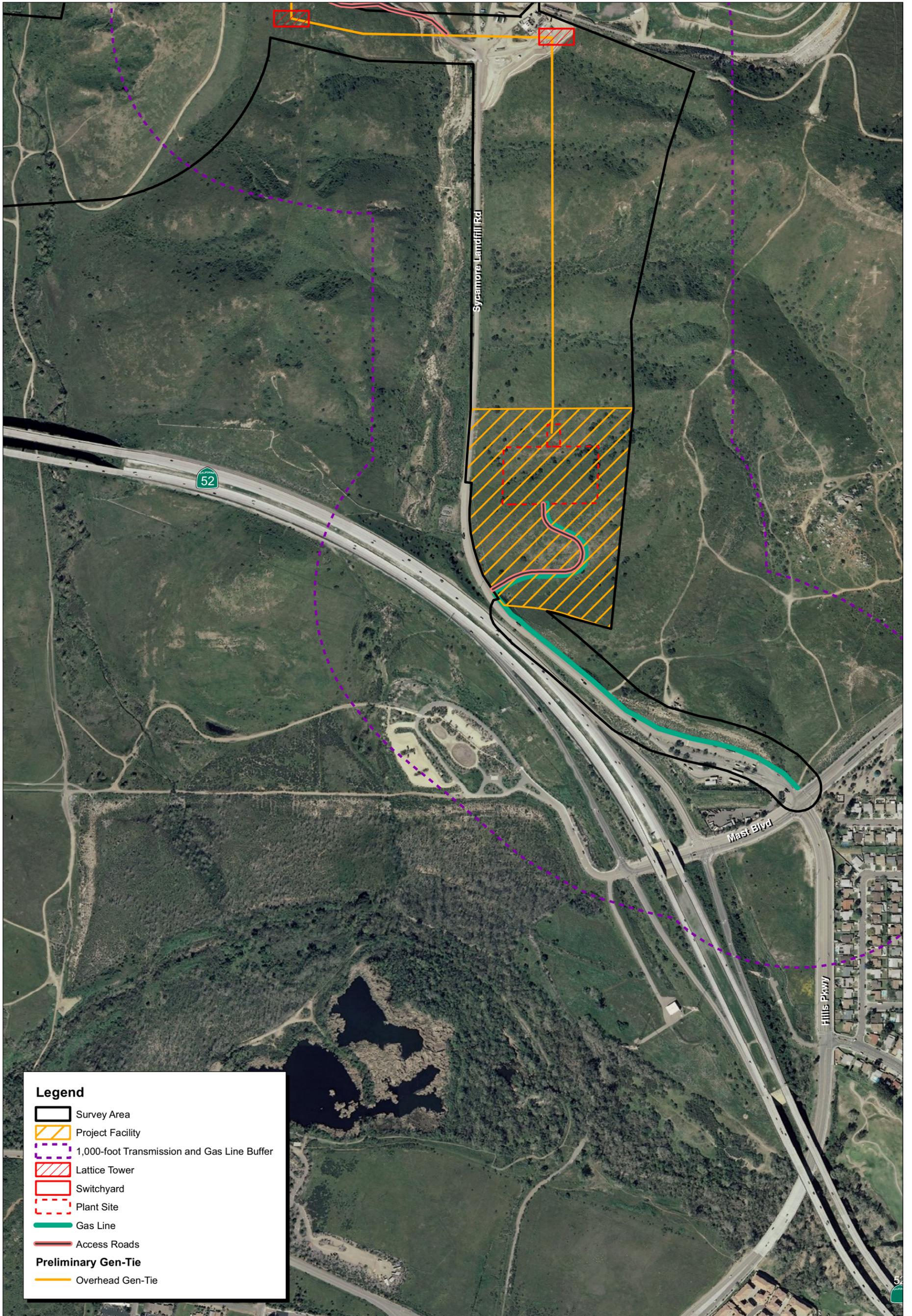
Source: ESRI Aerial Imagery, No project related data in this extent.



17510009 • 09/2011 | 3\_facilities\_1mile\_buffer\_d.mxd

Exhibit 3  
1-Mile Buffer Facilities Map  
Quadrant D

TETRA TECH EC, INC. • QUAIL BRUSH PROJECT  
DATA ADEQUACY RESPONSE



Source: ESRI Aerial Imagery, Tetra Tech EC, Inc., 2011.



17510009 • 09/2011 | 3\_facilities\_1mile\_buffer\_e.mxd



Exhibit 3  
1-Mile Buffer Facilities Map  
Quadrant E

TETRA TECH EC, INC. • QUAIL BRUSH PROJECT  
DATA ADEQUACY RESPONSE



**Legend**

-  1,000-foot Transmission and Gas Line Buffer
-  1-Mile Project Site Buffer

Source: ESRI Aerial Imagery, No project related data in this extent.



**Exhibit 3**  
**1-Mile Buffer Facilities Map**  
**Quadrant F**



**Legend**  
 [Dashed Line] 1-Mile Project Site Buffer

Source: ESRI Aerial Imagery, No project related data in this extent.



**Exhibit 3**  
**1-Mile Buffer Facilities Map**  
**Quadrant G**

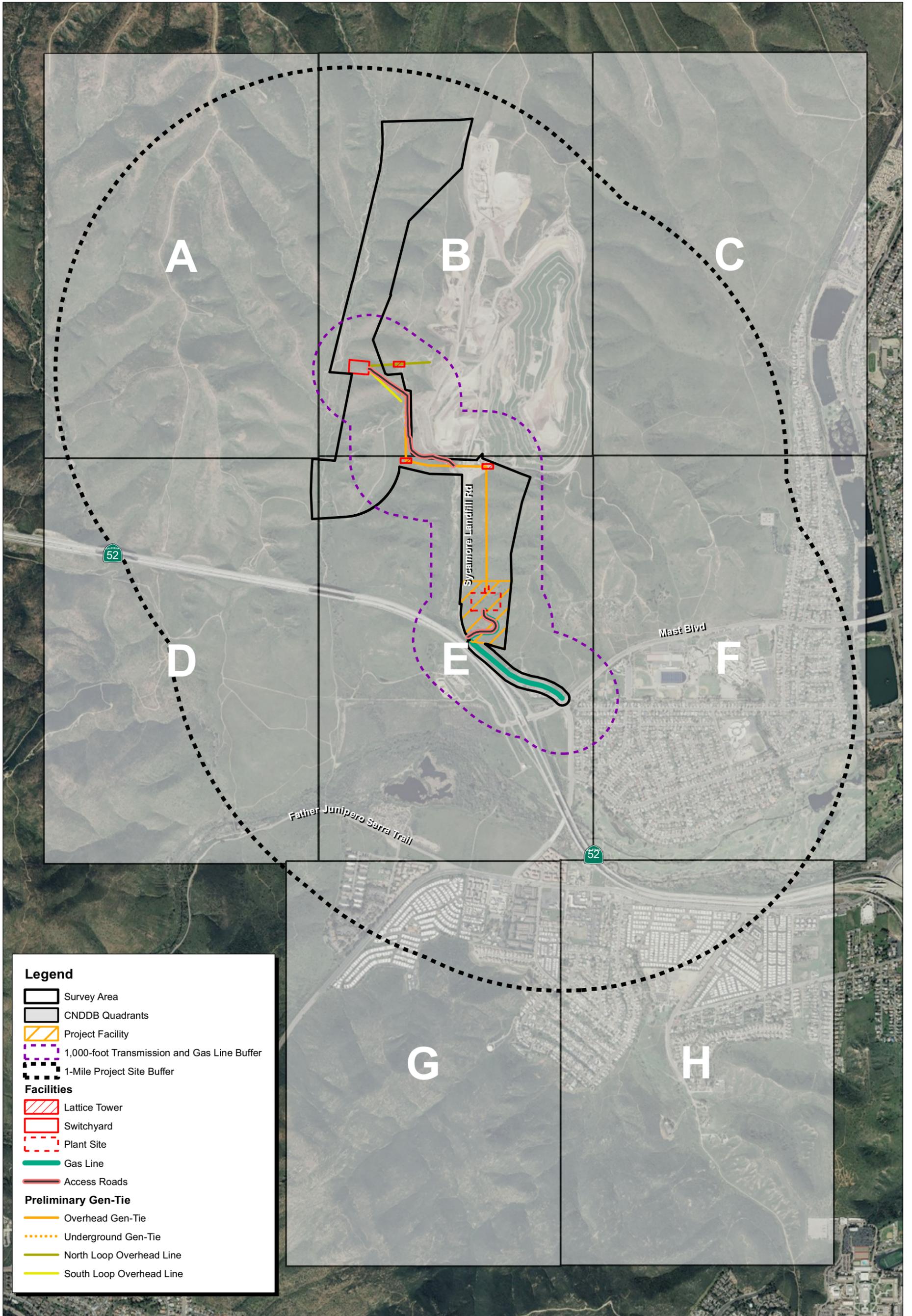


**Legend**  
 [Dashed Line Symbol] 1-Mile Project Site Buffer

Source: ESRI Aerial Imagery, No project related data in this extent.



**Exhibit 3**  
**1-Mile Buffer Facilities Map**  
**Quadrant H**



Source: ESRI Aerial Imagery. Tetra Tech EC, Inc., 2011.



17510009 • 09/2011 | 4\_cnddb\_1mile\_buffer.mxd

## Exhibit 4 CNDDB 1-Mile Project Site Buffer Index Map

TETRA TECH EC, INC. • QUAIL BRUSH PROJECT  
DATA ADEQUACY RESPONSE



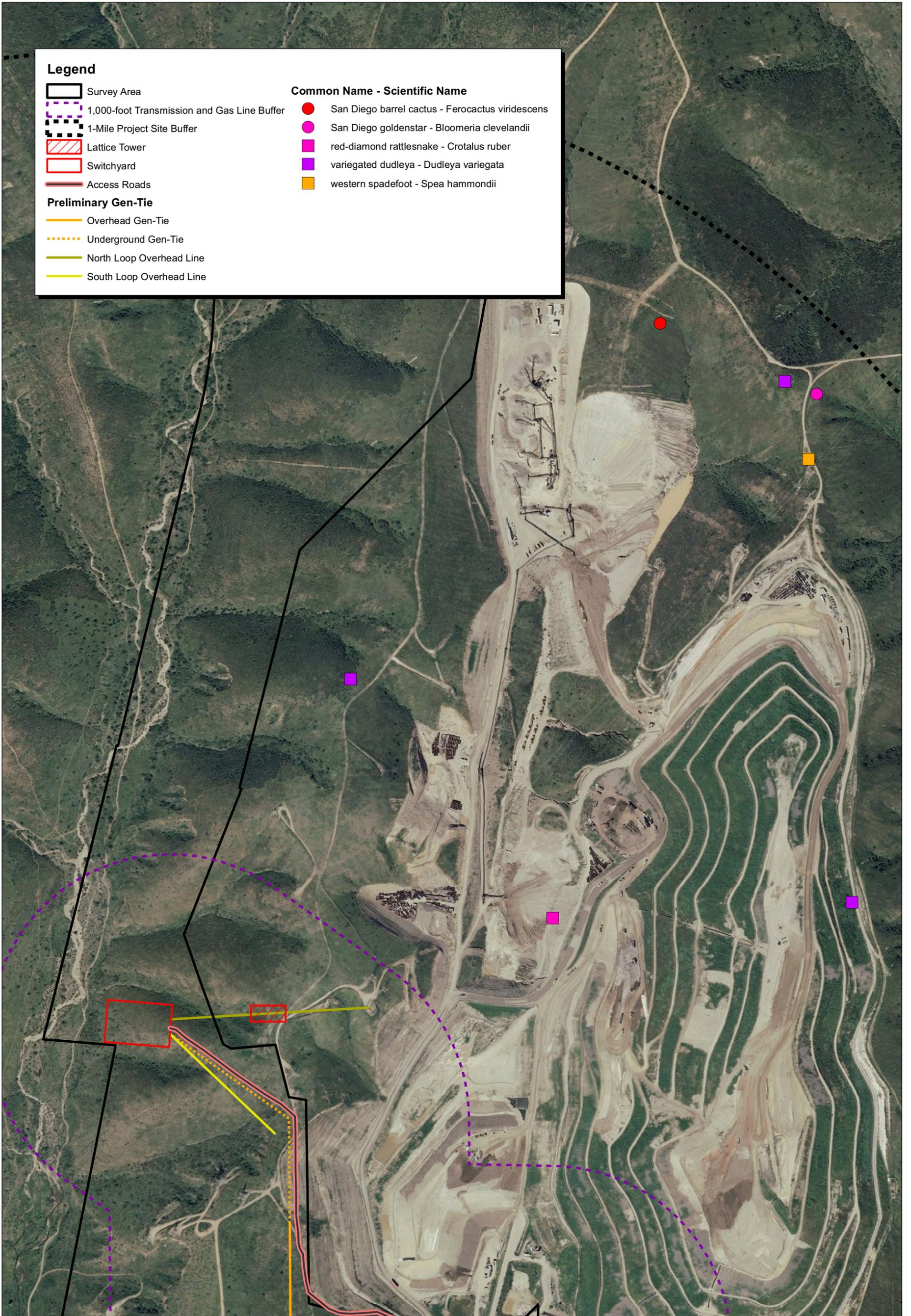
**Legend**

-  1,000-foot Transmission and Gas Line Buffer
-  1-Mile Project Site Buffer

Source: ESRI Aerial Imagery. No CNDDDB Data Recorded in this extent.



**Exhibit 4**  
**CNDDDB 1-Mile Project Site Buffer Map**  
**Quadrant A**



**Legend**

- Survey Area
- 1,000-foot Transmission and Gas Line Buffer
- 1-Mile Project Site Buffer
- Lattice Tower
- Switchyard
- Access Roads

**Common Name - Scientific Name**

- San Diego barrel cactus - *Ferocactus viridescens*
- San Diego goldenstar - *Bloomeria clevelandii*
- red-diamond rattlesnake - *Crotalus ruber*
- variegated dudleya - *Dudleya variegata*
- western spadefoot - *Spea hammondi*

**Preliminary Gen-Tie**

- Overhead Gen-Tie
- Underground Gen-Tie
- North Loop Overhead Line
- South Loop Overhead Line

Source: ESRI Aerial Imagery. Tetra Tech EC Inc., 2011. CNDDDB Data September, 2011.



**Exhibit 4  
CNDDDB 1-Mile Project Site Buffer Map  
Quadrant B**

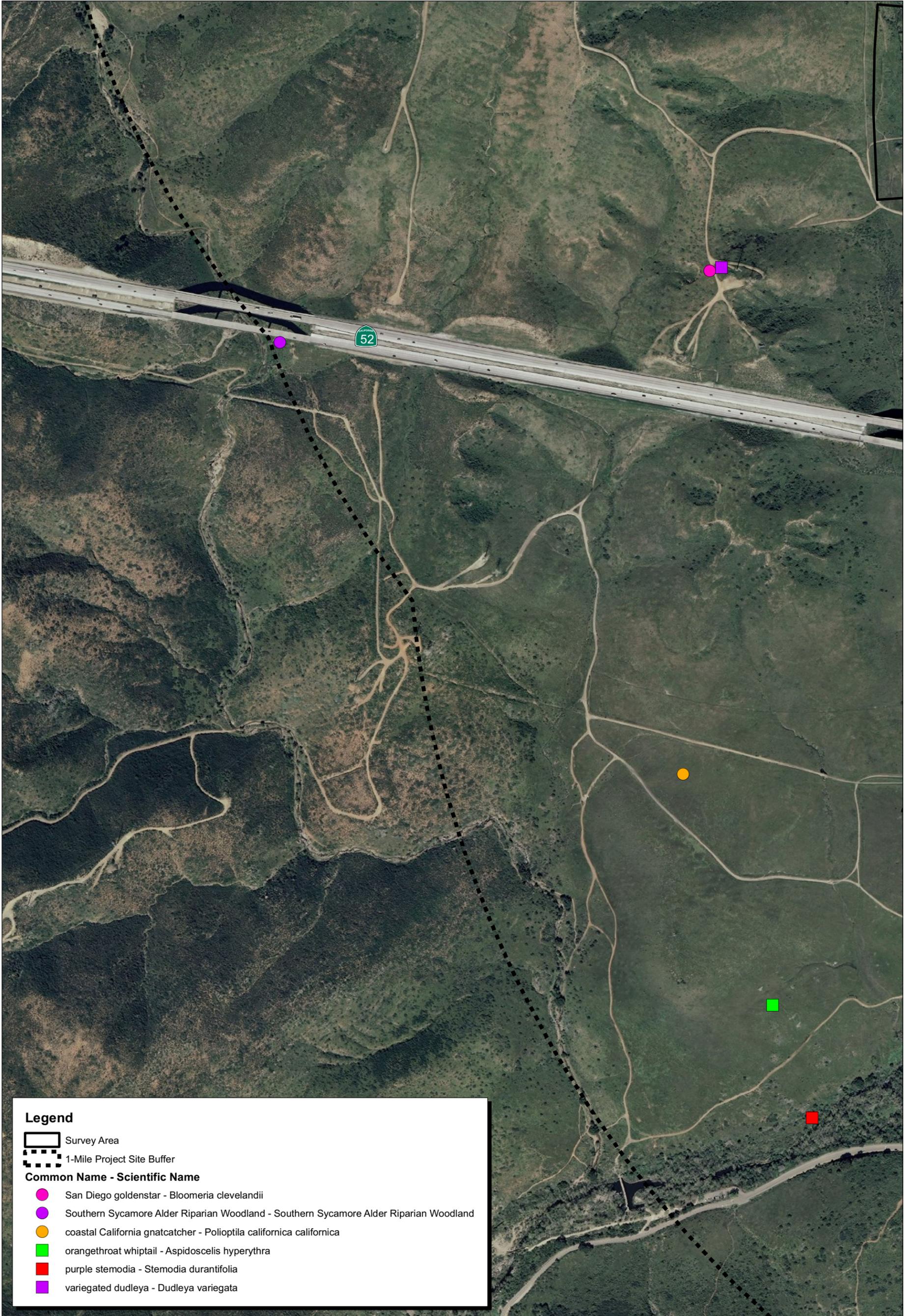


**Legend**  
 [Dashed Line] 1-Mile Project Site Buffer

Source: ESRI Aerial Imagery. No CNDDDB Data Recorded in this extent.



**Exhibit 4**  
**CNDDDB 1-Mile Project Site Buffer Map**  
**Quadrant C**



**Legend**

-  Survey Area
-  1-Mile Project Site Buffer

**Common Name - Scientific Name**

-  San Diego goldenstar - *Bloomeria clevelandii*
-  Southern Sycamore Alder Riparian Woodland - Southern Sycamore Alder Riparian Woodland
-  coastal California gnatcatcher - *Poliopitila californica californica*
-  orangethroat whiptail - *Aspidoscelis hyperythra*
-  purple stemodia - *Stemodia durantifolia*
-  variegated dudleya - *Dudleya variegata*

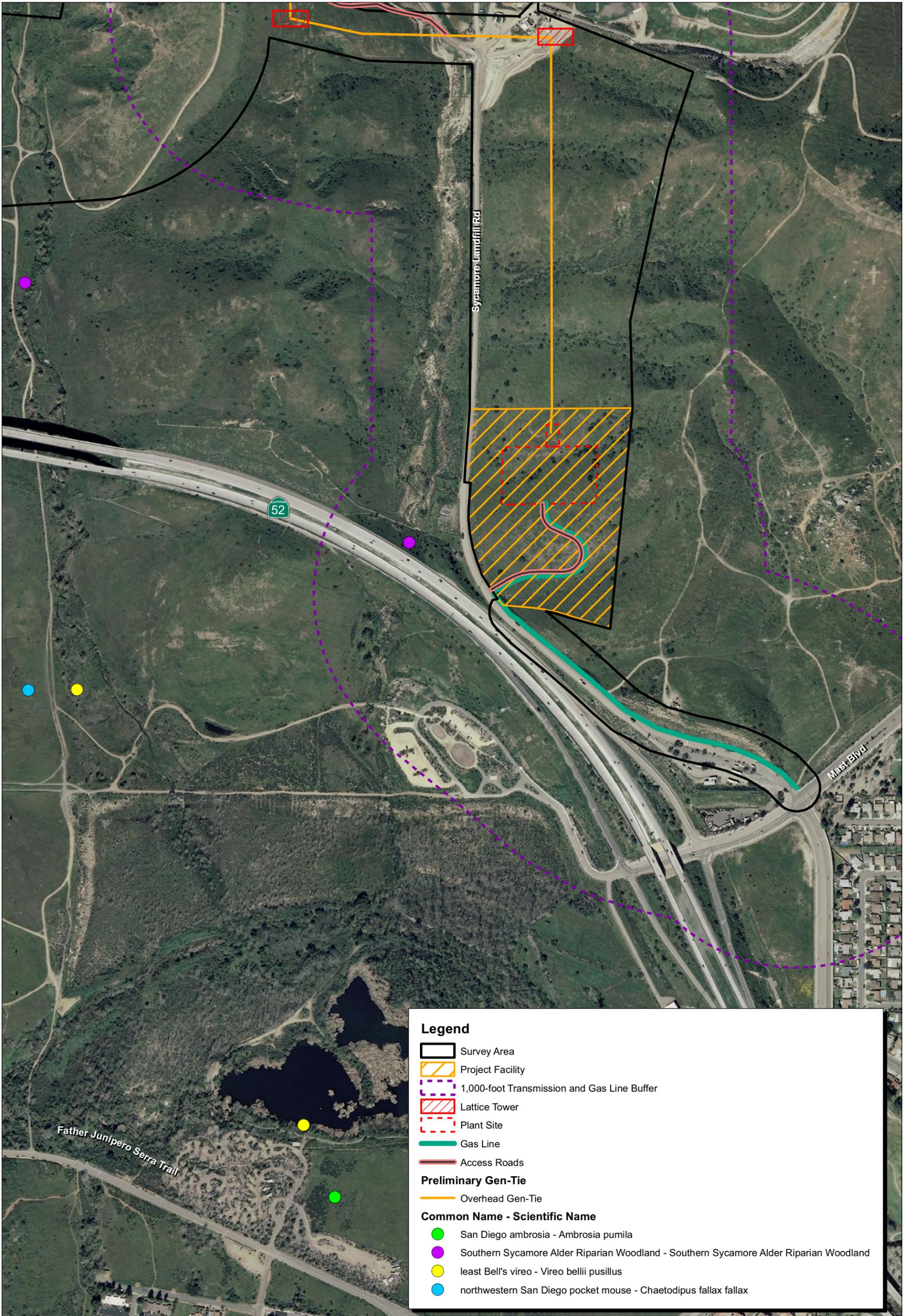
Source: ESRI Aerial Imagery, CNDDDB Data September, 2011.



17510009 • 09/2011 | 4\_cnddb\_1mile\_buffer\_d.mxd



**Exhibit 4  
CNDDDB 1-Mile Project Site Buffer Map  
Quadrant D**



Source: ESRI Aerial Imagery. Tetra Tech EC, Inc., 2011. CNDDDB Data September, 2011.



17510009 • 09/2011 | 4\_cnddb\_1mile\_buffer\_e.mxd

## Exhibit 4 CNDDDB 1-Mile Project Site Buffer Map Quadrant E

TETRA TECH EC, INC. • QUAIL BRUSH PROJECT  
DATA ADEQUACY RESPONSE



**Legend**

- - - 1,000-foot Transmission and Gas Line Buffer
- 1-Mile Project Site Buffer

**Common Name - Scientific Name**

- coastal California gnatcatcher - *Poliptila californica californica*

Source: ESRI Aerial Imagery. CNDDDB Data September, 2011.



**Exhibit 4**  
**CNDDDB 1-Mile Project Site Buffer Map**  
**Quadrant F**



**Legend**

 1-Mile Project Site Buffer  
**Common Name- Scientific Name**  
 San Diego ambrosia - *Ambrosia pumila*  
 least Bell's vireo - *Vireo bellii pusillus*

Source: ESRI Aerial Imagery, No CNDDDB Data Recorded in this extent.



Exhibit 4  
 CNDDDB 1-Mile Project Site Buffer Map  
 Quadrant G

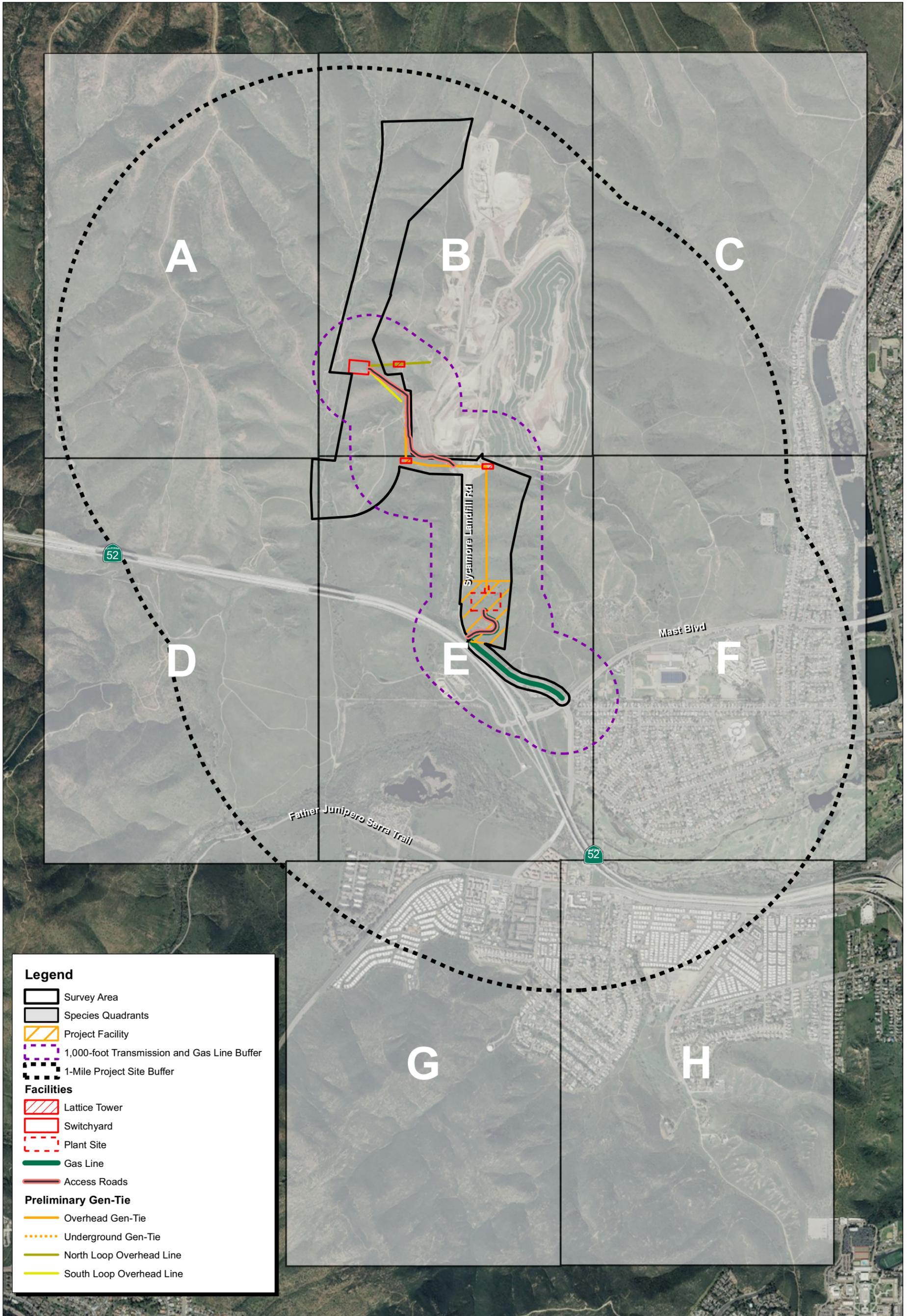


**Legend**  
 [Dashed Line] 1-Mile Project Site Buffer

Source: ESRI Aerial Imagery, No CNDDDB Data Recorded in this extent.



**Exhibit 4**  
**CNDDDB 1-Mile Project Site Buffer Map**  
**Quadrant H**



Source: ESRI Aerial Imagery. Tetra Tech EC, Inc., 2011.



## Exhibit 5 Species Observed 1-Mile Project Site Buffer Index Map



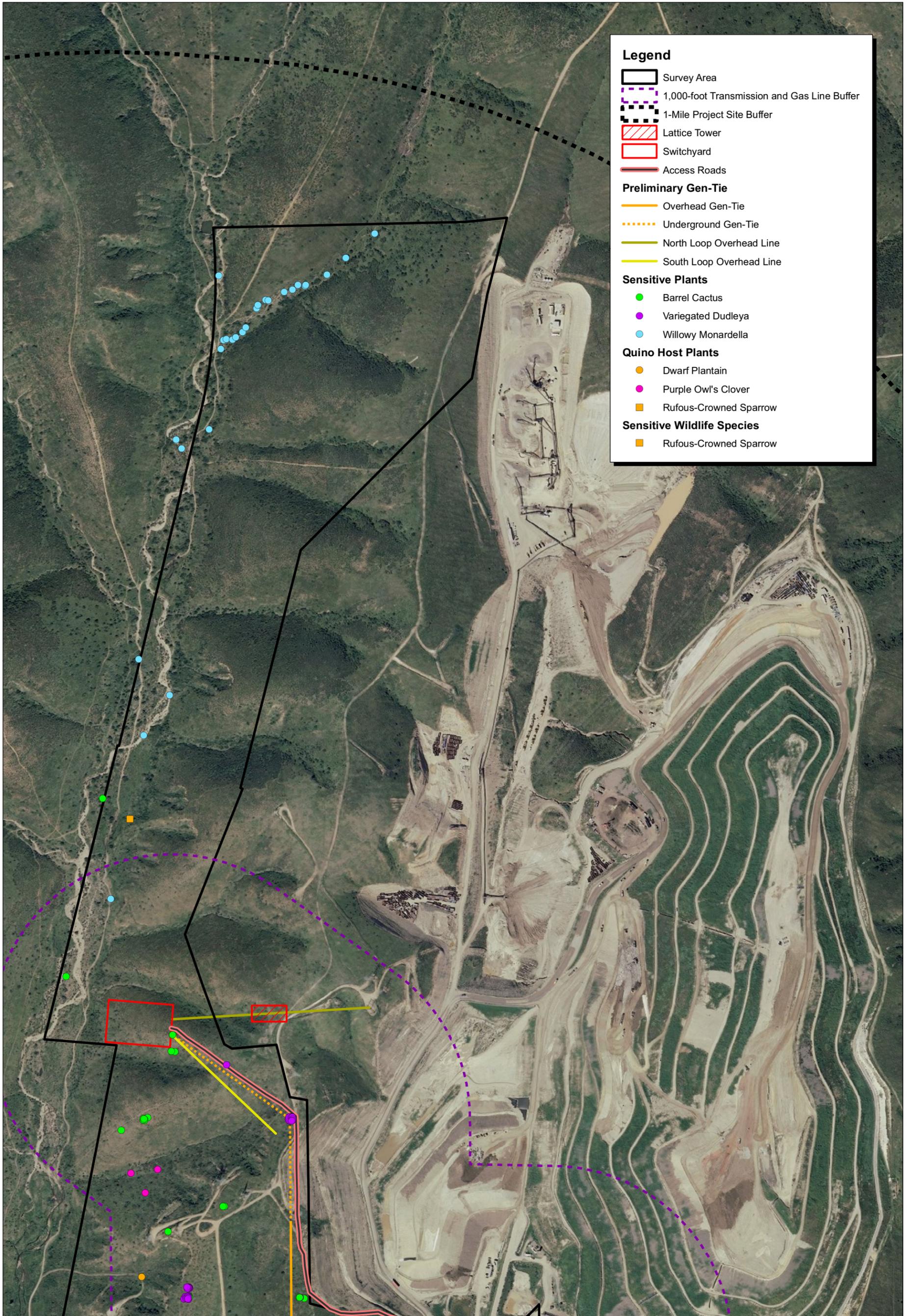
**Legend**

-  1,000-foot Transmission and Gas Line Buffer
-  1-Mile Project Site Buffer

Source: ESRI Aerial Imagery. No Field Survey Data available in this extent.



Exhibit 5  
Species Observed 1-Mile Project Site Buffer Map  
Quadrant A



**Legend**

- Survey Area
- 1,000-foot Transmission and Gas Line Buffer
- 1-Mile Project Site Buffer
- Lattice Tower
- Switchyard
- Access Roads

**Preliminary Gen-Tie**

- Overhead Gen-Tie
- Underground Gen-Tie
- North Loop Overhead Line
- South Loop Overhead Line

**Sensitive Plants**

- Barrel Cactus
- Variegated Dudleya
- Willowy Monardella

**Quino Host Plants**

- Dwarf Plantain
- Purple Owl's Clover
- Rufous-Crowned Sparrow

**Sensitive Wildlife Species**

- Rufous-Crowned Sparrow

Source: ESRI Aerial Imagery. Tetra Tech EC Inc., 2011. MBA Field Survey and GIS Data, 2011.

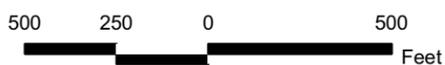


**Exhibit 5**  
**Species Observed 1-Mile Project Site Buffer Map**  
**Quadrant B**

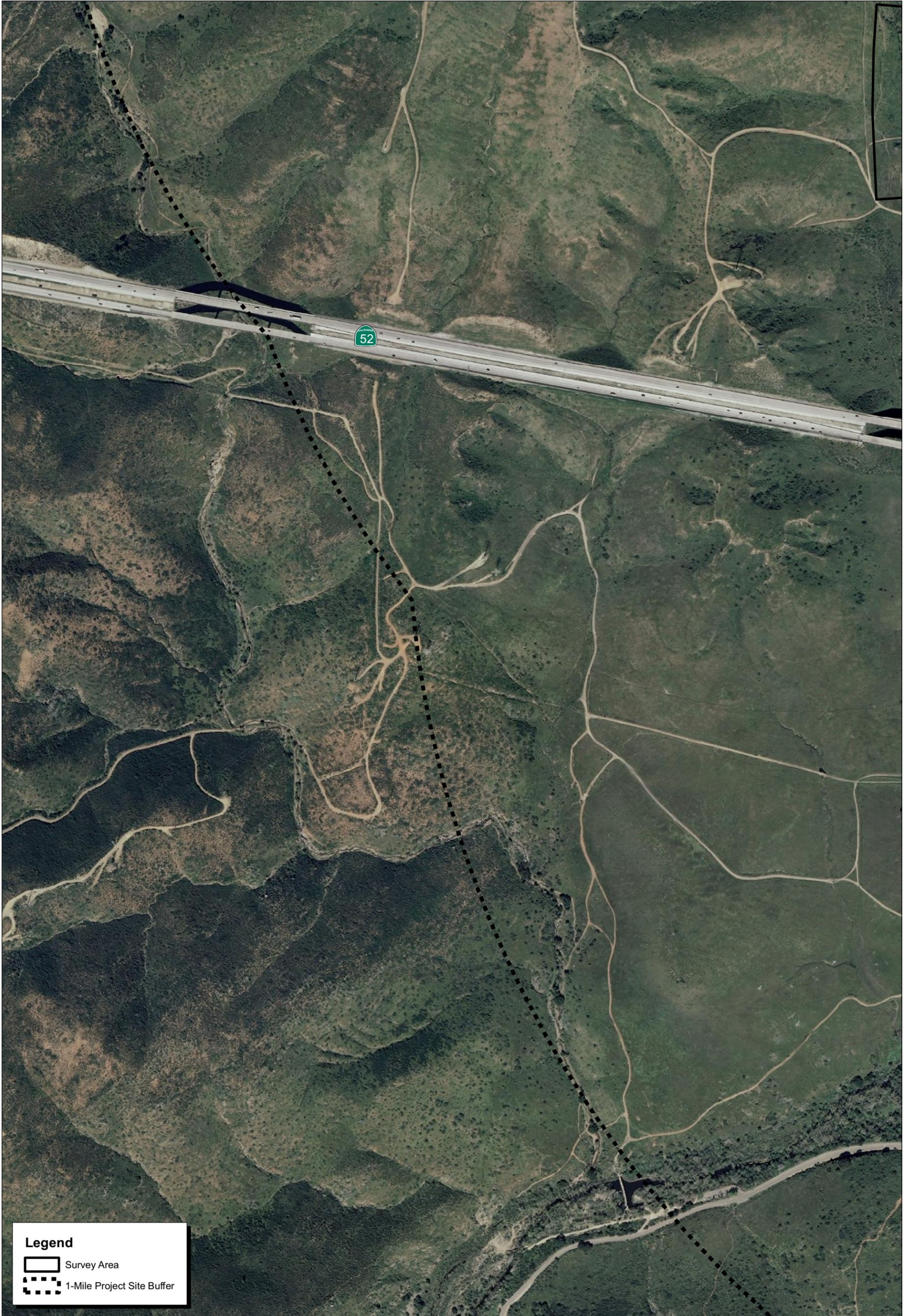


**Legend**  
 [Dashed Line Symbol] 1-Mile Project Site Buffer

Source: ESRI Aerial Imagery. No Field Survey Data available in this extent.



**Exhibit 5**  
**Species Observed 1-Mile Project Site Buffer Map**  
**Quadrant C**



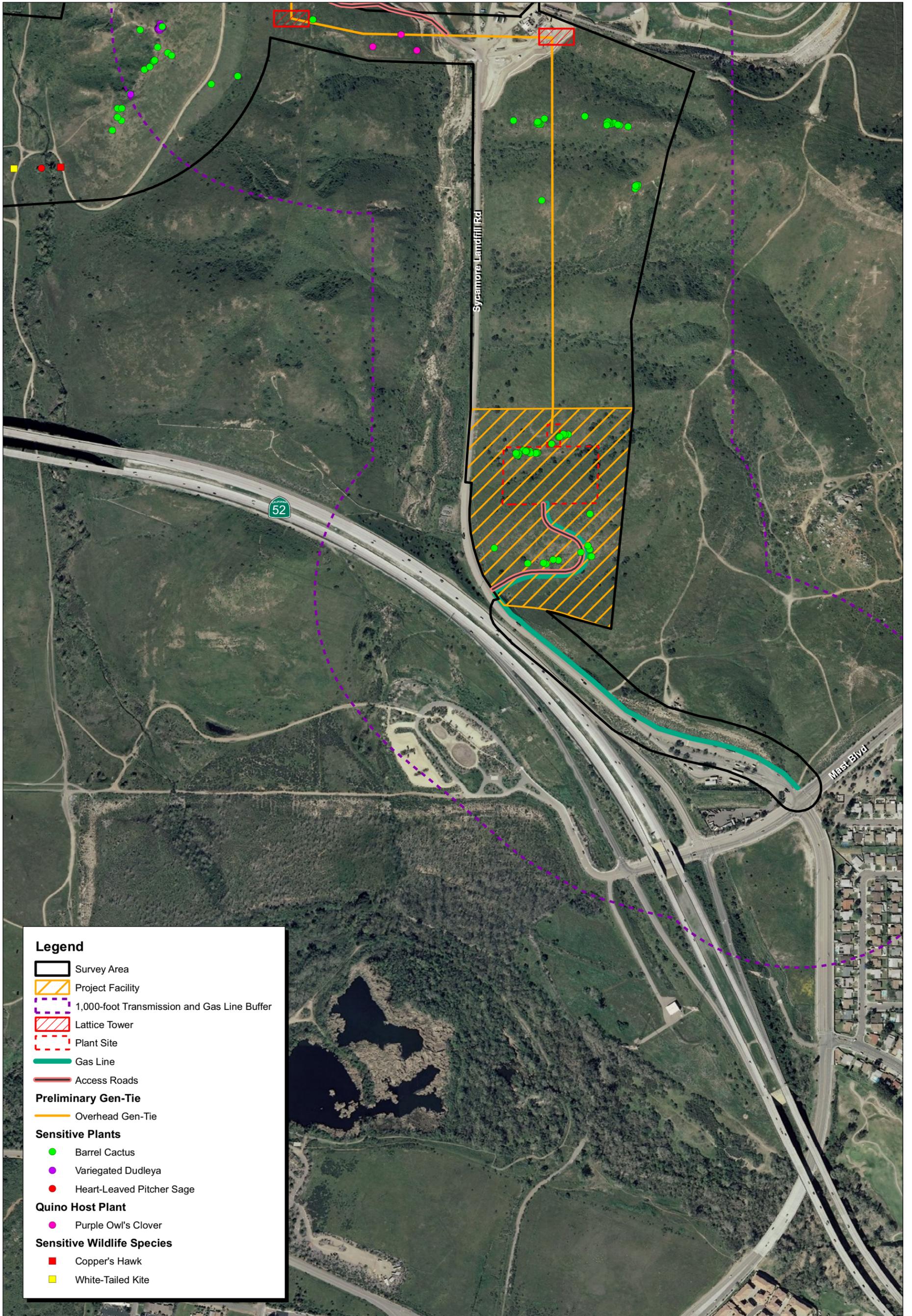
Source: ESRI Aerial Imagery, No Field Survey Data Available in this extent.



17510009 • 09/2011 | 5\_speciesobserved\_1mile\_buffer\_d.mxd



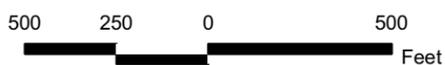
Exhibit 5  
 Species Observed 1-Mile Project Site Buffer Map  
 Quadrant D



**Legend**

- Survey Area
- Project Facility
- 1,000-foot Transmission and Gas Line Buffer
- Lattice Tower
- Plant Site
- Gas Line
- Access Roads
- Preliminary Gen-Tie**
- Overhead Gen-Tie
- Sensitive Plants**
- Barrel Cactus
- Variegated Dudleya
- Heart-Leaved Pitcher Sage
- Quino Host Plant**
- Purple Owl's Clover
- Sensitive Wildlife Species**
- Copper's Hawk
- White-Tailed Kite

Source: ESRI Aerial Imagery. Tetra Tech EC, Inc., 2011. MBA Field Survey and GIS Data, 2011.



**Exhibit 5**  
**Species Observed 1-Mile Project Site Buffer Map**  
**Quadrant E**



**Legend**

-  1,000-foot Transmission and Gas Line Buffer
-  1-Mile Project Site Buffer

Source: ESRI Aerial Imagery. No Field Survey Data available in this extent.



**Exhibit 5**  
**Species Observed 1-Mile Project Site Buffer Map**  
**Quadrant F**



Source: ESRI Aerial Imagery, No Field Survey Data available in this extent.



17510009 • 09/2011 | 3\_speciesobserved\_1mile\_buffer\_g.mxd



Exhibit 5  
 Species Observed 1-Mile Project Site Buffer Map  
 Quadrant G



Source: ESRI Aerial Imagery, No Field Survey Data available in this extent.



17510009 • 09/2011 | 5\_speciesobserved\_1mile\_buffer.mxd



## Exhibit 5 Species Observed 1-Mile Project Site Buffer Map Quadrant H

TETRA TECH EC, INC. • QUAIL BRUSH PROJECT  
DATA ADEQUACY RESPONSE

**ATTACHMENT B.1**  
**PRIVATE LAND ACCESS DOCUMENTATION**

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Property Profile SAN DIEGO

Prepared By:

Prepared For:

Parcel Number: 366-070-31-00

Owner 1: M & A GABAE

Owner 2:

Site Address:

City/State: SAN DIEGO CA

Mail Address: 9034 W SUNSET BLVD

City/State: WEST HOLLYWOOD CA 90069

Phone:

Pg-Grd: 1230-E3/1230-E3

Census: 0095.042

Ownership: CO-OWNER

Zoning: R1

Block/Lot: /3

Map Num: 0001703

Flood Panel:

Legal Description: POR LOTS 3 & 10 TR 1703

Property Characteristics

Use Description: VACANT MISCELLANEOUS

Year Built:

Beds/Baths:

#Stories:

Units:

#Rooms:

Lot Size: 37.21 A

Square Feet:

Use Code: VMSC

Garage:

Pool:

View:

Sale/Loan Information

Sale Date: 02/10/2010

Sale Amount: \$100,000 F

1st Trust Deed:

+Addl:

Last Trans W/O \$:

Last Trans W/O \$ Doc#:

Doc#: 68023

\$/SqFt:

LoanTy: //RES

PrevDt:

PrevAm:

Buyer: M & A GABAE

Seller: CAMP ELLIOT LLC

Lender:

Title: STEWART TITLE

Assessment/Tax Information

Assessed: \$23,496

Land: \$23,496

Improv: \$0

perc: 0%

Tax: \$1,072.36

Status: CUR

Tax Rate Area: 008060

Exempt:

Tax Year: 2010-2011

Mark Gabee - mark@charles-company.com

Property Profile SAN DIEGO

Prepared By:

Prepared For:

Parcel Number: 366-070-32-00  
Owner 1: CAMP ELLIOTT L L C  
Owner 2:  
Site Address:  
City/State: SAN DIEGO CA  
Mail Address: 26039 ACERO 101  
City/State: MISSION VIEJO CA

Phone:  
Pg-Grd: 1230-E3/1230-E3  
Census: 0095.042  
Ownship: CO-OWNER  
Zoning: R1  
Block/Lot: /3  
Map Num: 0001703  
Flood Panel:

92691

Legal Description: POR LOTS 3 & 10 TR 1703

Property Characteristics

Use Description: VACANT MISCELLANEOUS  
Year Built:  
Beds/Baths:  
#Stories:

Units:  
#Rooms:  
Lot Size: 18.01 A  
Square Feet:

Use Code: VMSC  
Garage:  
Pool:  
View:

Sale/Loan Information

Sale Date: 02/08/2005  
Sale Amount:  
1st Trust Deed:  
+Addl:  
Last Trans W/O \$:  
Last Trans W/O \$ Doc#:

Doc#: 104375  
\$/SqFt:  
LoanTy: //RES  
PrevDt:  
PrevAm:

Buyer: CAMP ELLIOTT LLC  
Seller: HERRMANN FAMILY  
Lender:  
Title:

Assessment/Tax Information

Assessed: \$13,141  
Land: \$13,141  
Improv: \$0  
perc: 0%

Tax: \$540.46  
Status: CUR  
Tax Rate Area: 008060  
Exempt:  
Tax Year: 2010-2011

Gabae APN 366-070-32 (18.01 acres)  
366-070-31 (37.21 acres)

David Dilday

**From:** David Dilday  
**Sent:** Monday, May 09, 2011 5:11 PM  
**To:** 'mark@charles-company.com'  
**Subject:** Mitigation Land next to Landfill in San Diego

Mark,

Thank you for allowing my client access to your property to perform the biology for their transmission route line for their power plant. As I mentioned, we have identified several parcels in the area for mitigation and for location of a small switchyard facility.

My client has authorized me to contact you to inquire about your willingness to enter an option agreement for 18 months. I would like to purchase the smaller 18 acre parcel, identified as APN 366-070-32. I would like to purchase the parcel and my client would make monthly option payments after a 60 day feasibility period for 18 months, with option payments applicable to the purchase price.

Mark, I understand that you purchased this property as mitigation for an industrial project in the South bay, but it would appear that you could make a nice profit by flipping this to my client.

Please let me know if your company has any interest in pursuing a deal with my client.

Regards,

Dave Dilday  
American Pacific Investments  
4275 Executive Sq. Suite 1050  
La Jolla, Ca 92037  
Ph: 858.350.5831

\* Mark Gabae gave me verbal approval to survey his properties referenced as APN 366-070-31 and 32 on May 9th 2011

David Dilday  
David Dilday, Broker

**Property Profile**  
County SAN DIEGO,

**Parcel Number** 366-031-16-00  
**Owner Name** ALFRED & JOYCE IMHOF  
**Site Address**  
**City/State/Zip** , -  
**Mail Address** 8661 ELMER LN  
**City/State/Zip** GARDEN GROVE, CA 92841-1045  
**Legal Descr** 8.09 AC M/L IN\ LOT 73

**Census** 060730095.0420  
**Zone** R-1:SINGLE FA  
**Block**  
**Tract**  
**Lot**

**Property Characteristics**

<b>Use Descr</b> Agricultural-Unimproved Vacant Land	<b>Square Feet</b> 0	<b>Fireplaces</b>
<b>Year Built</b>	<b>LotSize</b> 352,400 SF	<b>Pool</b>
<b>Rooms</b> 0	<b>Basement</b>	<b>Heat</b>
<b>Bed/Bath</b> 0/0.00	<b>Type Construction</b>	<b>Cool</b>
<b>Units</b> 0	<b>Roof Cover</b>	<b>Garage Type</b>
<b>Stories</b>		<b>Gar # of Car</b> 0
<b>View</b>		<b>Sewer</b>

**Sale Information**

<b>Document #</b>	<b>Sale Date</b>	<b>Prev Date</b>
<b>Buyer</b>	<b>Sale Amount</b> \$ 0	<b>Prev Amount</b> \$ 0
<b>Seller</b>		<b>Cost per SqFt</b> \$ 0
<b>Title Company</b>		

**Assessment/Tax Information**

<b>Assessed Value</b> \$ 37,854	<b>Tax Amount</b> \$ 610
<b>Land Value</b> \$ 37,854	<b>Tax Delinquent</b> N
<b>Improvement</b> \$ 0	<b>Tax Exempt</b> None
<b>% Improvement</b> 0	<b>Tax Rate Area</b> 8-123
	<b>Tax Year</b> 2010



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GARDEN GROVE CA 92841

7011 1150 0001 7993 9174

Postage	\$ 0.44	0075
Certified Fee	\$ 2.85	05
Return Receipt Fee (Endorsement Required)	\$ 0.00	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
<b>Total Postage &amp; Fees:</b>	<b>\$ 3.29</b>	<b>08/15/2011</b>

Sent To **Mr. Al Imhof**  
 Street, Apt. No.;  
 or PO Box No. **8661 Elmer Lane**  
 City, State, ZIP+4 **Garden Grove, Ca 92841**

PS Form 3800, August 2006 See Reverse for Instructions

I certify that on May 14th 2011,  
 Mr. Al Imhof gave me authorization  
 for Cogentrix to conduct biology and  
 cultural studies on his property identified as  
 APN 366-031-16.

x Dave Dilday  
 Dave Dilday, ADI



## Property Information

**Primary Owner :** KEYSTONE TRUST (12-05-00) (1/3)  
**Secondary Owner :** ENDER ALBERT ET AL  
**Site Address :**  
92071-  
**Mailing Address :** 2436 RIDGEMARK DR  
SANTA MARIA, CA 93455  
**Assessor Parcel Number :** 366-070-30-00  
**Census Tract :** 0095.04  
**Housing Tract Number :** N/A  
**Lot Number :** N/A  
**Page Grid :** -  
**Legal Description :** Abbreviated Description: CITY:SAN DIEGO POR LOT 3 MAP REF:001703;  
City/Muni/Twp: SAN DIEGO

## Property Characteristics

<b>Bedrooms :</b> 0	<b>Year Built :</b> N/A	<b>Square Feet :</b> 0
<b>Bathrooms :</b> 0.0	<b>Garage :</b> N/A	<b>Lot size :</b> 12.03 AC
<b>Partial Bath :</b> 0	<b>Fireplace :</b> N/A	<b>Number of Units :</b> 0
<b>Total Rooms :</b> 0	<b>Pool/Spa :</b> N	<b>Use Code :</b> Vacant Land(General)
<b>Zoning :</b> R-1:SINGLE		

## Sale Information

<b>Transfer Date :</b> 12/16/2005	<b>Document # :</b> 2005-1080607
<b>Transfer Value :</b> N/A	<b>Cost/Sq Feet :</b> N/A

## Assessment/Tax Information

<b>Assessed Value :</b> \$31,041	<b>Tax Amount :</b> \$616.86
<b>Land Value :</b> \$31,041	<b>Tax Status :</b> Current
<b>Improvement Value :</b> \$0	<b>Tax Rate Area :</b> 8-060
<b>Percent Improvement :</b> 0 %	<b>Homeowner Exemption :</b> N

Data Deemed Reliable, But Not Guaranteed.

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08/16/2011 08:24:47 AM Customer Service Rep: JACKIE



**David Dilday**

---

**From:** Palo, Gary [GaryPalo@COGENTRIX.COM]  
**Sent:** Monday, May 16, 2011 5:58 PM  
**To:** David Dilday  
**Subject:** Re: Keystone Trust Parcel 36607030

Ok

---

**From:** David Dilday <dave@daveampac.com>  
**To:** Palo, Gary  
**Sent:** Mon May 16 20:57:51 2011  
**Subject:** RE: Keystone Trust Parcel 36607030

Gary,

I have an e-mail so I will forward to him the language that we used with the other owner's. I will forward his response as soon as I get it back from him.

Regards,

Dave Dilday  
American Pacific Investments  
858.350.5831

---

**From:** Palo, Gary [mailto:GaryPalo@COGENTRIX.COM]  
**Sent:** Monday, May 16, 2011 5:51 PM  
**To:** David Dilday  
**Subject:** Re: Keystone Trust Parcel 36607030

David,

Very good news. Do you need an email from me to forward to him or is your phone call sufficient for the survey approval. It would be good if you sent an email to him thanking him for his cooperation so that we have something in your file in case we need it later. Thanks again for tracking them down, and we now have a sufficient number of mitigation parcels to choose from to meet out requirements.

Gary

Gary

---

**From:** David Dilday <dave@daveampac.com>  
**To:** Palo, Gary  
**Sent:** Mon May 16 20:25:56 2011  
**Subject:** RE: Keystone Trust Parcel 36607030

Gary,

*I certify that on May 16, 2011  
Hal Herritt gave me verbal  
authorization to conduct biology and  
cultural studies on his property.*

Spoke with the owner of the Keystone property, Hal Herritt, and he is OK with the consultants accessing the land for the studies. He also indicated that he would be amenable to a sale or option on the property.

*[Signature]*  
Dave Dilday, ADI  
3/11/11

**Property Profile** SPRING CANYON RD , , CA -  
County SAN DIEGO, CA

**Parcel Number** 366-031-15-00  
**Owner Name** LAWRENCE MADAY / Diane Johnson  
**Site Address** SPRING CANYON RD  
**City/State/Zip** , CA -  
**Mail Address** 950 BEECHWOOD RD  
**City/State/Zip** BUFFALO GROVE, IL 60089-3240  
**Legal Descr** 9.05 AC M/L IN LOT 73

**Census** 060730095.0420  
**Zone** R-1:SINGLE FA  
**Block**  
**Tract**  
**Lot**

**Property Characteristics**

<b>Use Descr</b> Agricultural-Unimproved Vacant Land	<b>Fireplaces</b>
<b>Year Built</b>	<b>Pool</b>
<b>Rooms</b> 0	<b>Heat</b>
<b>Bed/Bath</b> 0/0.00	<b>Cool</b>
<b>Units</b> 0	<b>Garage Type</b>
<b>Stories</b>	<b>Gar # of Car</b> 0
<b>View</b>	<b>Sewer</b>
<b>Square Feet</b> 0	
<b>LotSize</b> 394,218 SF	
<b>Basement</b>	
<b>Type Construction</b>	
<b>Roof Cover</b>	

**Sale Information**

<b>Document #</b>	<b>Sale Date</b>	<b>Prev Date</b>
<b>Buyer</b> ,	<b>Sale Amount</b> \$ 0	<b>Prev Amount</b> \$ 0
<b>Seller</b> ,		<b>Cost per SqFt</b> \$ 0
<b>Title Company</b>		

**Assessment/Tax Information**

<b>Assessed Value</b> \$ 135,243	<b>Tax Amount</b> \$ 1,746
<b>Land Value</b> \$ 135,243	<b>Tax Delinquent</b> N
<b>Improvement</b> \$ 0	<b>Tax Exempt</b> None
<b>% Improvement</b> 0	<b>Tax Rate Area</b> 8-123
	<b>Tax Year</b> 2010



Maday 366-031-15  
(9.05 acres)

**David Dilday**

---

**From:** ladydi727@aol.com  
**Sent:** Friday, August 12, 2011 12:10 PM  
**To:** David Dilday  
**Subject:** Re: Wetlands Summary

Dave,

You do have my permission to access my property for biology purposes.

Diane

Diane Johnson (Maday)

-----Original Message-----

**From:** David Dilday <dave@daveampac.com>  
**To:** Ladydi727 <Ladydi727@aol.com>  
**Sent:** Tue, Aug 9, 2011 5:10 pm  
**Subject:** RE: FW: Wetlands Summary

Diane,

Cogentrix to perform the biology on your property and I will forward you the full report. Please respond that it is OK for

Once we know what our land purchase requirements are for the area, we will be in a better position to make offers on parcels that fit our mitigation requirements.

Thank you for your patience and cooperation.

Regards,

Dave Dilday  
American Pacific Investments  
619.200.9787

---

**From:** [Ladydi727@aol.com](mailto:Ladydi727@aol.com) [<mailto:Ladydi727@aol.com>]  
**Sent:** Friday, July 15, 2011 4:08 AM  
**To:** David Dilday  
**Subject:** Re: FW: Wetlands Summary

Thanks for the info Dave. Had a couple of other inquiries but you were the first.

Diane

Diane

In a message dated 7/14/2011 6:05:37 P.M. Central Daylight Time, [dave@daveampac.com](mailto:dave@daveampac.com) writes:

Diane,

Not sure whether we will be making an offer on the property, but attached please find a copy of the biology report performed on the property. I should have some direction from my client within the next few weeks.

Regards,

Ramsey and Fra Najor  
Sent via mail

**Property Profile** , , -  
County SAN DIEGO,

**Parcel Number** 366-031-12-00  
**Owner Name** RAMSEY & RAMSEY NAJOR  
**Site Address**  
**City/State/Zip** , -  
**Mail Address** PO BOX 85410  
**City/State/Zip** SAN DIEGO, CA 92186-5410  
**Legal Descr** 9.92 AC M/L IN LOT 73

**Census** 060730095.0420  
**Zone** R-1:SINGLE FA  
**Block**  
**Tract**  
**Lot**

**Property Characteristics**

<b>Use Descr</b> Agricultural-Unimproved Vacant Land	<b>Square Feet</b> 0	<b>Fireplaces</b>
<b>Year Built</b>	<b>LotSize</b> 432,115 SF	<b>Pool</b>
<b>Rooms</b> 0	<b>Basement</b>	<b>Heat</b>
<b>Bed/Bath</b> 0/0.00	<b>Type Construction</b>	<b>Cool</b>
<b>Units</b> 0	<b>Roof Cover</b>	<b>Garage Type</b>
<b>Stories</b>		<b>Gar # of Car</b> 0
<b>View</b>		<b>Sewer</b>

**Sale Information**

<b>Document #</b>	<b>Sale Date</b>	<b>Prev Date</b>
<b>Buyer</b> ,	<b>Sale Amount</b> \$ 0	<b>Prev Amount</b> \$ 0
<b>Seller</b> ,		<b>Cost per SqFt</b> \$ 0
<b>Title Company</b>		

**Assessment/Tax Information**

<b>Assessed Value</b> \$ 13,406	<b>Tax Amount</b> \$ 369
<b>Land Value</b> \$ 13,406	<b>Tax Delinquent</b> Y
<b>Improvement</b> \$ 0	<b>Tax Exempt</b> None
<b>% Improvement</b> 0	<b>Tax Rate Area</b> 8-123
	<b>Tax Year</b> 2010



7011 1150 0001 7933 9167

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**SAN DIEGO CA 92186**

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Sent To Mr. and Mrs. Ira Najor  
 Street, Apt. No., or PO Box No. P.O. Box 85410  
 City, State, ZIP+4 San Diego, Ca 92186

PS Form 3800, August 2006 See Reverse for Instructions

I certify that on May 16th 2011, I received verbal authorization from Mr. Najor to conduct Biology and Cultural Studies on his property identified as APN 366-031-12.

Alan Ralder  
 Dave Dilday, API





## Property Information

**Primary Owner :** SELNA & MONGINI INVESTMENTS  
**Secondary Owner :** N/A  
**Site Address :** -  
**Mailing Address :** PO BOX 35  
JEROME, AZ 86331  
**Assessor Parcel Number :** 366-031-20-00  
**Census Tract :** 0095.04  
**Housing Tract Number :** N/A  
**Lot Number :** N/A  
**Page Grid :** -  
**Legal Description :** Abbreviated Description: CITY.SAN DIEGO 9.23 AC M/L IN\ LOT 73 MAP REF:CC000348, City/Muni/Twp: SAN DIEGO

## Property Characteristics

<b>Bedrooms :</b> 0	<b>Year Built :</b> N/A	<b>Square Feet :</b> 0
<b>Bathrooms :</b> 0.0	<b>Garage :</b> N/A	<b>Lot size :</b> 9.23 AC
<b>Partial Bath :</b> 0	<b>Fireplace :</b> N/A	<b>Number of Units :</b> 0
<b>Total Rooms :</b> 0	<b>Pool/Spa :</b> N	<b>Use Code :</b> Residential-Vacant Land
<b>Zoning :</b> R-1.SINGLE		

## Sale Information

<b>Transfer Date :</b> N/A	<b>Document # :</b> N/A
<b>Transfer Value :</b> N/A	<b>Cost/Sq Feet :</b> N/A

## Assessment/Tax Information

<b>Assessed Value :</b> \$26,304	<b>Tax Amount :</b> \$503.72
<b>Land Value :</b> \$26,304	<b>Tax Status :</b> Current
<b>Improvement Value :</b> \$0	<b>Tax Rate Area :</b> 8-123
<b>Percent Improvement :</b> 0 %	<b>Homeowner Exemption :</b> N

Data Deemed Reliable, But Not Guaranteed

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07/25/2011 10:58:05 AM

Customer Service Rep

JACKIE



Selma & Mongini Investments  
APN 366-031-17 (20.5 acres)

David Dilday

APN 366-031-20 (9.23 ac)

From: Palo,  
Sent: Thursday, May 05, 2011 1:44 PM  
To: David Dilday  
Cc: Neff, Rick  
Subject: RE: Selma and Mongini Investments Parcels 36608117 and 36603120 - Environmental Surveys

David,

We are responding to the landowner's request per the additional language added below and hope the additional language addresses their concerns.

The environmental surveys that Cogentrix is seeking landowner approval for our consultant Tetra Tech to conduct using experienced qualified personnel during daylight hours starting on Monday, May 9, 2011 on Selma and Mongini Investment owned parcel numbers 36608117 and 36603120 will include biological and cultural resources. Copies of all biological reports and redacted copies of cultural resources reports will be provided to the landowner(s) upon completion. We believe the information would help address the mitigation value of the parcels. Cogentrix Energy will indemnify the owners of the parcels against, and hold them harmless from, any claims of our consultants, and our and their agents and invitees resulting from their activities on or about the parcels in connection with these surveys.

Please let me know of the landowner's approval by email of our intended survey activities so that we can plan accordingly.

Regards,

 | Vice President Development | Cogentrix Energy, LLC |  
| Newport Beach, CA 92660 |

This shall serve as authorization for Tetra Tech to conduct biological surveys on our property referenced above. All studies must be completed by July 1, 2011.

X  5/6/2011  
Ray Selna Co-General Partner

Return Fax 858-350-5831 Dave Dilday

Property Profile SPRING CANYON RD , , CA 92071-  
County SAN DIEGO, CA

Parcel Number 366-070-65-00  
Owner Name CARMELLA ZAROOUR & LIVING TRUST OF CARMELLA SALIM  
Site Address SPRING CANYON RD  
City/State/Zip , CA 92071-  
Mail Address 3282 CABRILLO MESA DR  
City/State/Zip SAN DIEGO, CA 92123-3062  
Legal Descr (EX RD&DOC05-424534)DOC04-366523 IN\ LOT 3  
Census 060730095.0420  
Zone AGRICULTURA  
Block  
Tract  
Lot

Property Characteristics

Use Descr Agricultural-Unimproved Vacant Land  
Year Built  
Rooms 0  
Bed/Bath 0/0.00  
Units 0  
Stories  
View  
Square Feet 0  
LotSize 403,801SF/9.27AC  
Basement  
Type Construction  
Roof Cover  
Fireplaces  
Pool  
Heat  
Cool  
Garage Type  
Gar # of Car 0  
Sewer

Sale Information

Document #  
Buyer  
Seller  
Title Company  
Last Trans W/O \$: 04/30/2010  
Sale Date  
Sale Amount \$ 0  
Prev Date  
Prev Amount \$ 0  
Cost per SqFt \$ 0  
Last Trans W/O \$ Doc #: 2010-0217473

Assessment/Tax Information

Assessed Value \$ 200,944  
Land Value \$ 200,944  
Improvement \$ 0  
% Improvement 0  
Tax Amount \$ 2,504  
Tax Delinquent N  
Tax Exempt None  
Tax Rate Area 8-060  
Tax Year 2010



## David Dilday

---

**From:** Jack and Jeanette [jzandjz@cox.net]  
**Sent:** Wednesday, May 25, 2011 5:04 PM  
**To:** David Dilday  
**Subject:** Re: Biology/ Zarour 9.27 acres APN 366-070-65-00

Hello Dave,

Very well. Please use this response to your request as my authorization for your client to proceed with having Tetra Tech conduct the necessary biological and cultural surveys on our property. Looking forward to getting their reports and seeing if the property meets your client's acquisition parameters.

Sincerely,

Jack Zarour  
(619) 244-3187  
[jzandjz@cox.net](mailto:jzandjz@cox.net)

**From:** [David Dilday](#)  
**Sent:** Wednesday, May 25, 2011 12:35 PM  
**To:** [jzandjz@cox.net](mailto:jzandjz@cox.net)  
**Subject:** FW: Biology/ Zarour 9.27 acres APN 366-070-65-00

---

**From:** David Dilday  
**Sent:** Wednesday, May 25, 2011 12:16 PM  
**To:** '[jzand@cox.net](mailto:jzand@cox.net)'  
**Subject:** Biology/ Zarour 9.27 acres APN 366-070-65-00

Dear Jack,

Thank you for taking time yesterday to discuss your property located in East Elliott. I spoke to my client after our discussion and they would like your permission to access your property to do some environmental surveys to determine whether your property meets our acquisition parameters.

Tetra Tech, my client's biology consultant would like to conduct biological and cultural surveys on your property. Copies of all biology reports and redacted copies of cultural reports will be provided to you upon completion at no cost to you. Cogentrix agrees to indemnify the land owners of this parcel against, and hold harmless from any claims from our consultants, and our agents and invitees resulting from their activities on or about the parcels in connection with these surveys.

Please respond to this e-mail with your authorization to proceed with the surveys and this will suffice as approval to access the property referenced above in the subject line.

Thank you for your cooperation in this matter.

Regards,

**ATTACHMENT B.2**  
**CNDDDB LIST**

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Tetra Tech EC, Inc.  
 Cogentrix Quail Brush Generation Project  
 Biological Data Adequacy Response to Comments

Attachment A



Quad is (Del Mar (3211782) or El Cajon (3211678) or Jamul Mountains (3211668) or La Jolla (3211772) or La Mesa (3211771) or National City (3211761) or Point Loma (3211762) or San Vicente Reservoir (3211688) or Poway (3211781))

**CNDDDB Element Query Results**

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
Acanthomintha ilicifolia	San Diego thorn-mint	PDLAM01010	69	G2	S2	Threatened	Endangered	1B.1	USFS_S-Sensitive	Chaparral   Coastal scrub   Valley and foothill grassland   Vernal pool   Wetland
Accipiter cooperii	Cooper's hawk	ABNKC12040	102	G5	S3	None	None		DFG_WL-Watch List   IUCN_LC-Least Concern	Cismontane woodland   Riparian forest   Riparian woodland   Upper montane coniferous forest
Adolphia californica	California adolphia	PDRHA01010	84	G3G4	S2	None	None	2.1		Chaparral   Coastal scrub   Valley and foothill grassland
Agave shawii	Shaw's agave	PMAGA010P0	4	G2G3	S1.2	None	None	2.1		Coastal bluff scrub   Coastal scrub
Agelaius tricolor	tricolored blackbird	ABPBXB0020	427	G2G3	S2	None	None		ABC_WLBCC -Watch List of Birds of Conservation Concern   BLM_S-Sensitive   DFG_SSC-Species of Special Concern   IUCN_EN-Endangered   USFWS_BCC -Birds of Conservation Concern	Freshwater marsh   Marsh and swamp   Swamp   Wetland
Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	180	G5T2T4	S2S3	None	None		DFG_WL-Watch List	Chaparral   Coastal scrub
Ambrosia chenopodiifolia	San Diego bur-sage	PDAST0C080	12	G3?	S2.1	None	None	2.1		Coastal scrub
Ambrosia monogyra	singlewhorl burrobrush	PDAST50010	16	G5	S2.2	None	None	2.2		Chaparral   Sonoran desert scrub
Ambrosia pumila	San Diego ambrosia	PDAST0C0M0	47	G1	S1.1	Endangered	None	1B.1		Chaparral   Coastal scrub   Valley and foothill grassland
Ammodramus savannarum	grasshopper sparrow	ABPBXA0020	16	G5	S2	None	None		DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern	Valley and foothill grassland
Amphispiza belli belli	Bell's sage sparrow	ABPBX97021	56	G5T2T4	S2?	None	None		ABC_WLBCC -Watch List of Birds of Conservation Concern   DFG_WL-Watch List   USFWS_BCC -Birds of Conservation Concern	Chaparral   Coastal scrub

Tetra Tech EC, Inc.  
Cogentrix Quail Brush Generation Project  
Biological Data Adequacy Response to Comments

Attachment A

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
Anaxyrus californicus	arroyo toad	AAABB01230	122	G2G3	S2S3	Endangered	None		DFG_SSC-Species of Special Concern   IUCN_EN-Endangered	Desert wash   Riparian scrub   Riparian woodland   South coast flowing waters   South coast standing waters
Anniella pulchra pulchra	silvery legless lizard	ARACC01012	91	G3G4T3T4Q	S3	None	None		DFG_SSC-Species of Special Concern   USFS_S-Sensitive	Chaparral   Coastal dunes   Coastal scrub
Antrozous pallidus	pallid bat	AMACC10010	402	G5	S3	None	None		BLM_S-Sensitive   DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive   BWVG_H-High Priority	Chaparral   Coastal scrub   Desert wash   Great Basin grassland   Great Basin scrub   Mojavean desert scrub   Riparian woodland   Sonoran desert scrub   Upper montane coniferous forest   Valley and foothill grassland
Aphanisma blitoides	aphanisma	PDCHE02010	50	G3G4	S3	None	None	1B.2		Coastal bluff scrub   Coastal dunes   Coastal scrub
Aquila chrysaetos	golden eagle	ABNKC22010	141	G5	S3	None	None		BLM_S-Sensitive   CDF_S-Sensitive   DFG_FP-Fully Protected   DFG_WL-Watch List   IUCN_LC-Least Concern   USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest   Cismontane woodland   Coastal prairie   Great Basin grassland   Great Basin scrub   Lower montane coniferous forest   Pinon and juniper woodlands   Upper montane coniferous forest   Valley and foothill grassland
Arctostaphylos glandulosa ssp. crassifolia	Del Mar manzanita	PDERI040E8	45	G5T1	S1.1	Endangered	None	1B.1		Chaparral   Closed-cone coniferous forest
Arctostaphylos otayensis	Otay manzanita	PDERI040Y0	18	G2	S2.1	None	None	1B.2	BLM_S-Sensitive	Chaparral   Cismontane woodland
Artemisia palmeri	San Diego sagewort	PDAST0S160	36	G3	S3.2	None	None	4.2		Chaparral   Coastal scrub   Riparian forest   Riparian woodland
Aspidoscelis hyperythra	orangethroat whiptail	ARACJ02060	339	G5	S2	None	None		DFG_SSC-Species of Special Concern   IUCN_LC-	Chaparral   Cismontane woodland   Coastal scrub

Tetra Tech EC, Inc.  
Cogentrix Quail Brush Generation Project  
Biological Data Adequacy Response to Comments

Attachment A

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	112	G5T3T4	S2S3	None	None		Least Concern	
Astragalus deaneii	Dean's milk-vetch	PDFAB0F2R0	18	G2	S2.1	None	None	1B.1	BLM_S-Sensitive   USFS_S-Sensitive	Chaparral   Coastal scrub   Riparian forest
Astragalus tener var. titi	coastal dunes milk-vetch	PDFAB0F8R2	6	G1T1	S1.1	Endangered	Endangered	1B.1		Coastal bluff scrub   Coastal dunes
Athene cunicularia	burrowing owl	ABNSB10010	1808	G4	S2	None	None		BLM_S-Sensitive   DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFWS_BCC-Birds of Conservation Concern	Coastal prairie   Coastal scrub   Great Basin grassland   Great Basin scrub   Mojavean desert scrub   Sonoran desert scrub   Valley and foothill grassland
Atriplex coulteri	Coulter's saltbush	PDCHE040E0	70	G2	S2.2	None	None	1B.2		Coastal bluff scrub   Coastal dunes   Coastal scrub   Valley and foothill grassland
Atriplex pacifica	South Coast saltscale	PDCHE041C0	37	G3G4	S2.2	None	None	1B.2		Chenopod scrub   Coastal bluff scrub   Coastal scrub
Atriplex serenana var. davidsonii	Davidson's saltscale	PDCHE041T1	23	G5T2?	S2?	None	None	1B.2		Coastal bluff scrub   Coastal scrub
Baccharis vanessae	Encinitas baccharis	PDAST0W0P0	25	G1	S1.1	Threatened	Endangered	1B.1	USFS_S-Sensitive	Chaparral
Berberis nevini	Nevin's barberry	PDBER060A0	34	G2	S2.2	Endangered	Endangered	1B.1	USFS_S-Sensitive	Chaparral   Cismontane woodland   Coastal scrub   Riparian scrub
Bergerocactus emoryi	golden-spined cereus	PDCAC11010	32	G2G3	S2.1	None	None	2.2		Chaparral   Coastal scrub
Bloomeria clevelandii	San Diego goldenstar	PMLIL1H010	68	G2	S2	None	None	1B.1	BLM_S-Sensitive	Chaparral   Coastal scrub   Valley and foothill grassland   Vernal pool   Wetland
Branchinecta sandiegonensis	San Diego fairy shrimp	ICBRA03060	67	G1	S1	Endangered	None		IUCN_EN-Endangered	Chaparral   Coastal scrub   Vernal pool   Wetland
Brodiaea filifolia	thread-leaved brodiaea	PMLIL0C050	79	G2	S2.1	Threatened	Endangered	1B.1	USFS_S-Sensitive	Cismontane woodland   Coastal scrub   Valley and foothill grassland   Vernal pool   Wetland
Brodiaea orcuttii	Orcutt's brodiaea	PMLIL0C0B0	105	G1	S1	None	None	1B.1	BLM_S-Sensitive   USFS_S-Sensitive	Chaparral   Cismontane woodland   Closed-cone coniferous forest

Tetra Tech EC, Inc.  
Cogentrix Quail Brush Generation Project  
Biological Data Adequacy Response to Comments

## Attachment A

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
<i>Callophrys thornei</i>	Thorne's hairstreak	IILEPE2150	6	G1	S1	None	None		BLM_S-Sensitive	Meadow and seep   Ultramafic   Valley and foothill grassland   Vernal pool   Wetland
<i>Calochortus dunnii</i>	Dunn's mariposa-lily	PMLIL0D0C0	25	G2	S2.1	None	Rare	1B.2	BLM_S-Sensitive   USFS_S-Sensitive	Chaparral   Closed-cone coniferous forest   Ultramafic
<i>Campylorhynchus brunneicapillus sandiegensis</i>	coastal cactus wren	ABPBG02095	151	G5T3Q	S3	None	None		DFG_SSC-Species of Special Concern   USFS_S-Sensitive   USFWS_BCC -Birds of Conservation Concern	Coastal scrub
<i>Ceanothus cyaneus</i>	Lakeside ceanothus	PDRHA04070	26	G2	S2.2	None	None	1B.2	BLM_S-Sensitive   USFS_S-Sensitive	Chaparral   Closed-cone coniferous forest
<i>Ceanothus otayensis</i>	Otay Mountain ceanothus	PDRHA04430	4	G1	S1.2	None	None	1B.2		Chaparral   Ultramafic
<i>Ceanothus verrucosus</i>	wart-stemmed ceanothus	PDRHA041J0	44	G3	S2.2	None	None	2.2		Chaparral
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	PDAST4R0P4	76	G4T2	S2	None	None	1B.1		Marsh and swamp   Salt marsh   Valley and foothill grassland   Wetland
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	PDAST4R0R4	87	G3G4T2	S2.1	None	None	1B.1		Alkali playa   Chenopod scrub   Meadow and seep   Riparian woodland   Valley and foothill grassland   Wetland
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Orcutt's pincushion	PDAST20095	23	G5T1	S1	None	None	1B.1		Coastal bluff scrub   Coastal dunes
<i>Chaetodipus californicus femoralis</i>	Dulzura pocket mouse	AMAFD05021	53	G5T3	S2?	None	None		DFG_SSC-Species of Special Concern	Chaparral   Coastal scrub   Valley and foothill grassland
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	AMAFD05031	94	G5T3	S2S3	None	None		DFG_SSC-Species of Special Concern	Chaparral   Coastal scrub
<i>Charadrius alexandrinus nivosus</i>	western snowy plover	ABNNB03031	117	G4T3	S2	Threatened	None		ABC_WLBCC -Watch List of Birds of Conservation Concern   DFG_SSC-Species of Special Concern   USFWS_BCC -Birds of Conservation Concern	Great Basin standing waters   Sand shore   Wetland
<i>Charina trivirgata</i>	rosy boa	ARADA01020	47	G4G5	S3S4	None	None		IUCN_LC-Least Concern   USFS_S-Sensitive	Chaparral   Mojavean desert scrub   Sonoran desert scrub
<i>Chelonia mydas</i>	green turtle	ARAAA02010	2	G3	S1	Threatened	None		IUCN_EN-Endangered	Marine bay

Tetra Tech EC, Inc.  
Cogentrix Quail Brush Generation Project  
Biological Data Adequacy Response to Comments

Attachment A

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	PDSCR0J0C2	29	G4?T2	S2.1	Endangered	Endangered	1B.2		Coastal dunes   Marsh and swamp   Salt marsh   Wetland
Choeronycteris mexicana	Mexican long-tongued bat	AMACB02010	14	G4	S1	None	None		DFG_SSC-Species of Special Concern   IUCN_NT-Near Threatened   WBWG_H-High Priority	Pinon and juniper woodlands   Riparian scrub   Sonoran thorn woodland
Chorizanthe orcuttiana	Orcutt's spineflower	PDPGN040G0	11	G1	S1.1	Endangered	Endangered	1B.1		Chaparral   Closed-cone coniferous forest   Coastal scrub
Chorizanthe polygonoides var. longispina	long-spined spineflower	PDPGN040K1	99	G5T3	S3	None	None	1B.2	USFS_S-Sensitive	Chaparral   Coastal scrub   Meadow and seep   Ultramafic   Valley and foothill grassland
Cicindela gabbii	western tidal-flat tiger beetle	IICOL02080	7	G4	S1	None	None			Estuary   Mud shore/flats
Cicindela hirticollis gravida	sandy beach tiger beetle	IICOL02101	34	G5T2	S1	None	None			Coastal dunes
Cicindela latesignata latesignata	western beach tiger beetle	IICOL02113	15	G4T1T2	S1	None	None			Mud shore/flats
Cicindela senilis frosti	senile tiger beetle	IICOL02121	9	G4T1	S1	None	None			Mud shore/flats   Wetland
Clarkia delicata	delicate clarkia	PDONA050D0	31	G2	S2.2	None	None	1B.2	USFS_S-Sensitive	Chaparral   Cismontane woodland
Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	117	G5T3Q	S1	Candidate	Endangered		BLM_S-Sensitive   USFS_S-Sensitive   USFWS_BCC-Birds of Conservation Concern	Riparian forest
Coelus globosus	globose dune beetle	IICOL4A010	35	G1	S1	None	None		IUCN_VU-Vulnerable	Coastal dunes
Comarostaphylis diversifolia ssp. diversifolia	summer holly	PDERI0B011	80	G3T2	S2	None	None	1B.2		Chaparral
Corethrogyne filaginifolia var. incana	San Diego sand aster	PDAST2M025	9	G4T1	S1.1	None	None	1B.1		Chaparral   Coastal bluff scrub   Coastal scrub
Corethrogyne filaginifolia var. linifolia	Del Mar Mesa sand aster	PDAST2M027	30	G4T1	S1.1	None	None	1B.1		Chaparral   Coastal scrub
Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	237	G4	S2S3	None	None		BLM_S-Sensitive   DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive   WBWG_H-High Priority	Broadleaved upland forest   Chaparral   Chenopod scrub   Great Basin grassland   Great Basin scrub   Joshua tree woodland   Lower montane coniferous forest   Meadow and seep   Mojavean desert scrub   Riparian forest   Riparian

Tetra Tech EC, Inc.  
Cogentrix Quail Brush Generation Project  
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Crotalus ruber	red-diamond rattlesnake	ARADE02090	115	G4	S2?	None	None		DFG_SSC-Species of Special Concern	woodland   Sonoran desert scrub   Sonoran thorn woodland   Upper montane coniferous forest   Valley and foothill grassland Chaparral   Mojavean desert scrub   Sonoran desert scrub
Danaus plexippus	monarch butterfly	IILEPP2010	334	G5	S3	None	None			Closed-cone coniferous forest
Deinandra conjugens	Otay tarplant	PDAST4R070	36	G1	S1.1	Threatened	Endangered	1B.1		Coastal scrub   Valley and foothill grassland
Dendroica petechia brewsteri	yellow warbler	ABPBX03018	48	G5T3?	S2	None	None		DFG_SSC-Species of Special Concern   USFWS_BCC-Birds of Conservation Concern	Riparian woodland
Diadophis punctatus similis	San Diego ringneck snake	ARADB1001A	10	G5T2T3	S2?	None	None		USFS_S-Sensitive	
Dicranostegia orcuttiana	Orcutt's bird's-beak	PDSCR0J0G0	6	G2?	S1.1	None	None	2.1		Coastal scrub
Dudleya brevifolia	short-leaved dudleya	PDCRA04053	10	G2T1	S1.1	None	Endangered	1B.1		Chaparral   Coastal scrub
Dudleya variegata	variegated dudleya	PDCRA040R0	59	G2	S2.2	None	None	1B.2	BLM_S-Sensitive	Chaparral   Cismontane woodland   Coastal scrub   Valley and foothill grassland
Dudleya viscida	sticky dudleya	PDCRA040T0	23	G2	S2.2	None	None	1B.2	USFS_S-Sensitive	Chaparral   Coastal bluff scrub   Coastal scrub
Elanus leucurus	white-tailed kite	ABNKC06010	156	G5	S3	None	None		BLM_S-Sensitive   DFG_FP-Fully Protected   IUCN_LC-Least Concern	Cismontane woodland   Marsh and swamp   Riparian woodland   Valley and foothill grassland   Wetland
Empidonax traillii eximius	southwestern willow flycatcher	ABPAE33043	62	G5T1T2	S1	Endangered	Endangered		ABC_WLBCC-Watch List of Birds of Conservation Concern	Riparian woodland
Eremophila alpestris actia	California horned lark	ABPAT02011	76	G5T3Q	S3	None	None		DFG_WL-Watch List   IUCN_LC-Least Concern	Marine intertidal and splash zone communities   Meadow and seep
Ericameria palmeri var. palmeri	Palmer's goldenbush	PDAST3L0C1	16	G4T2T3	S1	None	None	1B.1	BLM_S-Sensitive	Chaparral   Coastal scrub
Eryngium aristulatum var. parishii	San Diego button-celery	PDAP10Z042	75	G5T2	S2.1	Endangered	Endangered	1B.1		Coastal scrub   Valley and foothill grassland   Vernal pool   Wetland
Erysimum amphilium	sand-loving wallflower	PDBRA16010	28	G2	S2.2	None	None	1B.2	BLM_S-Sensitive	Chaparral   Coastal

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Euderma maculatum	spotted bat	AMACC07010	68	G4	S2S3	None	None		BLM_S-Sensitive   DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   WBWG_H-High Priority	dunes   Coastal scrub
Eumops perotis californicus	western mastiff bat	AMACD02011	293	G5T4	S3?	None	None		BLM_S-Sensitive   DFG_SSC-Species of Special Concern   WBWG_H-High Priority	Chaparral   Cismontane woodland   Coastal scrub   Valley and foothill grassland
Euphorbia misera	cliff spurge	PDEUP0Q1B0	34	G5	S1	None	None	2.2		Coastal bluff scrub   Coastal scrub   Mojavean desert scrub
Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	95	G5T1	S1	Endangered	None		XERCES_CI-Critically Imperiled	Chaparral   Coastal scrub
Falco mexicanus	prairie falcon	ABNKD06090	456	G5	S3	None	None		DFG_WL-Watch List   IUCN_LC-Least Concern   USFWS_BCC-Birds of Conservation Concern	Great Basin grassland   Great Basin scrub   Mojavean desert scrub   Sonoran desert scrub   Valley and foothill grassland
Falco peregrinus anatum	American peregrine falcon	ABNKD06071	33	G4T3	S2	Delisted	Delisted		CDF_S-Sensitive   DFG_FP-Fully Protected   USFWS_BCC-Birds of Conservation Concern	
Ferocactus viridescens	San Diego barrel cactus	PDCAC08060	154	G4	S2	None	None	2.1		Chaparral   Coastal scrub   Valley and foothill grassland
Frankenia palmeri	Palmer's frankenia	PDFRA01040	3	G3G4	S1.1	None	None	2.1		Coastal dunes   Marsh and swamp   Salt marsh   Wetland
Fremontodendron mexicanum	Mexican flannelbush	PDSTE03020	8	G2	S2.1	Endangered	Rare	1B.1	USFS_S-Sensitive	Chaparral   Cismontane woodland   Closed-cone coniferous forest   Ultramafic
Galium proliferum	desert bedstraw	PDRUB0N1V0	9	G5	S2	None	None	2.2		Joshua tree woodland   Limestone   Mojavean desert scrub   Pinon and juniper woodlands
Geothallus tuberosus	Campbell's liverwort	NBHEP1C010	4	G1	S1	None	None	1B.1	USFS_S-Sensitive	Chaparral   Coastal scrub   Valley and foothill grassland   Vernal pool   Wetland

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<i>Githopsis diffusa</i> ssp. <i>filicaulis</i>	Mission Canyon bluecup	PDCAM07023	3	G5T2T3	S1.1	None	None	3.1	USFS_S-Sensitive	Chaparral
<i>Harpagonella palmeri</i>	Palmer's grapplinghook	PDBOR0H010	57	G4	S3.2	None	None	4.2		Chaparral   Coastal scrub   Valley and foothill grassland
<i>Helminthoglypta coelata</i>	mesa shoulderband	IMGASC2530	3	G1	S1	None	None		IUCN_VU-Vulnerable	Coastal bluff scrub
<i>Hesperocyparis forbesii</i>	Tecate cypress	PGCUP040C0	25	G2	S1.1	None	None	1B.1	BLM_S-Sensitive   USFS_S-Sensitive	Chaparral   Closed-cone coniferous forest
<i>Heterotheca sessiliflora</i> ssp. <i>sessiliflora</i>	beach goldenaster	PDAST4V0K2	13	G4T2T3	S2.1?	None	None	1B.1		Chaparral   Coastal dunes   Coastal scrub
<i>Horkelia truncata</i>	Ramona horkelia	PDROS0W0G0	31	G3	S2.3	None	None	1B.3	USFS_S-Sensitive	Chaparral   Cismontane woodland
<i>Icteria virens</i>	yellow-breasted chat	ABPBX24010	84	G5	S3	None	None		DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern	Riparian forest   Riparian scrub   Riparian woodland
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush	PDAST57091	9	G3G5T2T3	S2.2	None	None	1B.2		Coastal scrub
<i>Iva hayesiana</i>	San Diego marsh-elder	PDAST580A0	58	G3?	S2.2?	None	None	2.2		Alkali playa   Marsh and swamp   Wetland
<i>Ixobrychus exilis</i>	least bittern	ABNGA02010	9	G5	S1	None	None		DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFWS_BCC-Birds of Conservation Concern	Marsh and swamp   Wetland
<i>Lasionyxteris noctivagans</i>	silver-haired bat	AMACC02010	138	G5	S3S4	None	None		IUCN_LC-Least Concern   WBWG_M-Medium Priority	Lower montane coniferous forest   Oldgrowth   Riparian forest
<i>Lasiurus blossevillii</i>	western red bat	AMACC05060	119	G5	S3?	None	None		DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive   WBWG_H-High Priority	Cismontane woodland   Lower montane coniferous forest   Riparian forest   Riparian woodland
<i>Lasiurus cinereus</i>	hoary bat	AMACC05030	235	G5	S4?	None	None		IUCN_LC-Least Concern   WBWG_M-Medium Priority	Broadleaved upland forest   Cismontane woodland   Lower montane coniferous forest   North coast coniferous forest
<i>Lasiurus xanthinus</i>	western yellow bat	AMACC05070	57	G5	S3	None	None		DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   WBWG_H-High Priority	Desert wash

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<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	PDAST5L0A1	87	G4T3	S2.1	None	None	1B.1	BLM_S-Sensitive	Alkali playa   Marsh and swamp   Salt marsh   Valley and foothill grassland   Vernal pool   Wetland
<i>Laterallus jamaicensis coturniculus</i>	California black rail	ABNME03041	236	G4T1	S1	None	Threatened		ABC_WLBCC -Watch List of Birds of Conservation Concern   BLM_S-Sensitive   DFG_FP-Fully Protected   IUCN_NT-Near Threatened   USFWS_BCC -Birds of Conservation Concern	Brackish marsh   Freshwater marsh   Marsh and swamp   Salt marsh   Wetland
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage	PDLAM0V020	18	G2	S2.2	None	None	1B.2	USFS_S-Sensitive	Chaparral   Cismontane woodland   Closed-cone coniferous forest
<i>Lepechinia ganderi</i>	Gander's pitcher sage	PDLAM0V040	16	G2	S2.2	None	None	1B.3	BLM_S-Sensitive	Chaparral   Closed-cone coniferous forest   Coastal scrub   Valley and foothill grassland
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	PDBRA1M114	53	G5T2?	S2.2	None	None	1B.2		Chaparral   Coastal scrub
<i>Leptosyne maritima</i>	sea dahlia	PDAST2L0L0	27	G3	S2.2	None	None	2.2		Coastal bluff scrub   Coastal scrub
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	AMAEB03051	96	G5T3?	S3?	None	None		DFG_SSC-Species of Special Concern	Coastal scrub
<i>Lotus nuttallianus</i>	Nuttall's lotus	PDFAB2A0V0	36	G1	S1.1	None	None	1B.1		Coastal dunes   Coastal scrub
<i>Lycaena hermes</i>	Hermes copper butterfly	IILEPC1160	18	G1G2	S1S2	None	None		IUCN_VU-Vulnerable	Chaparral   Coastal scrub
Maritime Succulent Scrub	Maritime Succulent Scrub	CTT32400CA	10	G2	S1.1	None	None			Coastal scrub
<i>Melitta californica</i>	A mellitid bee	IIHYM74010	5	G4?	S2?	None	None			
<i>Mobergia calculiformis</i>	light gray lichen	NLT0018660	1	G1	S1.1	None	None			Coastal scrub
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	felt-leaved monardella	PDLAM180A2	43	G4T2	S2.2	None	None	1B.2	USFS_S-Sensitive	Chaparral   Cismontane woodland
<i>Monardella viminea</i>	willowy monardella	PDLAM180D4	21	G2	S2.1	Endangered	Endangered	1B.1		Chaparral   Coastal scrub   Riparian forest   Riparian scrub   Riparian woodland
<i>Myosurus minimus</i> ssp. <i>apus</i>	little mousetail	PDRAN0H031	24	G5T2Q	S2.2	None	None	3.1		Vernal pool   Wetland
<i>Myotis ciliolabrum</i>	western small-footed myotis	AMACC01140	81	G5	S2S3	None	None		BLM_S-Sensitive   IUCN_LC-Least Concern   WBWG_M-	

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Myotis evotis	long-eared myotis	AMACC01070	107	G5	S4?	None	None		Medium Priority BLM_S-Sensitive   IUCN_LC-Least Concern   WBWG_M-Medium Priority	
Myotis yumanensis	Yuma myotis	AMACC01020	256	G5	S4?	None	None		BLM_S-Sensitive   IUCN_LC-Least Concern   WBWG_LM-Low-Medium Priority	Lower montane coniferous forest   Riparian forest   Riparian woodland   Upper montane coniferous forest
Nama stenocarpum	mud nama	PDHYD0A0H0	22	G4G5	S1S2	None	None	2.2		Marsh and swamp   Wetland
Navarretia fossalis	spreading navarretia	PDPLM0C080	65	G1	S1	Threatened	None	1B.1		Alkali playa   Chenopod scrub   Marsh and swamp   Vernal pool   Wetland
Navarretia prostrata	prostrate vernal pool navarretia	PDPLM0C0Q0	60	G2?	S2.1?	None	None	1B.1		Coastal scrub   Valley and foothill grassland   Vernal pool   Wetland
Nemacaulis denudata var. denudata	coast woolly-heads	PDPGN0G011	23	G3G4T3?	S2.2	None	None	1B.2		Coastal dunes
Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	20	G3G4T3?	S2	None	None	2.2		Coastal dunes   Desert dunes   Sonoran desert scrub
Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	115	G5T3?	S3?	None	None		DFG_SSC-Species of Special Concern	Coastal scrub
Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	90	G4	S2S3	None	None		DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   WBWG_M-Medium Priority	Joshua tree woodland   Pinon and juniper woodlands   Riparian scrub   Sonoran desert scrub
Nyctinomops macrotis	big free-tailed bat	AMACD04020	32	G5	S2	None	None		DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   WBWG_MH-Medium-High Priority	
Opuntia californica var. californica	snake cholla	PDCAC0D2Y1	17	G3T2	S1.1	None	None	1B.1		Chaparral   Coastal scrub
Orcuttia californica	California Orcutt grass	PMPOA4G010	37	G2	S2.1	Endangered	Endangered	1B.1		Vernal pool   Wetland
Orobanche parishii ssp. brachyloba	short-lobed broomrape	PDORO040A2	26	G4?T3	S3.2	None	None	4.2		Coastal bluff scrub   Coastal dunes   Coastal scrub
Packera ganderi	Gander's ragwort	PDAST8H1F0	14	G2	S2.2	None	Rare	1B.2	BLM_S-Sensitive   USFS_S-Sensitive	Chaparral   Ultramafic

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<i>Pandion haliaetus</i>	osprey	ABNKC01010	482	G5	S3	None	None		CDF_S-Sensitive   DFG_WL-Watch List   IUCN_LC-Least Concern	Riparian forest
<i>Panoquina errans</i>	wandering (=saltmarsh) skipper	IILEP84030	12	G4G5	S1	None	None		IUCN_NT-Near Threatened	Marsh and swamp   Wetland
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow	ABPBX99015	36	G5T3	S3	None	Endangered			Marsh and swamp   Wetland
<i>Pelecanus occidentalis californicus</i>	California brown pelican	ABNFC01021	16	G4T3	S1S2	Delisted	Delisted		BLM_S-Sensitive   DFG_FP-Fully Protected	
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	AMAFD01042	13	G5T1	S1	Endangered	None		DFG_SSC-Species of Special Concern	Coastal scrub
<i>Phacelia stellaris</i>	Brand's star phacelia	PDHYD0C510	10	G2?	S1	Candidate	None	1B.1		Coastal dunes   Coastal scrub
<i>Phalacrocorax auritus</i>	double-crested cormorant	ABNFD01020	37	G5	S3	None	None		DFG_WL-Watch List   IUCN_LC-Least Concern	Riparian forest   Riparian scrub   Riparian woodland
<i>Phrynosoma blainvillii</i>	coast horned lizard	ARACF12100	658	G4G5	S3S4	None	None		BLM_S-Sensitive   DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive	Chaparral   Cismontane woodland   Coastal bluff scrub   Coastal scrub   Desert wash   Pinon and juniper woodlands   Riparian scrub   Riparian woodland   Valley and foothill grassland
<i>Pinus torreyana ssp. torreyana</i>	torrey pine	PGPIN04152	3	G1T1	S1.2	None	None	1B.2		Chaparral   Closed-cone coniferous forest
<i>Plestiodon skiltonianus interparietalis</i>	Coronado Island skink	ARACH01114	33	G5T2T3Q	S1S2	None	None		BLM_S-Sensitive   DFG_SSC-Species of Special Concern	Chaparral   Cismontane woodland   Pinon and juniper woodlands
<i>Pogogyne abramsii</i>	San Diego mesa mint	PDLAM1K010	42	G2	S2.1	Endangered	Endangered	1B.1		Vernal pool   Wetland
<i>Pogogyne nudiuscula</i>	Otay Mesa mint	PDLAM1K040	14	G1	S1.1	Endangered	Endangered	1B.1		Vernal pool   Wetland
<i>Polioptila californica californica</i>	coastal California gnatcatcher	ABPBJ08081	800	G3T2	S2	Threatened	None		ABC_WLBCC-Watch List of Birds of Conservation Concern   DFG_SSC-Species of Special Concern	Coastal bluff scrub   Coastal scrub
<i>Quercus dumosa</i>	Nuttall's scrub oak	PDFAG050D0	97	G1G2	S1.1	None	None	1B.1	USFS_S-Sensitive	Chaparral   Closed-cone coniferous forest   Coastal scrub
<i>Rallus longirostris levipes</i>	light-footed clapper rail	ABNME05014	30	G5T1T2	S1	Endangered	Endangered		ABC_WLBCC-Watch List of Birds of Conservation Concern   DFG_FP-Fully Protected	Marsh and swamp   Salt marsh   Wetland

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Salvadora hexalepis virgultea	coast patch-nosed snake	ARADB30033	22	G5T3	S2S3	None	None		DFG_SSC-Species of Special Concern	Coastal scrub
Salvia munzii	Munz's sage	PDLAM1S140	27	G3	S2.2	None	None	2.2		Chaparral   Coastal scrub
San Diego Mesa Claypan Vernal Pool	San Diego Mesa Claypan Vernal Pool	CTT44322CA	19	G2	S2.1	None	None			Vernal pool   Wetland
San Diego Mesa Hardpan Vernal Pool	San Diego Mesa Hardpan Vernal Pool	CTT44321CA	38	G2	S2.1	None	None			Vernal pool   Wetland
Satureja chandleri	San Miguel savory	PDLAM08030	21	G2	S2	None	None	1B.2	USFS_S-Sensitive	Chaparral   Cismontane woodland   Coastal scrub   Riparian woodland   Ultramafic   Valley and foothill grassland
Senecio aphanactis	chaparral ragwort	PDAST8H060	35	G3?	S1.2	None	None	2.2		Cismontane woodland   Coastal scrub
Southern Coast Live Oak Riparian Forest	Southern Coast Live Oak Riparian Forest	CTT61310CA	246	G4	S4	None	None			Riparian forest
Southern Coastal Salt Marsh	Southern Coastal Salt Marsh	CTT52120CA	24	G2	S2.1	None	None			Marsh and swamp   Wetland
Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	CTT61330CA	111	G3	S3.2	None	None			Riparian forest
Southern Interior Cypress Forest	Southern Interior Cypress Forest	CTT83230CA	24	G2	S2.1	None	None			Closed-cone coniferous forest
Southern Maritime Chaparral	Southern Maritime Chaparral	CTT37C30CA	26	G1	S1.1	None	None			Chaparral
Southern Riparian Forest	Southern Riparian Forest	CTT61300CA	20	G4	S4	None	None			Riparian forest
Southern Riparian Scrub	Southern Riparian Scrub	CTT63300CA	56	G3	S3.2	None	None			Riparian scrub
Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	CTT62400CA	230	G4	S4	None	None			Riparian woodland
Spea hammondi	western spadefoot	AAABF02020	408	G3	S3	None	None		BLM_S-Sensitive   DFG_SSC-Species of Special Concern   IUCN_NT-Near Threatened	Cismontane woodland   Coastal scrub   Valley and foothill grassland   Vernal pool   Wetland
Sphaerocarpos drewei	bottle liverwort	NBHEP35030	3	G1	S1	None	None	1B.1	USFS_S-Sensitive	Chaparral   Coastal scrub
Stemodia durantifolia	purple stemodia	PDSCR1U010	19	G5	S2.1?	None	None	2.1		Sonoran desert scrub
Sternula antillarum browni	California least tern	ABNNM08103	67	G4T2T3Q	S2S3	Endangered	Endangered		ABC_WLBCC-Watch List of Birds of Conservation Concern   DFG_FP-Fully Protected	Alkali playa   Wetland
Streptanthus bernardinus	Laguna Mountains jewel-flower	PDBRA2G060	22	G3	S3.3	None	None	4.3	USFS_S-Sensitive	Chaparral   Lower montane coniferous forest   Upper montane coniferous forest

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Streptocephalus woottoni	Riverside fairy shrimp	ICBRA07010	25	G1	S1	Endangered	None		IUCN_EN-Endangered	Coastal scrub   Valley and foothill grassland   Vernal pool   Wetland
Stylocline citroleum	oil neststraw	PDAST8Y070	79	G2	S2	None	None	1B.1	BLM_S-Sensitive	Chenopod scrub   Coastal scrub
Suaeda esteroa	estuary seablite	PDCHE0P0D0	23	G3	S2	None	None	1B.2		Marsh and swamp   Salt marsh   Wetland
Taxidea taxus	American badger	AMAJF04010	454	G5	S4	None	None		DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern	Alkali marsh   Alkali playa   Alpine   Alpine dwarf scrub   Bog and fen   Brackish marsh   Broadleaved upland forest   Chaparral   Chenopod scrub   Cismontane woodland   Closed-cone coniferous forest   Coastal bluff scrub   Coastal dunes   Coastal prairie   Coastal scrub   Desert dunes   Desert wash   Freshwater marsh   Great Basin grassland   Great Basin scrub   Interior dunes   Ione formation   Joshua tree woodland   Limestone   Lower montane coniferous forest   Marsh and swamp   Meadow and seep   Mojavean desert scrub   Montane dwarf scrub   North coast coniferous forest   Oldgrowth   Pavement plain   Redwood   Riparian forest   Riparian scrub   Riparian woodland   Salt marsh   Sonoran desert scrub   Sonoran thorn woodland   Ultramafic   Upper montane coniferous forest   Upper

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 Biological Data Adequacy Response to Comments

Attachment A

ScientificName	CommonName	ElementCode	OccCount	GlobalRank	StateRank	FederalListingStatus	StateListingStatus	CNPSList	OtherStatus	Habitat
Tetracoccus dioicus	Parry's tetracoccus	PDEUP1C010	46	G3	S2.2	None	None	1B.2	BLM_S-Sensitive   USFS_S-Sensitive	Sonoran scrub   Valley and foothill grassland Chaparral   Coastal scrub   Ultramafic
Texosporium sancti-jacobi	woven-spored lichen	NLTEST7980	19	G3	S1.1	None	None			Chaparral
Thamnophis hammondi	two-striped garter snake	ARADB36160	143	G3	S2	None	None		BLM_S-Sensitive   DFG_SSC-Species of Special Concern   IUCN_LC-Least Concern   USFS_S-Sensitive	Marsh and swamp   Riparian scrub   Riparian woodland   Wetland
Torrey Pine Forest	Torrey Pine Forest	CTT83140CA	3	G1	S1.1	None	None			Closed-cone coniferous forest
Triquetrella californica	coastal triquetrella	NBMUS7S010	11	G1	S1	None	None	1B.2	USFS_S-Sensitive	Coastal bluff scrub   Coastal scrub   Valley and foothill grassland
Tryonia imitator	mimic tryonia (=California brackishwater snail)	IMGASJ7040	34	G2G3	S2S3	None	None		IUCN_DD-Data Deficient	Aquatic   Brackish marsh   Estuary   Lagoon   Marsh and swamp   Salt marsh   Wetland
Valley Needlegrass Grassland	Valley Needlegrass Grassland	CTT42110CA	45	G3	S3.1	None	None			Valley and foothill grassland
Vireo bellii pusillus	least Bell's vireo	ABPBW01114	232	G5T2	S2	Endangered	Endangered		ABC_WLBCC-Watch List of Birds of Conservation Concern   IUCN_NT-Near Threatened	Riparian forest   Riparian scrub   Riparian woodland

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**ATTACHMENT B.3  
SPECIES TABLES**

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Table 1: Special Status Plant Species Table (USFWS, CDFG, CNPS, San Diego County MSCP (SDC MSCP))

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Acanthomintha ilicifolia</i>	San Diego thorn-mint	FT	SE	1B.1	List A	Grassy openings in the chaparral or sage scrub with friable or broken clay soils associated with Las Posas or San Miguel-Exchequer soils. Known Elevation Limits: 10 to 960 meters.	Annual herb	Apr to Jun	<b>Not Likely to Occur.</b> Recorded within 3 miles southwest of the site. No suitable soils present onsite. Not observed during focused plant surveys.
<i>Adolphia californica</i>	San Diego adolphia	None	None	2.1	List B	Occurs in chaparral, coastal scrub, and valley and foothill grassland areas. Is usually associated with Eriogonum fasciculatum and Artemisia californica in xeric locales where shrub canopy reaches four or five feet in height. Known Elevation Limits: 45 to 740 meters.	Deciduous shrub	Dec to May	<b>High potential to occur.</b> Recorded within 3 miles of the site. Suitable coastal scrub and grassland habitat occurs on the Project site.
<i>Agave shawii</i>	Shaw's agave	None	None	2.1	List B	Coastal bluff scrub   Coastal scrub. Is known to occur at Border Field in Marina coarse loamy sand Known Elevation Limits: 10 to 75 meters.	Perennial leaf succulent	Sep to May	<b>Not Likely to Occur.</b> Recorded over 14 miles west of the site. Project site is outside of the elevation range for this species. Marginally suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Ambrosia chenopodiifolia</i>	San Diego bur-sage	None	None	2.1	List B	Grows with Artemisia californica and Salvia mellifera in a low-growing, fairly open Coastal scrub. Known Elevation Limits: 55 to 155 meters.	Perennial shrub	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 14 miles south of the site. Project site is outside of the range for this species. Marginally suitable habitat occurs within the project site. Not observed during focused plant survey.
<i>Ambrosia monogyra</i>	Singlewhorl burrobrush	None	None	2.2e	n/a	Washes and dry riverbeds near chaparral and Sonoran desert scrub with sandy soils. Known Elevation Limits: 10 to 500 meters.	Perennial shrub	Aug to Nov	<b>Not Likely to Occur.</b> Recorded over 4 miles west of the site. No sandy wash habitat occurs within the project site. Not observed during focused plant survey.
<i>Ambrosia pumila</i>	San Diego ambrosia	FE	None	1B.1	List A	Occurs in chaparral, coastal scrub, and valley and foothill grassland, vernal pools. Often found in disturbed areas and sometimes in alkaline soils. Known Elevation Limits: 20 to 415 meters.	Rhizomatous herb	May to Oct	<b>Moderate potential to occur.</b> Recorded within 1 mile south of the site. Marginal coastal scrub and grassland habitat occurs onsite. No alkaline soils on Project site. Not observed during focused plant survey.
<i>Aphanisma blitoides</i>	Aphanisma	None	None	1B.2	List A	Coastal bluffs near the ocean and beach dunes. Known Elevation Limits: 1 to 305 meters.	Annual herb	Mar to Jun	<b>Not Likely to Occur.</b> Recorded over 9 miles southwest of the site. No suitable soils present onsite.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	Del Mar manzanita	FE	None	1B.1	List A	Occurs in maritime chaparral with <i>Adenostoma fasciculatum</i> and often <i>Ceanothus verrucosus</i> with sandy soils. Elevation Limits: 0 to 365 meters.	Perennial evergreen shrub	Dec to Jun	<b>Not Likely to Occur.</b> Recorded over 1 mile southwest of the site. No suitable habitat or sandy soils occur onsite.
<i>Arctostaphylos otayensis</i>	Otay manzanita	None	None	1B.2	List A	This species grows in chaparral on metavolcanic peaks. Known Elevation Limits: 275 to 1700 meters.	Perennial evergreen shrub	Jan to Apr	<b>Not Likely to Occur.</b> Recorded over 10 miles south of the site. Project site is outside of the range for this species. No suitable metavolcanic soil habitat occurs within the project site.
<i>Artemisia palmeri</i>	San Diego sagewort	None	None	4.2	List D	Occurs in sandy mesic areas within chaparral, coastal scrub, riparian forest, riparian scrub, and riparian woodlands along creeks and drainages near the coast. Known Elevation Limits: 16 to 1,000 meters.	Perennial deciduous shrub	Feb to Sep	<b>Low Potential to occur.</b> No record of the species within 5 miles of the site. No suitable sandy soils occur within the Project site. Not observed during focused plant surveys.
<i>Astragalus deanei</i>	Dean's milk-vetch	None	None	1B.1	List A	Occurs in Diegan Sage Scrub, chaparral, and sandy washes with Cieneba-Fallbrook rocky sandy loam. Known Elevation Limits: 75 to 695 meters	Perennial shrub	Feb to May	<b>Not Likely to Occur.</b> Recorded over 8 miles southeast of the site. Project site is outside of the range for this species. No suitable soil occurs within the project site.

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Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Astragalus tener</i> var. <i>titi</i>	Coastal dunes milk-vetch	FE	SE	1B.1	List A	Occurs in coastal dunes. Known Elevation Limits: 1 to 50 meters.	Annual herb	Mar to May	<b>Not Likely to Occur.</b> Recorded over 13 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Atriplex coulteri</i>	Coulter's saltbush	None	None	1B.2	List A	Occurs in sea-bluff habitat. Known Elevation Limits: 3 to 460 meters.	Perennial herb	Mar to Oct	<b>Not Likely to Occur.</b> Recorded over 7 miles north of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Atriplex pacifica</i>	South Coast saltscale	None	None	1B.2	List A	Commonly associated with Linne clay loam and Huerhuero-urban land complex open Diegan Sage Scrub dominated by <i>Artemisia californica</i> . Known Elevation Limits: 0 to 140 meters	Annual herb	Mar to Oct	<b>Not Likely to Occur.</b> Recorded over 11 miles northwest of the site. Project site is outside of the range for this species. No suitable soil occurs within the project site. Not observed during focused surveys.
<i>Atriplex serenana</i> var. <i> davidsonii</i>	Davidson's saltscale	None	None	1B.2	List A	Commonly found on coastal bluff scrub, coastal scrub with alkaline conditions. Known Elevation Limits: 10 to 200 meters	Annual herb	Apr to Oct	<b>Not Likely to Occur.</b> Recorded over 11 miles southwest of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Baccharis vanessae</i>	Encinitas baccharis	FT	SE	1B.1	List A	Occurs in chaparral dominated by <i>Adenostoma fasciculatum</i> with <i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> growing nearby along with <i>Xylococcus bicolor</i> and <i>Yucca schidigera</i> . Known Elevation Limits: 60 to 720 meters.	Perennial deciduous shrub	Aug to Nov	<b>Not Likely to Occur.</b> Recorded over 6 miles northwest of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site. Three of the four indicator plants do not occur onsite.
<i>Berberis nevini</i>	Nevin's barberry	FE	SE	1B.1	List A	Occurs in chaparral with strong desert affinities Known Elevation Limits: 274 to 825 meters.	Perennial evergreen shrub	Mar to Jun	<b>Not Likely to Occur.</b> Recorded over 13 miles west of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.
<i>Bergerocactus emoryi</i>	Golden-spined cereus	None	None	2.2	List B	Maritime Succulent Scrub Known Elevation Limits: 3 to 395 meters.	Perennial stem succulent	May to Jun	<b>Not Likely to Occur.</b> Recorded over 12 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Bloomeria clevelandii</i>	San Diego goldenstar	None	None	1B.1	List A	Occurs in chaparral, coastal scrub, valley and foothill grassland, and vernal pool habitats in clay soils. Known Elevation Limits: 50 to 465 meters	Bulbiferous herb	Apr to May	<b>High potential to occur.</b> Recorded within 1 mile of the site. Suitable coastal scrub and grassland habitat occurs on Project site. Not observed during focused plant surveys.
<i>Brodiaea filifolia</i>	Thread-leaved brodiaea	FT	SE	1B.1	List A	Vernally moist grasslands and the periphery of vernal pools. <i>Sisyrinchium bellum</i> and <i>Nassella pulchra</i> may grow nearby. Known Elevation Limits: 25 to 1,219 meters	Bulbiferous herb	Mar to Jun	<b>Not Likely to Occur.</b> Recorded over 10 miles north of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site. Not observed during focused plant surveys.
<i>Brodiaea orcuttii</i>	Orcutt's brodiaea	None	None	1B.1	List A	Closed-cone coniferous forest, chaparral, cismontane woodland, meadows and seeps, valley and foothill grassland, and vernal pools in mesic environments supported by clay and sometimes serpentine soils. Known Elevation Limits: 30 to 1,692 meters	Bulbiferous herb	May to Jul	<b>Moderate potential to occur.</b> Record of this species within 2 miles of the site. Marginal quality habitat occurs within the Project site. Not observed during focused plant surveys.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Calochortus dunnii</i>	Dunn's mariposa-lily	None	Rare	1B.2	List A	Rocky openings in chaparral or grassland/chaparral ecotone are the preferred habitat of this species. Known Elevation Limits: 185 to 1,830 meters.	Perennial bulbiferous herb	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 10 miles southeast of the site. Project site is outside of the range for this species. Marginal suitable habitat occurs within the project site.
<i>Ceanothus cyaneus</i>	Lakeside ceanothus	None	None	1B.2	List A	Occurs in a dense, almost impenetrable chaparral with a mix of Chamise and other shrubs such as manzanita. Known Elevation Limits: 235 to 755 meters,	Perennial evergreen shrub	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 5 miles east and west of the site. Project site is near the elevation range for this species. No suitable habitat occurs within the project site.
<i>Ceanothus otayensis</i>	Otay Mountain ceanothus	None	None	1B.2	n/a	This shrub grows in a xeric Chamise Chaparral on restricted to metavolcanic and gabbroic peaks. Elevation Limits: 600 to 1,100 meters	Perennial evergreen shrub	Jan to Apr	<b>Not Likely to Occur.</b> Recorded over 11 miles south of the site. Project site is outside of the elevation range for this species. No suitable metavolcanic or gabbroic soil habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Ceanothus verrucosus</i>	Wart-stemmed ceanothus	None	None	2.2	List B	Coastal Chaparral intermixed with Chamise and Mission Manzanita. Elevation Limits: 1 to 380 meters.	Perennial evergreen shrub	Dec to May	<b>Not Likely to Occur.</b> Recorded over 6 miles west of the site. Project site is outside of the range for this species. No suitable chamise and mission manzanita habitat occurs within the project site. Not observed during focused plant survey.
<i>Centromadia parryi</i> ssp. <i>australis</i>	Southern tarplant	None	None	1B.2	List A	Marshes, swamps, valley and foothill grassland and vernal pools. Elevation Limits: 0 to 425 meters	Annual herb	May to Nov	<b>Not Likely to Occur.</b> Recorded over 12 miles northwest of the site. No suitable marsh habitat occurs within the project site. Not observed during focused plant surveys.
<i>Centromadia pungens</i> ssp. <i>laevis</i>	Smooth tarplant	None	None	1B.1	List A	Chenopod scrub, Marshes, swamps, valley and foothill grassland and vernal pools. Elevation Limits: 0 to 640 meters.	Annual herb	Apr to Sep	<b>Not Likely to Occur.</b> Recorded over 2 miles east of the site. No suitable marsh habitat occurs within the project site. Not observed during focused plant surveys.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Orcutt's pincushion	None	None	1B.1	List A	Coastal bluff scrub, coastal dunes Elevation Limits: 0 to 100 meters.	Annual herb	Jan to Aug	<b>Not Likely to Occur.</b> Recorded over 11 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	Salt marsh bird's-beak	FE	SE	1B.1	n/a	Coastal dunes, marshes and swamps. Elevation Limits: 0 to 30 meters.	Annual herb, hemiparasitic	May to Oct	<b>Not Likely to Occur.</b> Recorded over 14 miles south of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.
<i>Chorizanthe orcuttiana</i>	Orcutt's spineflower	FE	SE	1B.1	List A	Coastal Chaparral openings in Chamise, with a distinctive loose sandy substrate. Elevation Limits: 3 to 125 meters.	Annual herb	Mar to May	<b>Not Likely to Occur.</b> Recorded over 7 miles west of the site. Project site is near the lower elevation range for this species. No suitable loose sandy soil habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	Long-spined spineflower	None	None	1B.2	List A	This small annual is typically found on clay lenses, which are largely devoid of shrubs. It can be occasionally seen on the periphery of vernal pool habitat and even on the periphery of montane meadows near vernal seeps. Elevation Limits: 30 to 1,530 meters.	Annual herb	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 3 miles west of the site. No suitable clay lens habitat occurs within the project site.
<i>Clarkia delicata</i>	Delicate clarkia	None	None	1B.2	List A	Commonly occur along the periphery of oak woodlands and cismontane chaparral. Elevation Limits: 235 to 1,000 meters.	Perennial herb	Feb to Jun	<b>Not Likely to Occur.</b> Recorded over 6 miles northeast of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	Summer holly	None	None	1B.2	List A	Southern Mixed Chaparral, usually on mesic north-facing slopes. Elevation Limits: 30 to 790 meters.	Perennial evergreen shrub	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 2 miles west of the site. No suitable southern mixed chaparral on north-facing slopes occurs within the project site. Not observed during focused plant surveys.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Corethrogyne filaginifolia</i> var. <i>incana</i>	San Diego sand aster	None	None	1B.1	List A	Coastal bluff scrub, chaparral, and coastal scrub. Elevation Limits: 3 to 115 meters.	Perennial herb	Jun to Sep	<b>Not Likely to Occur.</b> Recorded over 11 miles west of the site. Project site is above the elevation range for this species. Marginally suitable habitat occurs within the project site. Not observed during focused plant surveys.
<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>	Del Mar sand aster	None	None	1B.1	List A	Coastal bluff scrub, chaparral (Maritime), and coastal scrub. Elevation Limits: 15 to 150 meters.	Perennial herb	May to Sep	<b>Not Likely to Occur.</b> Recorded over 8 miles northwest of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Deinandra conjugens</i>	Otay tarplant	FT	SE	1B.1	List A	Occurs in open coastal scrub, valley, and foothill grassland with fractured clay soils. Elevation Limits: 25 to 300 meters.	Annual herb	May to Jun	<b>Not Likely to Occur.</b> Recorded over 8 miles south of the site. Project site is north of the known range for this species. No suitable fractured clay soil habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Dicranostegia orcuttiana</i>	Orcutt's bird's-beak	None	None	2.1	n/a	Seasonally dry drainages and upland adjacent to riparian habitat. Elevation Limits: 10 to 350 meters.	Annual herb hemiparasitic	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 17 miles south of the site. Project site is outside of the range for this species. Marginally suitable habitat occurs within the project site. Not observed during surveys.
<i>Dudleya brevifolia</i>	Short-leaved dudleya	None	SE	1B.1	List A	Open areas of Chamise Chaparral on Torrey sandstone with soils mapped as Carlsbad gravelly loamy sand. Known Elevation Limits: 30 to 250 meters.	Perennial herb	Apr to May	<b>Not Likely to Occur.</b> Recorded over 10 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Dudleya variegata</i>	Variegated dudleya	None	None	1B.2	List A	Clay habitat within chaparral, cismontane woodland, coastal scrub, valley and foothill grassland, and vernal pools. Known Elevation Limits: 3 to 580 meters.	Perennial herb	Apr to Jun	<b>Present.</b> This species was observed within the Diegan sage scrub along the ridgeline near the transmission line ROW.
<i>Dudleya viscida</i>	sticky dudleya	None	None	1B.2	List A	Coastal bluff scrub, chaparral, cismontane woodland, and coastal scrub in rocky soils. Known Elevation Limits: 10 to 550 meters.	Perennial herb	May to Jun	<b>Not Likely to Occur.</b> Recorded over 14 miles southwest of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Ericameria palmeri</i> var. <i>palmeri</i>	Palmer's goldenbush	None	None	1B.1	List A	This sizeable shrub grows along coastal drainages, in mesic chaparral sites, or rarely in Diegan Sage Scrub. Known Elevation Limits: 30 to 600 meters.	Perennial evergreen shrub	Sep to Nov.	<b>Moderate potential to occur.</b> No record of this species within 5 miles of the site. Marginal quality habitat occurs within the Project site. Not observed during focused plant surveys.
<i>Eryngium aristulatum parishii</i>	San Diego button-celery	FE	SE	1B.1	List A	Vernal Pools or mima mound areas with vernal moist conditions. Known Elevation Limits: 20 to 620 meters.	Annual/perennial herb	Apr to Jun	<b>Not likely to occur.</b> No record of the species within 5 miles of the site. No suitable habitat occurs within the Project site. Not observed during focused plant surveys.
<i>Erysimum ammophilum</i>	Sand-loving wallflower	None	None	1B.2	n/a	Old eroded dunes well back of the existing beachline, and sandy locales in chaparral openings. Known Elevation Limits: 0 to 60 meters.	Perennial herb	Feb to Jun	<b>Not Likely to Occur.</b> Recorded over 11 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site. Not observed during focused plant surveys.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Euphorbia misera</i>	Cliff spurge	None	None	2.2	List B	Occurs in Maritime Sage Scrub with a high incidence of cactus. Elevation Limits: 10 to 500 meters.	Perennial herb	Dec to Aug	<b>Not Likely to Occur.</b> Recorded over 12 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Ferocactus viridescens</i>	San Diego barrel cactus	None	None	2.1	List B	Occurs in chaparral, coastal scrub, valley, and foothill grassland habitats. Known Elevation Limits: 3 to 450 meters.	Perennial stem succulent	May to Jun.	<b>Present.</b> This species was observed within the Diegan sage scrub within the Project site.
<i>Frankenia palmeri</i>	Palmer's frankenia	None	None	2.1	List B	This low-growing shrub occurs on the periphery of Salt Marsh. Known Elevation Limits: 0 to 10 meters.	Perennial herb	May to Jul	<b>Not Likely to Occur.</b> Recorded over 14 miles southwest of the site. Project site is outside of the range for this species. No suitable salt marsh habitat occurs within the project site.
<i>Fremontodendron mexicanum</i>	Mexican flannelbush	FE	SR	1B.1	List A	Closed Cone Coniferous Forest and Southern Mixed Chaparral. Known Elevation Limits: 10 to 716 meters.	Perennial evergreen shrub	Mar to Jun	<b>Not Likely to Occur.</b> Recorded over 10 miles southeast of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.

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Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Galium proliferum</i>	Desert bedstraw	None	None	2.2	n/a	Joshua tree woodland, Mojavean desert scrub, Pinyon and juniper woodland. Elevation Limits: 1,190 to 1,570 meters.	Annual herb	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 12 miles south of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Geothallus tuberosus</i>	Campbell's liverwort	None	None	1B.1	n/a	Coastal Scrub and vernal pools. Elevation Limits: 10 to 600 meters.	Ephemeral liverwort	n/a	<b>Not Likely to Occur.</b> Recorded over 6 miles northwest of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Githopsis diffusa</i> <i>ssp. filicaulis</i>	Mission Canyon bluecup	None	None	3.1	n/a	Isolated, sandy openings in chaparral. Elevation Limits: 450 to 750 meters.	Annual herb	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 9 miles northeast of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.
<i>Grindelia hallii</i>	Hall's gum plant	None	None	1B.1	List A	Chaparral, lower montane coniferous forest, meadows and seeps, and valley and foothill grasslands. Elevation Limits: 185 to 1745 meters.	Perennial herb	Jul to Oct	<b>Not Likely to Occur.</b> Recorded over 22 miles east of the site. Project site is outside of the range for this species. Marginally suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Harpagonella palmeri</i>	Palmer's grapplinghook	None	None	4.2	List D	Clay vertisols with open grassy slopes or open Diegan Sage Scrub. Elevation Limits: 20 to 955 meters.	Annual herb	Mar to May	<b>Not Likely to Occur.</b> Recorded over 2 miles east of the site. No suitable clay vertisol habitat occurs within the project site. Not observed during focused plant surveys.
<i>Hesperocyparus forbesii</i>	Tecate cypress	None	None	1B.1	n/a	Clay, gabbroic or metavolcanic soils in closed cone coniferous forest and chaparral. Known Elevation Limits: 80 to 1,500 meters.	Perennial evergreen tree	n/a	<b>Not Likely to Occur.</b> Recorded over 17 miles south of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Heterotheca sessiliflora</i> ssp. <i>sessiliflora</i>	Beach goldenaster	None	None	1B.1	n/a	Coastal Sage Scrub in sandy locales, coastal dunes, and chaparral. Known Elevation Limits: 0 to 1,225 meters.	Perennial herb	Mar to Dec	<b>Not Likely to Occur.</b> Recorded over 10 miles southwest of the site. No suitable sandy soils present onsite.
<i>Holocarpha virgata</i> ssp. <i>elongata</i>	Graceful tarplant	None	None	4.2	List D	Occurs in annual and perennial grasslands. Known Elevation Limits: 60 to 1,100 meters.	Annual herb	May to Nov.	<b>Low potential to occur.</b> No record of the species within 5 miles of the site. Marginally suitable habitat occurs on the Project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Horkelia truncata</i>	Ramona horkelia	None	None	1B.3	List A	Occurs in clay and gabbroic soils in chaparral and cismontane woodlands. Known Elevation Limits: 400 to 1,300 meters.	Perennial herb	May to Jun	<b>Not Likely to Occur.</b> Recorded over 8 miles northeast of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.
<i>Isocoma menziesii</i> var. <i>decumbens</i>	Decumbent goldenbush	None	None	1B.2	List A	Occurs in chaparral and coastal scrub, often in disturbed areas with sanding soils. Known Elevation Limits: 10 to 135 meters.	Perennial shrub	Apr to Nov	<b>Low potential to occur.</b> No record of the species within 5 miles of the site. Marginally suitable habitat occurs on the Project site.
<i>Iva hayesiana</i>	San Diego marsh-elder	None	None	2.2	List B	Creeks or intermittent streambeds are the preferred habitat. Known Elevation Limits: 10 to 500 meters.	Perennial herb	Apr to Oct	<b>Not Likely to Occur.</b> Recorded over 4 miles south of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site. Not observed during focused plant surveys.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	None	None	1B.1	List A	This species occurs in tidal marsh areas near the coast at the extreme upper end of tidal inundation. Elevation Limits: 1 to 1,220 meters.	Annual herb	Feb to Jun	<b>Not Likely to Occur.</b> Recorded over 8 miles south of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Lepechinia cardiophylla</i>	Heart-leaved pitcher sage	None	None	1B.2	List A	Occurs in closed-cone coniferous forest, openings in chaparral, and cismontane woodland habitats. Metavolcanic soils. Known Elevation Limits: 520 to 1,370 meters.	Shrub	Apr to June	<b>Present.</b> The species was observed adjacent to the emergent wetland area in the central portion of the biological survey area.
<i>Lepechinia ganderi</i>	Gander's pitcher sage	None	None	1B.3	List A	This plant is restricted to metavolcanic derived soils in chaparral. The preferred soil type is San Miguel-Exchequer rocky silt loams. Known Elevation Limits: 305 to 1,005 meters.	Perennial shrub	Jun to Jul	<b>Not Likely to Occur.</b> Recorded over 11 miles southeast of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	None	None	1B.2	List A	The species occurs in chaparral and coastal scrub habitats on dry soils. Known Elevation Limits: 1 to 885 meters.	Annual herb	Jan to Jul	<b>Low potential to occur.</b> No record of the species within 5 miles north of the site. Marginally suitable habitat occurs on the Project site. Not observed during the focused plant survey

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Leptosyne maritima</i>	Sea dahlia	None	None	2.2	n/a	Occurs in Coastal bluff scrub and coastal scrub. Known Elevation Limits: 5 to 150 meters.	Perennial herb	Mar to May	<b>Not Likely to Occur.</b> Recorded over 11 miles west of the site. Project site is at the lower elevation range for this species. No suitable habitat occurs within the project site.
<i>Lotus nuttallianus</i>	Nuttall's lotus	None	None	1B.1	List A	Coastal Dunes, particularly well protected back dunes with minimal human foot traffic. Known Elevation Limits: 0 to 10 meters.	Annual herb	May to Jun	<b>Not Likely to Occur.</b> Recorded over 11 miles west of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.
<i>Mobergia calculiformis</i>	Light gray lichen	None	None	n/a	n/a	Occurs in coastal sage scrub as the dominant lichen on volcanic rocks	Lichen	n/a	<b>Not Likely to Occur.</b> Recorded over 11 miles southwest of the site. Project site is outside of the range for this species. No suitable volcanic rocks occur within the project site. Not observed during focused plant survey.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	Felt-leaved monardella	None	None	1B.2	List A	Southern mixed chaparral understory. Known Elevation Limits: 300 to 1,575 meters.	Perennial rhizomatous herb	Jun to Aug	<b>Not Likely to Occur.</b> Recorded over 7 miles northeast of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.
<i>Monardella viminea</i>	Willowy monardella	FE	SE	1B.1	List A	Riparian scrub, usually at sandy locales in seasonally dry washes. Known Elevation Limits: 380 to 1,700 meters.	Perennial herb	June to Aug.	<b>Present.</b> The species was observed adjacent to the drainage feature in the northwestern portion of the Project site.
<i>Myosurus minimus</i> ssp. <i>apus</i>	Little mousetail	None	None	3.1	List C	This species occurs in vernal pools. Elevation Limits: 20 to 640 meters.	Annual herb	Mar to Jun	<b>Not Likely to Occur.</b> Recorded over 5 miles southwest of the site. No suitable habitat occurs within the project site.
<i>Nama stenocarpum</i>	Mud nama	None	None	2.2	List B	This tiny annual herb grows on the muddy embankments of ponds and lakes. Elevation Limits: 5 to 500 meters.	Annual/ Perennial herb	Jan to Jul	<b>Not Likely to Occur.</b> Recorded over 10 miles south of the site. No suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Navarretia fossalis</i>	Spreading navarretia	Threatened	None	1B.1	List A	This species occurs in vernal pools and vernal swales. Elevation Limits: 30 to 655 meters.	Annual herb	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 5 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Navarretia prostrata</i>	Prostrate vernal pool navarretia	None	None	1B.1	List A	This species occurs in vernal pools and meadows and seeps. Elevation Limits: 15 to 1,210 meters.	Annual herb	Apr to Jul	<b>Not Likely to Occur.</b> Recorded over 5 miles west of the site. No suitable vernal pool habitat occurs within the project site.
<i>Nemacaulis denudata</i> var. <i>denudata</i>	Coast woolly-heads	None	None	1B.2	List A	Occurs in well-developed coastal sand dunes along the beaches Elevation Limits: 0 to 100 meters.	Annual herb	Apr to Sep	<b>Not Likely to Occur.</b> Recorded over 11 miles west of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.
<i>Nemacaulis denudata</i> var. <i>gracilis</i>	Slender cottonheads	None	None	2.2	List B	Prefers well-developed dunes whether on the desert or rarely, along the coastal beaches. Elevation Limits: 50 to 400 meters.	Annual herb	Apr to May	<b>Not Likely to Occur.</b> Recorded over 14 miles southwest of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Nolina interrata</i>	Dehesa nolina	None	None	1B.1	List A	Open Southern Mixed Chaparral and Chamise Chaparral. Elevation Limits: 185 to 855 meters.	Perennial herb	Jun to Jul	<b>Not Likely to Occur.</b> Recorded over 9 miles southeast of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Opuntia californica</i> var. <i>californica</i>	Snake cholla	None	None	1B.1	n/a	Open Diegan Sage Scrub on xeric hillsides is the preferred habitat for this prostrate to suberect cane type cactus. Elevation Limits: 30 to 150 meters.	Perennial stem succulent	Apr to May	<b>Not Likely to Occur.</b> Recorded over 9 miles southwest of the site. Project site is outside of the range for this species. Marginally suitable habitat occurs within the project site. Not observed during focused plant survey.
<i>Orcuttia californica</i>	California Orcutt grass	Endangered	Endangered	1B.1	List A	This species occurs in vernal pools and vernal swales. Elevation Limits: 15 to 660 meters.	Annual herb	Apr to Aug	<b>Not Likely to Occur.</b> Recorded over 5 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Orobanche parishii</i> ssp. <i>brachyloba</i>	Short-lobed broomrape	None	None	4.2	List D	Coastal Bluff Scrub and Coastal Dunes are the reported habitat for this species. Elevation Limits: 3 to 305 meters.	Perennial herb	Apr to Oct	<b>Not Likely to Occur.</b> Recorded over 12 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Packera ganderi</i>	Gander's ragwort	None	Rare	1B.2	List A	Chaparral in recently burned areas associated with gabbroic outcrops. Elevation Limits: 400 to 1,200 meters.	Perennial herb	Apr to Jun	<b>Not Likely to Occur.</b> Recorded over 8 miles northeast of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Phacelia stellaris</i>	Brand's star phacelia	Candidate	None	1B.1	List A	This annual grows in sandy openings in Diegan Sage Scrub near the coast. Elevation Limits: 1 to 400 meters.	Annual herb	Mar to Jun	<b>Not Likely to Occur.</b> Recorded over 11 miles southwest of the site. Project site is outside of the range for this species.
<i>Pinus torreyana</i> <i>ssp. torreyana</i>	Torrey pine	None	None	1B.2	List A	Closed Coniferous Forest along the coast near Del Mar is the mainland habitat of the Torrey Pine. Elevation Limits: 75 to 160 meters.	Perennial evergreen tree	n/a	<b>Not Likely to Occur.</b> Recorded over 10 miles north of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Pogogyne abramsii</i>	San Diego mesa mint	FE	SE	1B.1	List A	Occurs in vernal pools. Elevation Limits: 90 to 200 meters.	Annual herb	Mar to Jul	<b>Not Likely to Occur.</b> Recorded over 3 miles west of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site. Not observed during focused plant surveys.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Pogogyne nudiuscula</i>	Otay Mesa mint	FE	SE	1B.1	List A	Occurs in vernal pools. Elevation Limits: 90 to 250 meters.	Annual herb	May to Jul	<b>Not Likely to Occur.</b> Recorded over 5 miles southwest of the site. No suitable vernal pool habitat occurs within the project site.
<i>Quercus dumosa</i>	Nuttall's scrub oak	None	None	1B.1	List A	Coastal chaparral with a relatively open canopy cover is the preferred habitat in flat terrain. Elevation Limits: 15 to 400 meters.	Perennial evergreen shrub	Feb to Apr	<b>Not Likely to Occur.</b> Recorded over 1 miles north of the site. Marginally suitable habitat occurs within the project site, but not within open flat terrain.
<i>Salvia munzii</i>	Munz's sage	None	None	2.2	List B	Chaparral and Diegan Sage Scrub. Elevation Limits: 120 to 1,065 meters.	Perennial evergreen shrub	Feb to Apr	<b>Not Likely to Occur.</b> Recorded over 8 miles south of the site. Project site is outside of the elevation range for this species. No suitable habitat occurs within the project site.
<i>Satureja chandleri</i>	San Miguel savory	None	None	1B.2	List A	Found in chaparral and oak woodland, and may be restricted to gabbroic or metavolcanic derived soils. Elevation Limits: 120 to 1,075 meters.	Perennial shrub	Mar to Jul	<b>Not Likely to Occur.</b> Recorded over 10 miles northeast of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site. Not observed during focused plant surveys.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Senecio aphanactis</i>	Chaparral ragwort	None	None	2.2	List B	Occurs in coastal sage scrub and is reported from cismontane woodland and alkaline flats. Elevation Limits: 15 to 800 meters.	Annual herb	Jan to Apr	<b>Not Likely to Occur.</b> Recorded over 5 miles west of the site. Project site is outside of the range for this species. No suitable alkaline habitat occurs within the project site.
<i>Sphaerocarpos drewei</i>	Bottle liverwort	None	None	1B.1	n/a	Under shade of coastal sage brush. Appears to be associated with <i>Geothallus tuberosus</i> . Opening in chaparral and coastal sage scrub. Elevation Limits: 90 to 600 meters.	Ephemeral liverwort	n/a	<b>Not Likely to Occur.</b> Recorded over 9 miles west of the site. Marginal habitat onsite. Coastal sage scrub is sparse and does not provide sufficient shade for this species. Project site is outside of the range for this species. Not observed during focused plant survey.
<i>Stemodia durantifolia</i>	Purple stemodia	None	None	2.1	List B	Occurs in Sonoran Desert scrub in sandy soils. Elevation Limits: 180 to 300 meters.	Perennial herb	Jan to Dec	<b>Not Likely to Occur.</b> Recorded over 1 mile southwest of the site. No suitable Sonoran Desert Scrub habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Streptanthus bernardinus</i>	Laguna Mountains jewel-flower	None	None	4.3	List A	Occurs in Lower Montane Coniferous Forest. Elevation Limits: 670 to 2,500 meters.	Perennial herb	May to Aug	<b>Not Likely to Occur.</b> Recorded over 15 miles south of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Stylocline citroleum</i>	Oil nestraw	None	None	1B.1	List A	Occurs in clay soils in oil producing areas within chenopod scrub, coastal scrub, and valley and foothill grassland. Known Elevation Limits: 50 to 400 meters.	Annual herb	Mar. to Apr.	<b>Low potential to occur.</b> No record of the species within 5 miles of the site. Marginally suitable habitat occurs on Project site, but no evidence of oil production in the area.
<i>Suaeda esteroa</i>	Estuary seablite	None	None	1B.2	List A	The periphery of Coastal Salt Marsh, often growing with <i>Salicornia subterminalis</i> . Elevation Limits: 0 to 5 meters.	Perennial herb	May to Oct	<b>Not Likely to Occur.</b> Recorded over 12 miles southwest of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<i>Tetracoccus dioicus</i>	Parry's tetracoccus	None	None	1B.2	List A	Occurs in low-growing Chamise Chaparral, with moderately dense canopy cover. Elevation Limits: 165 to 1,000 meters.	Perennial deciduous shrub	Apr to May	<b>Not Likely to Occur.</b> Recorded over 15 miles south of the site. Project site is outside of the range for this species. Marginally suitable chamise habitat occurs within the project site. Not observed during focused plant survey.
<i>Texosporium sancti-jacobi</i>	Woven-spored lichen	None	None	n/a	n/a	Occurs in southern mixed chaparral on rocky outcrops. Elevation Limits: 10 to 600 meters.	Lichen	n/a	<b>Not Likely to Occur.</b> Recorded over 2 miles south of the site. No suitable rocky chaparral habitat occurs within the project site. Not observed during focused plant survey.
<i>Triquetrella californica</i>	Coastal triquetrella	None	None	1B.2	n/a	Coastal bluff scrub/coastal scrub. Elevation Limits: 10 to 100 meters.	Moss	n/a	<b>Not Likely to Occur.</b> Recorded over 6 miles northeast of the site. Project site is above the elevation range for this species. Project site contains open scrub habitat with little to no complete canopy cover. Therefore, no suitable shaded habitat occurs within the project site.

Species		Status				Preferred Habitat	Life Form	Blooming Period	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	USFWS	CDFG	CNPS	SDC MSCP				
<b>U.S. Fish and Wildlife Service</b>		<b>California Department of Fish and Game</b>				<b>California Native Plant Society</b>		<b>San Diego County (SDC)</b> <i>San Diego County Sensitive</i>	
FE	Federal Endangered	CE	California Endangered			1A	Plants presumed extinct in California.	List A: Plants rare, threatened or endangered in California and elsewhere	
FT	Federal Threatened	CT	California Threatened			1B	Plants rare, threatened, or endangered in California and elsewhere.		
PE	Proposed Endangered	CR	California Rare			2	Plants rare, threatened, or endangered in California, but more common elsewhere.	List B: Plants rare, threatened or endangered in California but more common elsewhere	
PT	Proposed Threatened					3	Plants in need of more information.	List C: Plants which may be rare, but need more information to determine their true rarity status	
FC	Federal Candidate					4	Plants of limited distribution.	List D: Plants of limited distribution and are uncommon, but not presently rare or endangered	
FSC	Species of Concern*					*.1	Seriously threatened in California (high degree/immediacy of threat)	Not Listed: Species not listed by San Diego County  Proposed North County Multiple Species Conservation Plan	
						*.2	Fairly threatened in California (moderate degree/immediacy of threat)		
						*.3	Not very threatened in California (low degree/immediacy of threats or no current threats known)		
* No longer recognized as a federal designation.									

**Not Likely to Occur** - There are no present or historical records of the species occurring on or in the immediate vicinity, (within 5 miles) of the Project site and the diagnostic habitats strongly associated with the species do not occur on or in the immediate vicinity of the site.

**Low Potential to Occur** - There is a historical record of the species in the vicinity of the Project site and potentially suitable habitat onsite, but existing conditions, such as density of cover, prevalence of non-native species, evidence of disturbance, limited habitat area, isolation, substantially reduce the possibility that the species may occur.

**Moderate Potential to Occur** - The diagnostic habitats associated with the species occur on or in the immediate vicinity of the Project site, and there is a recorded occurrence of the species within the greater vicinity (within 5 miles). Some species that contain extremely limited distributions may be considered moderate, even if there is a recorded occurrence in the immediate vicinity.

**High Potential to Occur** - There is both suitable habitat associated with the species and a historical record of the species on or in the immediate vicinity of the Project site (within 3 miles).

**Species Present** - The species was observed on the Project site at the time of the survey or during a previous biological survey.

Table 2: Special Status Wildlife Species Table

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<b>Invertebrates</b>						
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	FE	None	Group 1, MSCP	Occurs in high quality vernal pool complexes associated with ponded areas with relative cool water with moderate to high water quality characteristics.	<b>Not Likely to Occur.</b> Recorded over 3 miles west of the site. Project site is outside of the known vernal pool complex area of within San Diego. No suitable vernal pool habitat occurs within the project site.
<i>Callophrys thornei</i>	Thorne's hairstreak	None	None	Group 1, NC	Found in wetland meadows and seeps, valley and foothill grasslands and vernal pool wetlands.	<b>Not Likely to Occur.</b> Recorded over 12 miles southeast of the site. Project site is outside of the range for this species. No suitable wetland or marsh habitat occurs within the project site.
<i>Cicindela gabbii</i>	Western tidal-flat tiger beetle	None	None	Group 2, NC	Occurs in estuaries and mud flats along the shore.	<b>Not Likely to Occur.</b> Recorded over 15 miles west of the site. Project site is outside of the range for this species. No suitable chamise habitat occurs within the project site.
<i>Cicindela hirticollis grvida</i>	Sandy beach tiger beetle	None	None	Group 2, NC	Occurs in coastal dune along the shore.	<b>Not Likely to Occur.</b> Recorded over 13 miles west of the site. Project site is outside of the range for this species. No suitable chamise habitat occurs within the project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Cicindela latesignata latesignata</i>	Western beach tiger beetle	None	None	Group 2, NC	Occurs in mud flats along the shore.	<b>Not Likely to Occur.</b> Recorded over 15 miles southwest of the site. Project site is outside of the range for this species. No suitable chamise habitat occurs within the project site.
<i>Cicindela senilis frosti</i>	Senile tiger beetle	None	None	Group 2, NC	Occurs in estuaries, mud flats, and wetlands along the shore.	<b>Not Likely to Occur.</b> Recorded over 15 miles northwest of the site. Project site is outside of the range for this species. No suitable chamise habitat occurs within the project site.
<i>Coelus globosus</i>	Globose dune beetle	None	None	Group 1, NC	Occurs in coastal dune areas	<b>Not Likely to Occur.</b> Recorded over 13 miles west of the site. Project site is outside of the range for this species. No suitable chamise habitat occurs within the project site.
<i>Danaus plexippus</i>	Monarch butterfly	None	None	Group 2, NC	Commonly found in closed cone coniferous forest along the coast.	<b>Not Likely to Occur.</b> Recorded over 11 miles west of the site. Project site is outside of the range for this species. No suitable trees or occur within the project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Euphydryas editha quino</i>	Quino checkerspot butterfly	FE	None	Group 1, NC	Found on grassy openings in vegetation on hills and mesas near the coast with high density of food plants ( <i>Plantago erecta</i> , <i>P. insularis</i> , <i>Orthocarpus purpurescens</i> )	<b>Moderate potential to occur.</b> Record occurrence within 3 miles west of the site. Only a few individual host plants onsite. Marginal quality habitat. Mission Trails population was believed to be eliminated due to 2007 fire.
<i>Lycaena hermes</i>	Hermes copper	None	None	Group 1, NC	Found in mixed woodlands, chaparral, and coastal sage scrub habitats. Spiny redberry is the known host plant and is closely associated with California buckwheat within 10 feet of the host plant.	<b>Moderate potential to occur.</b> Record occurrence within 3 miles of the site. Only a few individual host plants onsite were observed near buckwheat. Marginal quality habitat. Populations do not recover well from fires. No Hermes copper butterflies were observed during protocol surveys.
<i>Melitta californica</i>	A mellitid bee	None	None	N/A	No required habitat listed in the CNNDDB database.	<b>Not Likely to Occur.</b> Recorded over 13 miles southwest of the site. Project site is outside of the range for this species. Species is restricted to coastal areas.
<i>Panoquina errans californica</i>	Wandering skipper	None	None	N/A	Occurs in marshes, swamps, and wetlands	<b>Not Likely to Occur.</b> Recorded over 14 miles southwest of the site. Project site is outside of the range for this species. No suitable chamise habitat occurs within the project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	FE	None	Group 1, MSCP	Occurs in vernal pool areas, specifically ponded areas that have deep prolonged inundation for greater than 30 days.	<b>Not Likely to Occur.</b> Recorded over 4 miles northwest of the site. No suitable vernal pool habitat occurs within the project site.
<i>Tryonia imitator</i>	Mimic tryonia	None	None	Group 2, NC	Occurs in aquatic brackish water marshes, estuaries, lagoons, marshes, swamps, salt marshes, and similar wetland areas.	<b>Not Likely to Occur.</b> Recorded over 12 miles west of the site. Project site is outside of the range for this species. No suitable marsh habitat occurs within the project site.
<b>Reptiles and Amphibians</b>						
<i>Aspidoscelis hyperythrus</i>	Orange-throated whiptail	None	DFG: SSC	Group 2, MSCP	Coastal scrub, chaparral, and valley and foothill hardwood habitats. Prefers washes and sandy areas with patches of brush and rocks. Perennial plants required to support its primary prey termites.	<b>Moderate potential to occur.</b> Recorded occurrence within 1 mile south of the Project site. Marginal quality habitat within the Project site.
<i>Aspidoscelis tigris stejnegeri</i>	Coastal western whiptail	None	None	Group 2, NC	It lives in a wide variety of habitats, including deserts and semiarid shrublands, usually in areas with sparse vegetation; also woodland, open dry forest, and riparian growth	<b>Present</b> Recorded over 3 miles east of the site. Project site is within the known range for this species. Suitable scrub habitat occurs within the project site.
<i>Anaxyrus californicus</i>	Arroyo toad	FE	None	Group 1, MSCP	This species can be found in semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, along rivers with sandy banks, willows, cottonwoods, and sycamores, specifically in loose, gravelly areas of streams in drier parts of its range.	<b>Low potential to occur.</b> Recorded occurrence over 10 miles northeast of the site. No suitable habitat within the Project site. Marginal quality habitat in the biological survey area.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Anniella pulchra</i>	Silvery legless lizard	None	None	Group 2, NC	Occurs in loose, sandy soils or leaf litter, typically in sand dunes along the coast as well as sandy areas within coastal sage scrub and chaparral areas.	<b>Not Likely to Occur.</b> Recorded over 7 miles east of the site. No suitable sandy areas occur within the project site. No suitable leaf litter areas as well.
<i>Charina trivirgata</i>	Rosy boa	None	None	Group 2, NC	This species is known to occur within chaparral and desert habitats from the coast to the Mojave and Colorado deserts. Prefers moderate to dense vegetation and rocky cover. Specifically inhabits a mix of brushy cover and rocky soil, coastal canyons and hillsides, desert canyons, washes and mountains.	<b>Low potential to occur.</b> There is a recorded occurrence of this species four miles north of the site. Moderately suitable habitat occurs within the rocky chaparral areas of the Project site.
<i>Chelonia mydas</i>	Green sea turtle	FT	None	n/a	Occurs in marine bays off the coast of San Diego.	<b>Not Likely to Occur.</b> Recorded over 15 miles southwest of the site. Project site is outside of the range for this species. No suitable chamise habitat occurs within the project site.
<i>Crotalus ruber ruber</i>	Northern red diamond rattlesnake	None	DFG: SSC	Group 2, NC	Occurs from coastal San Diego County to the eastern slopes of the mountains and in desert habitats. Occurs from sea level to 2,400 feet in chaparral, woodland, and arid desert habitats in rocky areas and dense vegetation.	<b>High potential to occur.</b> Species recorded within 1 mile north of the Project site. No suitable habitat occurs within the Project site. Marginally suitable habitat occurs within the biological survey area.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Diadophis punctatus similis</i>	San Diego ringneck snake	None	None	Group 2, NC	Wet meadows and moist rocky hillsides, gardens, farmlands, grassland, chaparral, mixed coniferous forests, and woodlands.	<b>Low potential to occur.</b> There is a recorded occurrence eight miles west of the site. Moderately suitable habitat occurs within the wetland portion of the biological survey area.
<i>Plestiodon skiltonianus interparietalis</i>	Coronado Island skink	None	DFG: SSC	Group 1, NC	Occurs in grassland, chaparral, pinon-juniper and juniper sage woodland, pine-oak and pine forest habitats in the coastal ranges of Southern California. The species prefers early successional stages or open areas. Typically found in rocky areas close to streams and on dry hillsides.	<b>Present.</b> Species was observed in the northern portions of the Project site. Suitable habitat occurs within the Project site and biological survey area.
<i>Phrynosoma blainvillei</i>	San Diego horned lizard	None	DFG: SSC	Group 2, NC	Inhabits coastal sage scrub and chaparral in arid and semi-arid climate conditions and prefers friable, rocky, or shallow sandy soils.	<b>Low potential to occur.</b> There is a recorded occurrence 3 miles south of the site. Moderately suitable habitat occurs within the biological survey area.
<i>Salvadora hexalepis virgultea</i>	Coast patch-nosed snake	None	DFG: SSC	Group 2, NC	desert habitat, chaparral, washes and sandy flats	<b>Low potential to occur.</b> There is a recorded occurrence 3 miles south of the site. Moderately suitable habitat occurs within the biological survey area.
<i>Spea hammondi</i>	Western spadefoot toad	None	DFG: SSC	Group 2, NC	Found in coastal sage scrub, chaparral, and grassland habitats, but most common in grasslands with vernal pools or mixed grassland/CSS habitats.	<b>Low potential to occur.</b> There is a recorded occurrence two miles north of the site. Moderately suitable habitat occurs within the biological survey area.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Thamnophis hammondi</i>	Two-striped garter snake	None	DFG: SSC	Group 1, NC	This species is known to occur in coastal California from the vicinity of Salinas to northwest Baja California from sea level to about 7,000 feet in elevation. It is highly aquatic and found in or near permanent fresh water, often along streams with rocky beds and riparian growth.	<b>Low potential to occur.</b> There is a recorded occurrence three miles east of the site. Moderately suitable habitat occurs within the biological survey area.
<b>Avian</b>						
<i>Accipiter cooperi</i>	Cooper's hawk	None	None	Group 1, MSCP	(Nesting) Open, uninterrupted, or marginal type woodlands. Nest sites in riparian growths of deciduous trees, live oaks. Also other various forest habitats that are near water. Dense woodlands and forests are primary foraging habitat for this accipiter.	<b>Present.</b> Species observed nesting within the southwestern portion of the biological survey area. No suitable nesting habitat within the Project site.
<i>Agelaius tricolor</i>	Tricolored blackbird	None	DFG: SSC	Group 1, MSCP	Open grassland, farmland, lakeshores, or scrub for foraging; requires wetlands with tall emergent vegetation for breeding	<b>Not likely to occur.</b> No record of the species within 5 miles of the site. No suitable habitat within the Project site.
<i>Aimophila ruficeps canescens</i>	Southern rufous-crowned sparrow	None	DFG: SSC	Group 1, MSCP	Resident in southern California coastal sage scrub and sparse mixed chaparral.	<b>Present.</b> Species observed foraging within the western portion of the biological survey area. No suitable nesting habitat within the Project site.
<i>Ammodramus savannarum</i>	Grasshopper sparrow	None	None	Group 1, NC	Coastal lowlands in undisturbed grassland with tall dense grasses	<b>Low potential to occur.</b> There is a recorded occurrence three miles east of the site. Moderately suitable habitat occurs within the biological survey area.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Amphispiza belli belli</i>	Bell's sage sparrow	None	DFG: SSC	Group 1, NC	Vertical structure, habitat patchiness, and vegetation density may be more important in habitat selection by the species than the specific shrub species, but is closely associated with sagebrush. Common, but localized resident breeder in dry chaparral and coastal sage scrub along the coastal lowlands, inland valley, and in the lower foothills of local mountains. The preference for chamise chaparral appears to occur only in the more northern parts of its range.	<b>Moderate potential to occur.</b> Species recorded within 5 miles of the site. Marginally suitable habitat occurs across the site.
<i>Aquila chrysaetos</i>	Golden eagle	Eagle Protection Act	CDFG:FP	Group 1, MSCP	(Nesting and Wintering) Rolling foothills and mountain areas, juniper-sage flats, and deserts. Primarily associated with cliff-walled canyons and large trees in open habitats for nesting. Shrub-steppe and native grassland communities provide important foraging habitat. Also carrion.	Low potential to occur. There is a recorded occurrence 10 miles northeast of the site. No suitable nesting habitat occurs within the survey area.
<i>Athene cunicularia</i>	Burrowing owl	None	DFG: SSC	Group 1, MSCP	Open grasslands, desert, and sparse scrublands with low-growing vegetation. Subterranean nester, dependent upon pre-existing burrow, most commonly from ground squirrels.	<b>Low potential to occur.</b> There is a recorded occurrence six miles southwest of the site. Moderately suitable habitat occurs within the biological survey area, but vegetation is too dense. No suitable burrows were observed within the biological survey area.
<i>Campylorhynchus brunneicapillus cousei</i>	Coastal cactus wren	None	DFG: SSC	Group 1, MSCP	Occurs in southern California coastal sage scrub vegetation. This wren require tall <i>Opuntia</i> cactus for nesting and roosting.	<b>Low potential to occur.</b> There is a recorded occurrence two miles southeast of the site. A few small patches of cactus occur within the Project site, but not suitable for this species.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Charadrius alexandrinus nivosus</i>	Western snowy plover	FT	DFG: SSC	Group 1, MSCP	Occurs in standing water within the Great Basin and along sandy shores and wetlands.	<b>Not Likely to Occur.</b> Recorded over 12 miles southwest of the site. Project site is outside of the range for this species. No suitable coastal shore habitat occurs within the project site.
<i>Coccyzus americanus occidentalis</i>	Western yellow-billed cuckoo	FC	SE	Group 1, NC	Occurs in dense riparian forest areas.	<b>Not Likely to Occur.</b> Recorded over 13 miles south of the site. No suitable riparian habitat occurs within the project site.
<i>Dendroica petechia brewsteri</i>	Yellow warbler	None	DFG: SSC	Group 2, NC	This species is associated with riparian areas, preferring to nest within willows, cottonwoods, aspens, sycamores and alders. Also known to nest in montane shrubs in open conifer forests.	<b>Moderate potential to occur.</b> Species recorded within 2 mile south of the site along the San Diego River. Marginally suitable habitat occurs within the southwestern portion of the biological survey area.
<i>Elanus leucurus</i>	White tailed kite	None	CDFG:FP	Group 1, MSCP	Open savanna, grasslands, and fields	<b>Low potential to occur.</b> Present, observed flying over Project site during reconnaissance level survey. No suitable nesting habitat onsite.
<i>Empidonax traillii extimus</i>	Southern willow flycatcher	FE	SE	Group 1, MSCP	Occurs in dense riparian forest areas.	<b>Not Likely to Occur.</b> Recorded over 10 miles south of the site. No suitable riparian habitat occurs within the project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Eremophila alpestris actia</i>	California horned lark	None	DFG: SSC	Group 2, NC	prairies, fields, golf courses, shores, airports	<b>Moderate potential to occur.</b> Species recorded within two miles north of the site. Marginally suitable habitat occurs within the biological survey area.
<i>Falco mexicanus</i>	Prairie falcon	None	DFG: SSC	Group 1, NC	Occurs in dry, open county, and prairies	Low potential to occur. Species recorded within three mile northeast of the site. Marginally suitable foraging habitat occurs within the biological survey area.
<i>Falco peregrinus anatum</i>	American peregrine falcon	Delisted	Delisted DFG: FP	Group 1, MSCP	Great Basin grasslands, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley, and foothill grassland.	<b>Not Likely to Occur.</b> Recorded over 15 miles southwest of the site. Marginally suitable grassland foraging habitat occurs within the project site. Not likely to nest onsite.
<i>Icteria virens</i>	Yellow-breasted chat	None	DFG: SSC	Group 1, NC	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses. Specifically nests in low, dense riparian vegetation, consisting of willow, blackberry, wild grape. Forages and nests within 10 feet of ground.	Moderate potential to occur. Species recorded within eight miles east of the site along the San Diego River. Marginally suitable habitat occurs within the southwestern portion of the biological survey area.
<i>Ixobrychus exilis</i>	Least bittern	None	DFG: SSC	Group 2, NC	A colonial nester in marshlands and borders of ponds and reservoirs, which provide ample cover. Nests are usually constructed in low tules, over water.	<b>Moderate potential to occur.</b> Species recorded within 1 mile northeast of the site. Marginally suitable habitat occurs within the southwestern portion of the biological survey area.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Laterallus jamaicensis coturniculus</i>	California black rail	None	None	Group 2, NC	Occurs in brackish water marshes, freshwater marsh, marsh and swamps and salt marsh areas.	<b>Not Likely to Occur.</b> Recorded over 11 miles south of the site. Project site is outside of the range for this species. No suitable marsh habitat occurs within the project site.
<i>Pandion haliaetus</i>	Osprey	None	None	Group 2, NC	Occurs in riparian forests near open water areas for foraging.	<b>Not Likely to Occur.</b> Recorded over 14 miles southwest of the site. No suitable riparian habitat occurs within the project site.
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow	None	SE	Group 1, MSCP	Occurs in wetlands, marshes, and swamps	<b>Not Likely to Occur.</b> Recorded over 12 miles west of the site. Project site is outside of the range for this species. No suitable marsh habitat occurs within the project site.
<i>Pelecanus occidentalis californicus</i>	California brown pelican	Delisted	Delisted DFG: FP	Group 2, MSCP	Occurs in open oceans, rocky or sandy seashore, bay islands, coastal islands, shallow coastal habitats, coastal bays coastal mangroves, tidal flats, sand spits, and mudflats.	<b>Not Likely to Occur.</b> Recorded over 15 miles southwest of the site. Project site is outside of the range for this species. No suitable coastal habitat occurs within the project site.
<i>Phalacrocorax auritus</i>	Double-crested cormorant	None	None	Group 2, NC	Occurs in open oceans, rocky or sandy seashore, bay islands, coastal islands, shallow coastal habitats, coastal bays coastal mangroves, tidal flats, sand spits, and mudflats. Also occurs along rocky cliffs along the coast as well as inland.	<b>Not Likely to Occur.</b> Recorded over 10 miles south of the site. No suitable coastal or cliff habitat occurs within the project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Polioptila californica californica</i>	Coastal California gnatcatcher	FT	DFG: SSC	Group 1, MSCP	This species is an obligate, permanent resident of coastal sage scrub below 2,500 feet in Southern California. Specifically inhabits, low, coastal sage scrub in arid washes, on mesa and slopes. Not all areas classified as coastal sage scrub are occupied.	<b>Moderate potential to occur.</b> Species recorded within one mile east of the site within the Sycamore Landfill. Marginally suitable habitat occurs within the Project site. Not observed during focused surveys. .
<i>Rallus longirostris levipes</i>	Light-footed clapper rail	FE	SE	Group 1, MSCP	Occurs in marshes, swamps, and salt marshes along the coast	<b>Not Likely to Occur.</b> Recorded over 12 miles southwest of the site. Project site is outside of the range for this species. No suitable chamise habitat occurs within the project site.
<i>Sternula antillarum browni</i>	California least tern	FE	SE DFG: SSC	Group 1, MSCP	Occurs on sea beaches, bays, large rivers, salts flats. Nests in colonies along the beaches and sand bars.	<b>Not Likely to Occur.</b> Recorded over 11 miles west of the site. Project site is outside of the range for this species. No suitable beach or san bar habitat occurs within the project site.
<i>Vireo bellii pusillus</i>	Least Bell's vireo	FE	SE	Group 1, MSCP	Least Bell's vireo is a summer resident of Southern California inhabiting low riparian habitats in the vicinity of water or in dry river bottoms below 2,000 feet. Its nests are placed along margins of bushes or on twigs projecting into pathways, usually willow, baccharis, and/or mesquite.	<b>High potential to occur.</b> Species recorded within one mile south of the site along the San Diego River. Marginally suitable habitat occurs within the southwestern portion of the biological survey area. Species was observed downstream of the Project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<b>Mammals</b>						
<i>Chaetodipus californicus femoralis</i>	Dulzura pocket mouse	None	DFG: SSC	Group 2, NC	Variety of habitats including coastal scrub, chaparral, and grasslands in San Diego County. Associated with grass-chaparral edges.	<b>Moderate potential to occur.</b> Species recorded within two miles southwest of the site along the San Diego River. Marginally suitable habitat occurs within the northwestern portion of the biological survey area. However, this area contains steep slopes.
<i>Chaetodipus fallax fallax</i>	Northwestern San Diego pocket mouse	None	DFG: SSC	Group 2, NC	Found in coastal scrub, chaparral, grasslands, and sagebrush, among other low-lying habitat types, in western San Diego County.	<b>Moderate potential to occur.</b> Species recorded within two miles southwest of the site along the San Diego River. Marginally suitable habitat occurs within the Project site.
<i>Choeronycteris mexicana</i>	Mexican long-tongued bat	None	None	Group 2, NC	Occurs in pinyon and juniper woodland, riparian scrub, Sonoran thorn woodland.	<b>Not Likely to Occur.</b> Recorded over 6 miles north of the site. No suitable woodland habitat occurs within the project site.
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	None	DFG: SSC	Group 2, NC	Found in desert scrub and coniferous forests. Roosts in caves or abandoned mines, occasionally in buildings.	<b>Not Likely to Occur.</b> Recorded over 10 miles southeast of the site. No suitable desert scrub or coniferous forest habitat occurs within the project site. No suitable roosting habitat within the project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Euderma maculata</i>	Spotted bat	None	DFG: SSC	Group 2, NC	Lives in desert scrub and open forest areas. Roosts in cliff faces and rock crevices.	<b>Not Likely to Occur.</b> Recorded over 11 miles west of the site. No suitable desert scrub or cliff face habitat occurs within the project site.
<i>Eumops perotis californicus</i>	Western mastiff bat	None	DFG: SSC	Group 2, NC	Lives in rocky areas and cliff faces. Roosts in cliff crevices and buildings	<b>Not Likely to Occur.</b> Recorded over 3 miles south of the site. No suitable cliff areas occur within the project site. Not observed during focused plant survey.
<i>Lasionycteris noctivagans</i>	Silver-haired bat	None	None	n/a	Lives in forested areas, roosts under bark and in tree hollows.	<b>Not Likely to Occur.</b> Recorded over 11 miles southwest of the site. Project site is outside of the range for this species. No suitable habitat occurs within the project site.
<i>Lasiurus blossevillii</i>	Western red bat	None	DFG: SSC	Group 2, NC	Usually among dense foliage, in forests and wooded areas, making long migrations from the northern latitudes to warmer climes for winter, sometimes hibernates in tree hollows or woodpecker holes.	<b>Not Likely to Occur.</b> Recorded over 3 miles south of the site. No suitable forest habitat occurs within the project site.
<i>Lasiurus cinereus</i>	Hoary bat	None	None	n/a	Usually among dense foliage, in evergreen forests and wooded areas. Occurs in small numbers, rarely seen.	<b>Not Likely to Occur.</b> Recorded over 3 miles south of the site. No suitable forest habitat occurs within the project site.
<i>Lasiurus xanthinus</i>	Western yellow bat	None	None	n/a	Found in wooded areas and desert scrub. Roosts in foliage, particularly in palm trees.	<b>Not Likely to Occur.</b> Recorded over 4 miles south of the site. No suitable woodland habitat occurs within the project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	None	DFG: SSC	Group 2, NC	Typically occurs in coastal scrub throughout Southern California. Prefers moderate to dense canopies and are particularly abundant in rock outcrops, and rocky cliffs and slopes.	<b>Low potential to occur.</b> Species observed within two miles west of the Project site, marginally suitable habitat occurs on the Project site.
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	None	DFG: SSC	Group 2, NC	Open desert scrub with suitable cover and burrowing substrate. Burrows beneath desert shrubs and loose friable soils.	<b>Present.</b> Species detected within the western portion of the Project site. Individuals were not observed within the Project site. This species is not likely to occur within the Project site, but is present in the biological survey area.
<i>Antrozous pallidus</i>	Pallid bat	None	DFG: SSC	Group 2, NC	Roosts in rock crevices, tree hollows, mines, caves and a variety of anthropogenic structures, including vacant and occupied buildings. Tree roosting has been documented in large conifer snags, inside basal hollows of redwoods and giant sequoias, and bole cavities in oaks. They have also been reported roosting in stone piles.	<b>Low potential to occur.</b> Species observed within three miles east of the Project site, no suitable habitat occurs on the Project site.
<i>Myotis ciliolabrum</i>	Small-footed myotis	None	None	Group 2, NC	Wide range of habitat types however primarily within arid wooded and brushy uplands, including open stands in forests and woodlands, adjacent to water. Caves, buildings, mines, and crevices used for refuge.	<b>Not Likely to Occur.</b> Species observed within ten miles southeast of the Project site, no suitable habitat occurs on the Project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Myotis evotis</i>	Long-eared myotis	None	None	Group 2, NC	Lives in coniferous forests in mountain areas, roosts in small colonies in caves, buildings and under tree bark.	<b>Not Likely to Occur.</b> Species observed within ten miles southeast of the Project site, no suitable coniferous forest habitat occurs on the Project site.
<i>Myotis yumanensis</i>	Yuma myotis	None	None	Group 2, NC	Always found near lakes, creeks or ponds. Roosts by day under building sidings or shingles. Nursery colonies choose caves, mines, buildings or under bridges.	<b>Not Likely to Occur.</b> Species observed within 3 miles southwest of the Project site, no suitable lakes or ponded areas within the project site. Also, no buildings or cave habitat occurs on the Project site.
<i>Nyctinomops femorosaccus</i>	Pocketed free-tailed bat	None	DFG: SSC	Group 2, NC	Lives in deserts and sage scrub, roosts in rocky crevices.	<b>Low potential to occur.</b> Species observed within 3 miles southwest of the Project site. Marginally quality coastal sage scrub habitat occurs on the Project site; however, there is no suitable roosting habitat. .
<i>Nyctinomops macrotis</i>	Big free-tailed bat	None	DFG: SSC	Group 2, NC	Lives in rocky areas of desert scrub or coniferous forests. Roosts by day in crevices on cliff faces.	<b>Not Likely to Occur.</b> Species observed within 3 miles southwest of the Project site. No suitable rocky habitat or coniferous forests occur on the Project site.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	FE	DFG: SSC	Group 1, NC	Coastal sage scrub areas near the coast.	<b>Not Likely to Occur.</b> Species observed within 14 miles northwest of the Project site. No suitable habitat occurs on the Project site. Project site is outside of the know range for this species.
<i>Taxidea taxus</i>	American badger	None	None	Group 2, MSCP	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	<b>Low potential to occur.</b> No record of the species within six miles east of the site. No suitable habitat within the Project site.
<i>Odocoileus hemionus</i>	Southern mule deer	None	None	Group 2, MSCP	Mule deer occupy a wide range of habitat types within their home range. In San Diego County, this species prefers more arid, open situations.	<b>Low potential to occur.</b> Vegetation on the site is mostly grasslands with several meandering trails. No evidence of the species was observed during the surveys.
<i>Felis concolor</i>	Mountain lion	None	None	Group 2, MSCP	Uses rocky areas, cliffs, and ledges that provide cover within open woodlands and chaparral, as well as riparian areas that provide protective habitat connections for movement between fragmented core habitats. Also, need both vertical and horizontal cover components, such as rocks and downed logs, to feel secure enough to bed. Typically associated with populations of the species primary prey, mule deer.	<b>Low potential to occur.</b> No evidence of deer was observed within the Project site. No evidence of the species was observed during the surveys.

Species		Status			Required Habitat	Potential to Occur/ Known Occurrence/ Suitable Habitat
Scientific Name	Common Name	Federal	State	SDC		
<b>Federal</b>		<b>State</b>			<b>San Diego County</b>	
FE	Federal Endangered	SE	State Endangered		Sensitive Animal Lists	
FT	Federal Threatened	ST	State Threatened		Group 1: High Sensitivity; species listed or has specific local natural history requirements	
FSC	Federal Species of Concern	DFG:SSC	California Species of Concern		Group 2: Species declining, but not in immediate threat of extinction or extirpation	
PFT	Proposed Federal Threatened	CDFG:FP	Fully Protected Species		MSCP: Species Covered Under MSCP (2001)	
C	Candidate for Federal Listing	CDFG: P	Protected Species		NC: Species Not Covered Under MSCP (2001)	
D	Delisted					
<p><b>Not Likely to Occur</b> - There are no present or historical records of the species occurring on or in the immediate vicinity, (within 5 miles) of the Project site and the diagnostic habitats strongly associated with the species do not occur on or in the immediate vicinity of the site.</p> <p><b>Low Potential to Occur</b> - There is a historical record of the species in the vicinity of the Project site and potentially suitable habitat onsite, but existing conditions, such as density of cover, prevalence of non-native species, evidence of disturbance, limited habitat area, isolation, substantially reduce the possibility that the species may occur.</p> <p><b>Moderate Potential to Occur</b> - The diagnostic habitats associated with the species occur on or in the immediate vicinity of the Project site, and there is a recorded occurrence of the species within the greater vicinity (within 5 miles). Some species that contain extremely limited distributions may be considered moderate, even if there is a recorded occurrence in the immediate vicinity.</p> <p><b>High Potential to Occur</b> - There is both suitable habitat associated with the species and a historical record of the species on or in the immediate vicinity of the Project site (within 3 miles).</p> <p><b>Species Present</b> - The species was observed on the Project site at the time of the survey or during a previous biological survey.</p>						

**ATTACHMENT B.4  
SPECIES COMPENDIUM**

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## Flora Compendia

<b>Selaginellaceae</b>		<b>Spike-Moss Family</b>
<i>Selaginella</i>	<i>bigelovii</i>	Bigelow's spike-moss
<b>Pteridaceae</b>		<b>Brake Family</b>
<i>Pellaea</i>	<i>andromedifolia</i>	coffee fern
<i>Pentagramma</i>	<i>triangularis</i>	goldenback fern
<b>Adoxaceae</b>		<b>Honeysuckle Family</b>
<i>Sambucus</i>	<i>mexicana</i>	blue elderberry
<b>Anacardiaceae</b>		<b>Sumac or Cashew Family</b>
<i>Malosma</i>	<i>laurina</i>	laurel sumac
<i>Rhus</i>	<i>integrifolia</i>	lemonadeberry
<i>Toxicodendron</i>	<i>diversilobum</i>	poison oak
<b>Apiaceae</b>		<b>Carrot Family</b>
<i>Bowlesia</i>	<i>incana</i>	bowlesia
<i>Foeniculum</i>	<i>vulgare</i>	fennel
<i>Lomatium</i>	<i>lucidum</i>	shiny lomatium
<i>Sanicula</i>	<i>bipinnatifida</i>	purple sancile
<i>Sanicula</i>	<i>bipinnatifida</i>	purple sancile
<b>Asteraceae</b>		<b>Sunflower Family</b>
<i>Agoseris</i>	<i>sp.</i>	unknown dandelion species
<i>Ambrosia</i>	<i>psilostachya</i>	western ragweed
<i>Artemisia</i>	<i>californica</i>	California sagebrush
<i>Bahiopsis</i>	<i>laciniata</i>	San Diego County viguiera
<i>Brickellia</i>	<i>californica</i>	California brickellbush
<i>Centaurea</i>	<i>solstitialis</i>	yellow star-thistle
<i>Corethrogyne</i>	<i>filaginifolia</i>	California aster
<i>Cynara</i>	<i>cardunculus</i>	cardoon
<i>Deinandra</i>	<i>fasciculata</i>	clustered tarweed
<i>Ericameria</i>	<i>pinifolia</i>	pinebush
<i>Gnaphalium</i>	<i>bicolor</i>	bicolored cudweed
<i>Gnaphalium</i>	<i>californicum</i>	California everlasting
<i>Helminthotheca</i>	<i>echioides</i>	bristly ox-tongue
<i>Hypochaeris</i>	<i>glabra</i>	smooth cat's-ear
<i>Lactuca</i>	<i>serricola</i>	prickly lettuce
<i>Lasthenia</i>	<i>californica</i>	California goldfields
<i>Logfia</i>	<i>gallica</i>	narrowleaf cottonrose
<i>Osmadenia</i>	<i>tenella</i>	southern rosinweed
<i>Pseudognaphalium</i>	<i>canescens</i>	everlasting cudweed
<i>Pseudognaphalium</i>	<i>stramineum</i>	cotton-batting
<i>Silybum</i>	<i>marianum</i>	milk thistle
<i>Sonchus</i>	<i>oleraceus</i>	common sow thistle

## Flora Compendia

<i>Stephanomeria</i>	<i>diegensis</i>	wreathplant
<i>Symphytotrichum</i>	<i>lanceolatum</i>	white panicle aster
<i>Uropappus</i>	<i>lindleyi</i>	Uropappus
<i>Xanthium</i>	<i>strumarium</i>	cocklebur
<b>Brassicaceae</b>		<b>Mustard Family</b>
<i>Brassica</i>	<i>nigra</i>	black mustard
<i>Hirschfeldia</i>	<i>incana</i>	short-podded mustard
<i>Lepidium</i>	<i>nitidum</i>	shining peppergrass
<b>Cactaceae</b>		<b>Cactus Family</b>
<i>Cylindropuntia</i>	<i>california var. parkeri</i>	cane cholla
<i>Ferocactus</i>	<i>viridescens</i>	San Diego barrel cactus
<i>Opuntia</i>	<i>littoralis</i>	coastal prickly pear
<b>Caryophyllaceae</b>		<b>Pink Family</b>
<i>Silene</i>	<i>gallica</i>	small-flower catchfly
<i>Silene</i>	<i>laciniata ssp. californica</i>	California Indian pink
<b>Cistaceae</b>		<b>Rock-Rose Family</b>
<i>Helianthemum</i>	<i>scoparium</i>	peak rush-rose
<b>Convolvulaceae</b>		<b>Morning-Glory Family</b>
<i>Convolvulus</i>	<i>tricolor</i>	bindweed
<i>Cuscuta</i>	<i>californica</i>	California dodder
<b>Crassulaceae</b>		<b>Stonecrop Family</b>
<i>Dudleya</i>	<i>edulis</i>	ladie's-fingers
<i>Dudleya</i>	<i>lanceolata</i>	lance-leaved dudleya
<i>Dudleya</i>	<i>pulverulenta</i>	chalk dudleya
<i>Dudleya</i>	<i>variegata</i>	variegated liveforever
<b>Cucurbitaceae</b>		<b>Gourd Family</b>
<i>Marah</i>	<i>macrocarpus</i>	wild cucumber
<b>Euphorbiaceae</b>		<b>Spurge Family</b>
<i>Croton</i>	<i>setigerus</i>	dove weed
<b>Fabaceae</b>		<b>Legume Family</b>
<i>Lotus</i>	<i>purshianus</i>	Spanish clover
<i>Lotus</i>	<i>scoparius</i>	common deerweed
<i>Lotus</i>	<i>strigosus</i>	strigose lotus
<i>Lupinus</i>	<i>bicolor</i>	miniature lupine
<i>Lupinus</i>	<i>truncatus</i>	blunt leaved lupine
<i>Trifolium</i>	<i>ciliolatum</i>	foothill clover
<b>Fagaceae</b>		<b>Oak Family</b>
<i>Quercus</i>	<i>berberidifolia</i>	scrub oak
<b>Gentianaceae</b>		<b>Gentian Family</b>

## Flora Compendia

<i>Centaurium</i>	<i>venustum</i>	charming centaury
<i>Centaurium</i>	<i>venustum</i>	charming centaury
<b>Geraniaceae</b>		<b>Geranium Family</b>
<i>Erodium</i>	<i>botrys</i>	longe beak stork's bill
<i>Erodium</i>	<i>cicutarium</i>	red-stemmed stork's bill
<i>Erodium</i>	<i>moschatum</i>	musky stork's bill
<b>Grossulariaceae</b>		<b>Gooseberry Family</b>
<i>Ribes</i>	<i>speciosum</i>	fuchsia-flowered gooseberry
<b>Hydrophyllaceae</b>		<b>Waterleaf Family</b>
<i>Eriodictyon</i>	<i>crassifolium</i>	thick-leaved yerba santa
<i>Phacelia</i>	<i>cicutaria</i>	caterpillar phacelia
<b>Lamiaceae</b>		<b>Mint Family</b>
<i>Salvia</i>	<i>apiana</i>	white sage
<i>Salvia</i>	<i>columbariae</i>	chia
<i>Salvia</i>	<i>mellifera</i>	black sage
<b>Malvaceae</b>		<b>Mallow Family</b>
<i>Malacothamnus</i>	<i>fasciculatus</i>	mesa bushmallow
<i>Malva</i>	<i>parviflora</i>	cheeseweed
<b>Myrsinaceae</b>		<b>Myrsine Family</b>
<i>Anagallis</i>	<i>arvensis</i>	scarlet pimpernel
<b>Nyctaginaceae</b>		<b>Four O'Clock Family</b>
<i>Mirabilis</i>	<i>laevis var. crassifolia</i>	California wishbone bush
<b>Onagraceae</b>		<b>Evening Primrose Family</b>
<i>Clarkia</i>	<i>gracilis</i>	slender clarkia
<i>Clarkia</i>	<i>purpurea</i>	wine cup clarkia
<i>Clarkia</i>	<i>unguiculata</i>	elegant clarkia
<b>Polygonaceae</b>		<b>Buckwheat Family</b>
<i>Chorizanthe</i>	<i>staticoides</i>	turkish rugging
<i>Eriogonum</i>	<i>fasciculatum</i>	California buckwheat
<i>Eriogonum</i>	<i>fasciculatum</i>	California buckwheat
<i>Rumex</i>	<i>crispus</i>	curly dock
<b>Ranunculaceae</b>		<b>Buttercup Family</b>
<i>Delphinium</i>	<i>californicum</i>	California larkspur
<b>Rhamnaceae</b>		<b>Buckthorn Family</b>
<i>Rhamnus</i>	<i>crocea</i>	redberry buckthorn
<i>Rhamnus</i>	<i>ilicifolia</i>	holly leaf redberry
<b>Rosaceae</b>		<b>Rose Family</b>
<i>Adenostoma</i>	<i>fasciculatum</i>	chamise
<i>Cercocarpus</i>	<i>montanus var. glaber</i>	mountain mahogany

## Flora Compendia

<i>Heteromeles</i>	<i>arbutifolia</i>	toyon
<b>Rubiaceae</b>		<b>Madder Family</b>
<i>Galium</i>	<i>angustifolium</i>	narrow-leaved bedstraw
<i>Galium</i>	<i>aparine</i>	goose grass
<b>Scrophulariaceae</b>		<b>Figwort Family</b>
<i>Antirrhinum</i>	<i>nuttallianum</i>	Nuttall's snapdragon
<i>Castilleja</i>	<i>exserta</i>	purple owl's-clover
<i>Castilleja</i>	<i>subinclusa</i>	longleaf Indian paintbrush
<i>Diplacus</i>	<i>aurantiacus</i> ssp. <i>aurantiacus</i>	sticky-leaf monkeyflower
<i>Diplacus</i>	<i>clevelandii</i>	Cleveland's bush monkeyflower
<i>Mimulus</i>	<i>cardinalis</i>	scarlet monkeyflower
<i>Mimulus</i>	<i>guttatus</i>	seep monkeyflower
<b>Solanaceae</b>		<b>Nightshade Family</b>
<i>Solanum</i>	<i>douglasii</i>	greenspot nightshade
<i>Solanum</i>	<i>xanti</i>	chaparral nightshade
<b>Agavaceae</b>		<b>Agave Family</b>
<i>Chlorogalum</i>	<i>parviflorum</i>	small flower soap plant
<b>Iridaceae</b>		<b>Iris Family</b>
<i>Sisyrinchium</i>	<i>bellum</i>	western blue-eyed grass
<b>Liliaceae</b>		<b>Lilly Family</b>
<i>Calochortus</i>	<i>concolor</i>	golden bowl mariposa lily
<i>Calochortus</i>	<i>splendens</i>	splendid mariposa lily
<b>Poaceae</b>		<b>Grass Family</b>
<i>Avena</i>	<i>barbata</i>	slender oat
<i>Bouteloua</i>	<i>gracilis</i>	blue grama
<i>Bromus</i>	<i>carinatus</i>	California brome
<i>Bromus</i>	<i>diandrus</i>	ripgut brome
<i>Bromus</i>	<i>hordeaceus</i>	soft brome
<i>Bromus</i>	<i>rubens</i>	red brome
<i>Bromus</i>	<i>tectorum</i>	cheat grass
<i>Elymus</i>	<i>glaucus</i>	blue wild rye
<i>Gastridium</i>	<i>phleoides</i>	nit grass
<i>Hordeum</i>	<i>murinum</i> ssp. <i>leporinum</i>	leporinum barley
<i>Hordeum</i>	<i>vulgare</i>	hore barley
<i>Lolium</i>	<i>perenne</i> ssp. <i>multiflorum</i>	Italian rye grass
<i>Lolium</i>	<i>perenne</i> ssp. <i>multiflorum</i>	Italian rye grass
<i>Nassella</i>	<i>cernua</i>	nodding needle grass
<i>Nassella</i>	<i>pulchra</i>	purple needle grass
<i>Pennisetum</i>	<i>setaceum</i>	crimson fountain grass
<i>Schismus</i>	<i>barbatus</i>	common Mediterranean grass

## Flora Compendia

Themidaceae		Brodiaea Family
<i>Bloomeria</i>	<i>clevelandii</i>	San Diego golden star
<i>Dichelostemma</i>	<i>capitatum</i>	blue dicks

## Fauna Compendia

<b>Papilionidae</b>		<b>Swallowtail Butterflies</b>
<i>Papilio</i>	<i>rutulus</i>	western tiger swallowtail
<b>Pieridae</b>		<b>Whites, Sulphurs, and Orangetips</b>
<i>Pieris</i>	<i>rapae</i>	cabbage white
<b>Lycaenidae</b>		<b>Blues and Hairstreaks</b>
<i>Icaricia</i>	<i>acmon</i>	acmon blue
<i>Brephidium</i>	<i>exilis</i>	pygmy blue
<b>Nymphalidae</b>		<b>Brush-Footed Butterflies</b>
<i>Phyciodes</i>	<i>mylitta</i>	mylitta crescent
<i>Precis</i>	<i>coenia</i>	buckeye butterfly
<i>Vanessa</i>	<i>cardui</i>	painter lady
<b>Danaidae</b>		<b>Milkweed Butterflies</b>
<i>Danaus</i>	<i>gillippus</i>	queen
<b>Hesperiidae</b>		<b>Skippers</b>
<i>Erynnis</i>	<i>funeralis</i>	funereal dusky wing
<b>Riodinidae</b>		<b>Metalmarks</b>
<i>Apodemia</i>	<i>mormo virgulti</i>	Behr's metalmark
<i>Calephelis</i>	<i>wrightii</i>	Wright's metalmark
<b>Pompilidae</b>		<b>Spider Wasps</b>
<i>Pepsis</i>	<i>chrysothemis</i>	tarantula hawk
<b>Apidae</b>		<b>Honey Bees and Bumble Bees</b>
<i>Apis</i>	<i>mellifera</i>	honey bee
<b>Hylidae</b>		<b>Treefrogs</b>
<i>Pseudacris</i>	<i>regilla</i>	Pacific treefrog
<b>Phrynosomatidae</b>		<b>Lizards</b>
<i>Sceloporus</i>	<i>occidentalis</i>	western fence lizard
<i>Uta</i>	<i>stansburiana</i>	side-blotched lizard
<b>Scincidae</b>		<b>Skinks</b>
<i>Plestiodon</i>	<i>skiltonianus interparietalis</i>	Coronado skink
<b>Teiidae</b>		<b>Whiptails</b>
<i>Aspidoscelis</i>	<i>tigris</i>	western whiptail
<b>Colubridae</b>		<b>Egg-laying snakes</b>
<i>Lampropeltis</i>	<i>getula californiae</i>	California kingsnake
<b>Cathartidae</b>		<b>Vultures</b>
<i>Cathartes</i>	<i>aura</i>	turkey vulture
<b>Accipitridae</b>		<b>Hawks</b>
<i>Pandion</i>	<i>haliaetus</i>	osprey
<i>Elanus</i>	<i>leucurus</i>	white-tailed kite
<i>Accipiter</i>	<i>cooperii</i>	cooper's hawk

## Fauna Compendia

<i>Buteo</i>	<i>jamaicensis</i>	red-tailed hawk
<b>Columbidae</b>		<b>Pigeons/Doves</b>
<i>Zenaida</i>	<i>macroura</i>	mourning dove
<b>Trochilidae</b>		<b>Hummingbirds</b>
<i>Calypte</i>	<i>anna</i>	Anna's hummingbird
<b>Picidae</b>		<b>Woodpeckers</b>
<i>Picoides</i>	<i>nuttallii</i>	Nuttall's woodpecker
<b>Tyrannidae</b>		<b>Flycatchers</b>
<i>Sayornis</i>	<i>nigricans</i>	black phoebe
<i>Myiarchus</i>	<i>cinerascens</i>	ash-throated flycatcher
<i>Tyrannus</i>	<i>verticalis</i>	western kingbird
<b>Corvidae</b>		<b>Jays/Crows</b>
<i>Aphelocoma</i>	<i>californica</i>	western scrub-jay
<i>Corvus</i>	<i>brachyrhynchos</i>	American crow
<i>Corvus</i>	<i>corax</i>	common raven
<b>Hirundinidae</b>		<b>Swallows</b>
<i>Stelgidopteryx</i>	<i>serripennis</i>	northern rough-winged swallow
<i>Hirundo</i>	<i>rustica</i>	barn swallow
<b>Aegithalidae</b>		<b>Bushtits</b>
<i>Psaltriparus</i>	<i>minimus</i>	bushtit
<b>Troglodytidae</b>		<b>Wrens</b>
<i>Troglodytes</i>	<i>aedon</i>	house wren
<b>Mimidae</b>		<b>Mockingbirds/Thrashers</b>
<i>Toxostoma</i>	<i>redivivum</i>	California thrasher
<b>Sturnidae</b>		<b>Starlings</b>
<i>Sturnus</i>	<i>vulgaris</i>	European starling
<b>Prilognatidae</b>		<b>Silky-flycatchers</b>
<i>Phainopepla</i>	<i>nitens</i>	phainopepla
<b>Parulidae</b>		<b>New world warblers</b>
<i>Geothlypis</i>	<i>trichas</i>	common yellowthroat
<b>Emberizidae</b>		<b>Warblers, sparrow, etc.</b>
<i>Pipilo</i>	<i>maculatus</i>	spotted towhee
<i>Pipilo</i>	<i>crissalis</i>	California towhee
<i>Aimophila</i>	<i>ruficeps</i>	rufous-crowned sparrow
<i>Chondestes</i>	<i>grammacus</i>	lark sparrow
<b>Cardinalidae</b>		<b>Cardinals</b>
<i>Pheucticus</i>	<i>melanocephalus</i>	black-headed grosbeak
<i>Passerina</i>	<i>amoena</i>	lazuli bunting
<b>Icteridae</b>		<b>New world blackbirds</b>

## Fauna Compendia

<i>Icterus</i>	<i>cucullatus</i>	hooded oriole
<b>Fringillidae</b>		<b>Finches</b>
<i>Carpodacus</i>	<i>mexicanus</i>	house finch
<i>Carduelis</i>	<i>psaltria</i>	lesser goldfinch
<i>Carduelis</i>	<i>tristis</i>	American goldfinch
<b>Leporidae</b>		<b>Hares and Rabbits</b>
<i>Lepus</i>	<i>californicus</i>	black-tailed jackrabbit
<i>Sylvilagus</i>	<i>audubonii</i>	desert cottontail
<b>Sciuridae</b>		<b>Squirrels</b>
<i>Spermophilus</i>	<i>beecheyi</i>	California ground squirrel
<b>Muridae</b>		<b>Mice, Rats, and Voles</b>
<i>Microtus</i>	<i>californicus</i>	California vole
<b>Canidae</b>		<b>Wolves and Foxes</b>
<i>Canis</i>	<i>familiaris</i>	domestic dog
<i>Canis</i>	<i>latrans</i>	coyote

**ATTACHMENT B.5  
RESUME**

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**Dale Hameister**  
**Regulatory Specialist**

**Overview**

- 9 Years Experience
- Bachelor's degree, Earth System Science and Policy – California State University, Monterey Bay

**Dale Hameister** has been actively involved in providing biological consulting services for nine years. His extensive knowledge of California's flora and fauna combines with experience in general ecology, wetland assessment, regulatory compliance, fire ecology, and erosion control to facilitate public agency projects involving multiple government agencies: California Department of Fish and Game, United States Fish & Wildlife Service, Army Corp of Engineers, and California State Parks. His scope of work includes preparing biological assessment reports, jurisdictional delineations, native landscape plans, erosion control plans, mitigation and restoration plans, rare species recover plans, and performing fieldwork that involves protocol surveys and construction site monitoring.

Dale is also thoroughly familiar with GIS, GPS, and aerial photography for use in habitat classification, impact analysis, and natural resource planning.

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**Related Experience**

**Residential Subdivisions**

**Initial Biological Assessment for Rancho Cañada Village, Carmel by-the-Sea, CA.** Prepared detailed biological surveys and impact assessment for the proposed Rancho Cañada Village subdivision project in Carmel Valley.

**Biological Assessment for the Proposed Wang Subdivision for Private Owner, Monterey, CA.** Performed biological surveys, habitat classification, impact analysis, and mitigation recommendations for 23 lot subdivision on 120 acres. Included specific surveys for rare and endangered species.

**Planting Specifications for Vegetation of Terraced Wire Walls at the McDowell Residence, Carmel Highlands, CA.** Prepared planting specification for the vegetation of terraced wire walls for slope stabilization and screening purposes.

**Endangered Species**

**Coachella Valley MSHCP Consistency Analysis, Palm Springs Unified School District Cabot Yerxa Elementary School, City of Desert Hot Springs, Riverside County, California.** Prepared biological habitat assessment and MSHCP consistency analysis for 10 acre school site.

**Rock Honda Burrowing Owl Focused Survey Report, City of Fontana, San Bernardino County, California.** Conducted protocol surveys for burrowing owl at proposed site for Rock Honda.

**Habitat Conservation Plan for the Smith's Blue Butterfly, Sarmont Parcel, Carmel Highlands, Monterey County, California.** Prepared plan for the designation and maintenance of a preserve for the endangered Smith's Blue Butterfly.

**Biological Monitor for the California State Park's Carmel Rivermouth Lagoon Enhancement Project.** Monitored construction activities, provided orientation for all Granite Construction Employees on site, and relocated amphibians and reptiles in the construction area.

**Avoidance and Mitigation Measures per Salvage, Mitigation and Monitoring Plan for The Marina State Beach Bike Lane Project.** Directed and performed legless lizard salvage and relocation, Monterey spineflower seed collection and relocation, and buckwheat removal and mitigation.

**Tally Ho Inn Replacement and Remodel Landscape Plan: Prepared for John Thodos AIA Architect, Carmel-by-the-Sea, CA.** Prepared landscape planting plan for green roof, technical illustrations, and photographic exhibits

**Final Restoration and Mitigation Plan for BT Development Company L.L.C. Holiday Inn Express Project: For BT Development Company in Marina, CA.** Obtained 2081 permit for incidental take of endangered sand gilia and Monterey spineflower. Authored restoration and mitigation plan including the salvage and relocation of sand and entire seed bank to the restoration area, establishment of 3 acres of dune scrub habitat, salvage and relocation of legless lizards, and monitoring. Directed and performed legless lizard salvage and relocation.

**Vegetation Management Plan – Phase I for San Mateo County Department of Parks and Recreation.** Performed GPS mapping and created GIS database of plant communities and rare, threatened and endangered species for Wunderlich Park. Performed biological survey and ground truthing of GIS data.

**Bolsa Point Ranch Biological Assessment and Grazing Plan for Peninsula Open Space Trust, San Mateo County, CA.** Performed biological surveys and authored habitat descriptions.

**Driscoll Ranch Natural Resource Management Plan for Peninsula Open Space Trust, San Mateo County, CA.** Performed biological surveys.

#### **Vegetation, Restoration, and Erosion Control**

**2008 Annual Mitigation Monitoring Report for Rancho Diamante, Hemet, California.** Performed vegetation monitoring and statistical analysis for the paseo restoration area within the Rancho Diamante subdivision.

**Landslide Restoration and Erosion Control Plan: Prepared for Santa Clara Valley Water District tunnel project near Casa de Fruta, CA.** Authored restoration and erosion control plan including planting specification, protection measures, monitoring and maintenance specifications.

#### **Oilfields**

**Tracer ES&T.** Provided biological consulting for development projects within oilfields on Orcutt Hill in Santa Maria, CA.

#### **Utilities and Communication**

**Results of Biological Survey of Cingular Cellular Site SJ-909-01 International Turbine Research.** Prepared biological assessment report to determine impacts of a proposed cellular tower near Hollister, CA.

**ATTACHMENT B.6**  
**LORS REFERENCE PAGES**

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Table 4.12-10 Applicable LORS for Biological Resources

Permitting Agency	LORS or Permit/Approval/Consultation	Trigger	Comments
<b>Federal</b>			
U.S. Army Corps of Engineers (USACE), South Pacific Division, Los Angeles District	Individual or Nationwide Permit under Section 404 of the Clean Water Act (CWA)	Discharges of dredged or fill material into waters of the United States, including their adjacent wetlands	The USACE may issue a Permit under Section 404 of the CWA, which establishes a program to regulate the discharge of dredge or fill material into waters of the U.S., which may include dry desert washes if they drain to waters of the U.S. Applicants must show compliance with the National Environmental Policy Act and provide mitigation for any permanent loss of wetlands or waters of the U.S. Regulatory information is available online at: <a href="http://www.spl.usace.army.mil/regulatory/">http://www.spl.usace.army.mil/regulatory/</a> . <b>Page 4.12-50</b>
U.S. Fish and Wildlife Service (USFWS), Region 1, Pacific Region	Endangered Species Act (ESA) (16 USC § 1531 et seq., 50 CFR § 17.1 et seq.)	Potential adverse impacts to federally listed species and/or designated critical habitat	The ESA designates and protects federally threatened and endangered species and their designated critical habitats, and prohibits “take” of listed species without an Incidental Take Permit with a Habitat Conservation Plan (HCP). Critical habitats are areas designated by USFWS as essential to the conservation of a listed species and that may require special management and protection. For federally listed species covered by the MSCP Plant and Subarea Plan, the Project’s compliance with ESA will be demonstrated by compliance with the MSCP Plan and Subarea Plan. For impacts to federally listed species not covered by the MSCP Plan and Subarea Plan (such as the Quino checkerspot butterfly), the Project will require development of an HCP and acquisition of an Incidental Take Permit. Avoidance and mitigation measures will be employed to avoid or reduce impacts to covered species. <b>Page 4.12-50</b>
USFWS, Region 1, Pacific Region	Migratory Bird Treaty Act (MBTA) (16 USC §703–712; 50 CFR §10 Subchapter B)	Potential impacts on any migratory bird species	This act prohibits the “take” of migratory birds and their active nests containing eggs or young unless permitted. This regulation can constrain construction activities that have the potential to affect nesting birds either through vegetation removal and land clearing, or other construction or operation related disturbance. <b>Page 4.12-55</b>
USFWS, Region 1, Pacific Region	Bald and Golden Eagle Protection Act (BGEPA) (16 USC §668; 50 CFR §22 et seq.)	Potential impacts to bald or golden eagle	This act protects bald and golden eagles from harm or trade in parts of these species, and regulates take of bald and golden eagles through a permitting process. <b>Page 4.12-55</b>

Permitting Agency	LORS or Permit/Approval/Consultation	Trigger	Comments
<b>State Jurisdictions</b>			
California Department of Fish and Game (CDFG)	Streambed Alteration Agreement (California Fish and Game Code § 1602)	Temporary or permanent disturbance to bed and bank of any stream, including dry washes, in California	CDFG may take jurisdiction over ephemeral washes and will issue a permit for any grading that impacts the bed and bank of a wash and all its tributaries. The permit will include mitigation requirements that may include compensatory payments. <a href="#">Page 4.12-55</a>
CDFG	California Endangered Species Act (CESA) (California Fish and Game Code §§2050 et seq.) – Incidental Take Permit	Potential impact to any state-listed threatened or endangered wildlife species	This act prohibits any activities that would jeopardize or take a species listed as threatened or endangered within the State of California. For state-listed species covered by the MSCP Plan and Subarea Plan, compliance with CESA will be demonstrated by compliance with the provisions of the MSCP Plan and Subarea Plan. Projects that have the potential to impact wildlife species listed as threatened or endangered by the state that are not covered by the MSCP Plan and Subarea Plan may require an Incidental Take Permit from the CDFG under California Fish and Game Code Section 2081. The application for this permit requires a project description, analysis of impacts to the species, and an analysis of the probability of the long-term survival of the wildlife species as related to impacts. <a href="#">Page 4.12-55</a>
CDFG	Title 14, California Code of Regulations (CCR), Sections 670.2 and 670.5	Potential impacts to species identified as California Species of Special Concern (CSC)	CSC is a category conferred by CDFG on those species that are indicators of regional habitat changes or are considered potential future protected species. These species do not have any special legal status, but are intended by CDFG for use as a management tool to take these species into special consideration when decisions are made concerning the future of any land parcel. <a href="#">Page 4.12-55</a>
CDFG	Fish and Game Code Sections 3511, 4700, 5050, and 5515	Potential impacts to mammals, amphibians and reptiles, and fishes that are identified as “fully protected”	These codes list mammal, amphibian, reptile, and fish species that are fully protected in California. <a href="#">Page 4.12-55</a>
CDFG	Fish and Game Code Sections 3503, 3503.5, 3513 Permit required for take of fully protected birds. Fish and Game Code Section 3511 - identifies those bird species that are “fully protected”	Potential impacts to all bird species, including migratory species, except where noted otherwise; birds of prey are especially of concern	Fish and Game Code Section 3503 - States that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Fish and Game Code Section 3503.5 - Protects all birds of prey and their eggs and nests. Fish and Game Code Section 3511 - Identifies bird species, primarily raptors that are “fully protected.” Fully protected birds may not be taken or possessed, except under specific permit requirements. Fish and Game Code Section 3513 - Makes it unlawful to take or possess any non-game migratory bird, as designated by the Migratory Bird Treaty Act.

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Permitting Agency	LORS or Permit/Approval/Consultation	Trigger	Comments
CDFG	California Endangered Species Act of 1984 (Fish and Game Code Sections 2050-2116) (Listed Plants) CESA Section 2081 Permit	Potential impacts to any state-listed plant species	To align with federal regulations, the CESA created the categories of “threatened” and “endangered” species. It converted all “rare” animals into the Act as threatened species, but did not do so for “rare” plants. There are three listing categories for plants in California: rare, threatened, and endangered. Take of state-listed plants is prohibited under CESA but destruction of state-listed plants is allowed under limited circumstances. The CESA also requires mitigation for impacts to species and their habitat (CNPS 2001). The CDFG requires a CESA Section 2081 (a) permit for take of candidate or listed threatened and endangered plants for scientific, educational, or management purposes, and a CESA Section 2081 (b) permit for incidental take of listed threatened and endangered plants from all activities, except those specifically authorized by the Native Plant Protection Act (NPPA). Because plants designated as rare are not included in the CESA, mitigation measures for impacts to plants designated as rare are specified in a formal agreement between the CDFG and the project proponent. <a href="#">Page 4.12-55</a>
CDFG	Native Plant Protection Act, Fish and Game Code Sections 1900-1913	Potential impacts to any state-designated endangered or rare plant species	The NPPA directed CDFG to “preserve, protect and enhance rare and endangered plants in the State.” The NPPA gave the California Fish and Game Commission the power to designate native plants as “endangered” or “rare” and protect endangered and rare plants from take. <a href="#">Page 4.12-56</a>
CEC	California Environmental Quality Act (CEQA); California PRC § 21000 et seq.	Submittal of Application for Certification for thermal power plants 50 MW and larger	The CEC’s permitting process is a certified regulatory program under CEQA, which provides for the protection of the California environment, and requires state and local agencies to identify significant environmental impacts (including those on biological resources) of their actions and to void or mitigate those actions. The Project will comply with the CEC’s requirements for analysis of biological impacts listed in 14 CCR § 15000. <a href="#">Page 4.12-56</a>
California Environmental Protection Agency (Cal/EPA); San Diego Regional Water Quality Control Board (RWQCB)	Water Quality Certification under Section 401 of the CWA	Any work that may result in a discharge to waters of the U.S.	Section 401 of the CWA requires that any applicant for a federal license or permit who conducts any activity that may result in a discharge to waters of the state must provide the licensing or permitting agency a certification that the activity complies with water quality requirements and standards. If a nationwide or individual 404 permit is required, a 401 certification is also required in California. The Project will not require a Section 404 permit because there will be no impacts to wetlands or waters of the U.S. or discharges to waterways. The Section 401 Water Quality Certification is therefore not required. <a href="#">Page 4.12-57</a>

Permitting Agency	LORS or Permit/Approval/Consultation	Trigger	Comments
Cal/EPA; San Diego RWQCB, National Pollutant Discharge Elimination System (NPDES) General Permits, Section 402, CWA	General Permit for Stormwater Discharges, Construction	Ground disturbance greater than 1 acre (no permit is needed if less than 1 acre)	Discharges associated with construction activities, including clearing, grading, and excavation, that disturb 1 or more acres of land must obtain an NPDES Storm Water Discharge General permit. This permit is issued under authority of the Federal Water Pollution Control Act and requires a Storm Water Pollution Prevention Plan, Best Management Practices, and a NOI. <a href="#">Page 4.12-57</a>
San Diego RWQCB	Porter-Cologne Water Quality Control Act	N/A	Pursuant to California's Porter-Cologne Water Quality Control Act, the state RWCQBs regulate the "discharge of waste" to "waters of the state." All parties proposing to discharge waste that could affect waters of the state must file a waste discharge report with the appropriate regional board. The RWQCB will then respond to the report of waste discharge by issuing waste discharge requirements (WDRs) or by waiving WDRs (with or without conditions) for that proposed discharge. Both of the terms "discharge of waste" and "waters of the state" are broadly defined in Porter-Cologne, such that discharges of waste include fill, any material resulting from human activity, or any other "discharge" that may directly or indirectly impact "waters of the state." <a href="#">Page 4.12-57</a>
<b>Local Jurisdictions</b>			
San Diego County, City of San Diego	San Diego County MSCP, City of San Diego Subarea Plan, and Biological Mitigation Ordinance	Impacts to covered resources within MSCP Plan or Subarea Plan jurisdictional areas	The MSCP Plan, Subarea Plan, and associated documents serve as an HCP under the FESA for covered species, and establish a preserve system to protect San Diego County's sensitive species and habitats. Permits the taking of MSCP Plan/Subarea Plan covered species with compliance with all guidelines. The AFC application will describe how the Project complies with all relevant guidelines of the MSCP Plan and Subarea Plan pertaining to resources potentially impacted by the Project. <a href="#">Page 4.12-57</a>
City of San Diego	East Elliot Community Plan	Projects within East Elliot planning area must conform with the plan	The East Elliot Community Plan contains provisions specific to the Project area. The City of San Diego will advise the Project proponent if compliance with the plan will be accomplished through a zone change or a community plan amendment. <a href="#">Page 4.12-59</a>
City of San Diego	Environmentally Sensitive Lands Regulations	Project that impact environmentally sensitive lands or sensitive biological resources as defined by the San Diego Municipal Code	The Project area does contain lands that would be considered environmentally sensitive on the plant site and in the overall Project area. The City of San Diego is currently considering the type of site development permit needed for the Project and how compliance with environmentally sensitive lands regulations will be achieved. <a href="#">Page 4.12-59</a>