



Image Source: Copyright 2001 AirPhotoUSA, LLC, All Rights Reserved (flown January 2001)

- Existing 230kV lattice tower
(Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV
(Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV structure
(Source: SDG&E May 20, 2003)
- Proposed 230kV pole structure
(Source: SDG&E May 20, 2003)
- Proposed 69/138 kV structure
(Source: SDG&E May 8, 2003)
- Stringing/snub site
(Source: SDG&E May 8, 2003)
- SDG&E access road
- ▭ Survey area



FIGURE 3
Aerial Overview
SDG&E Miguel - Mission 230kV #2

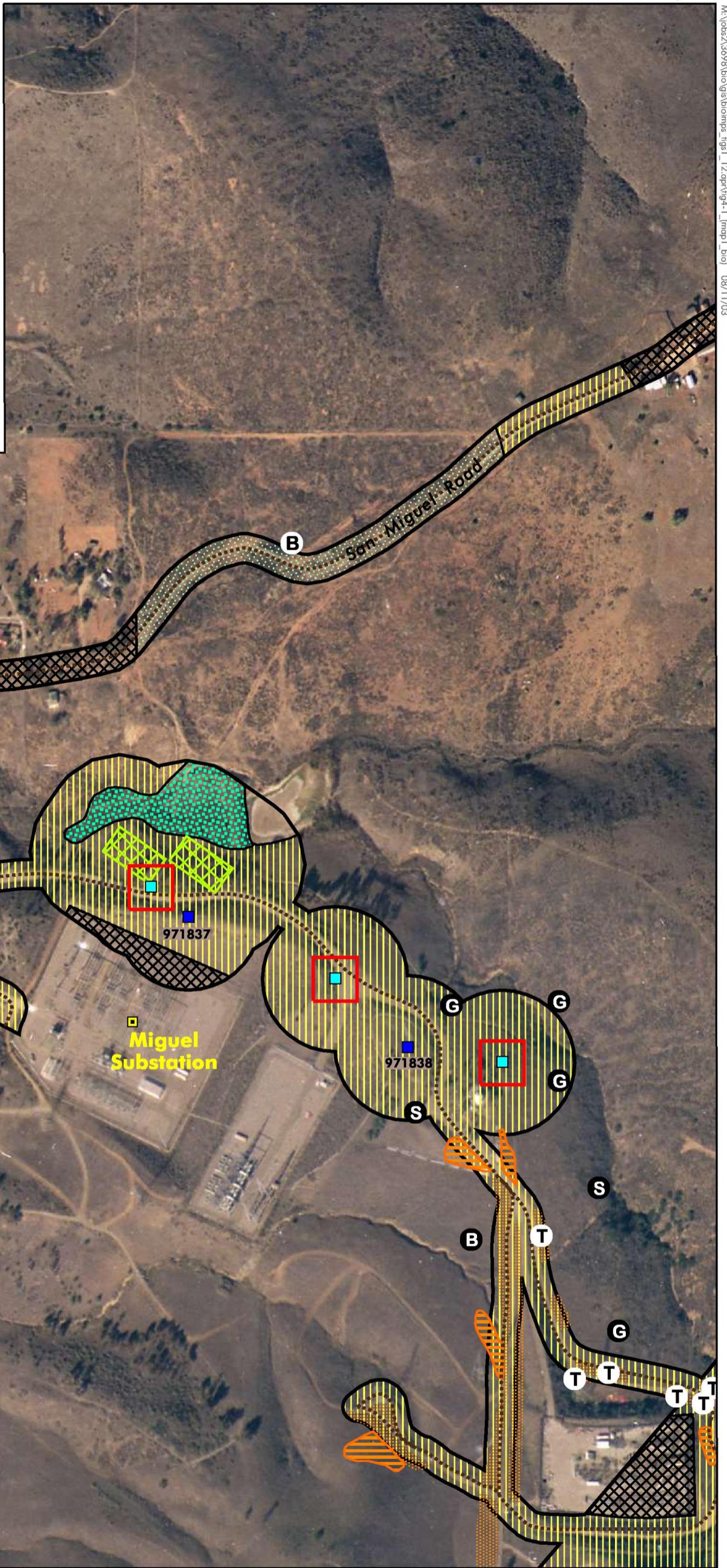
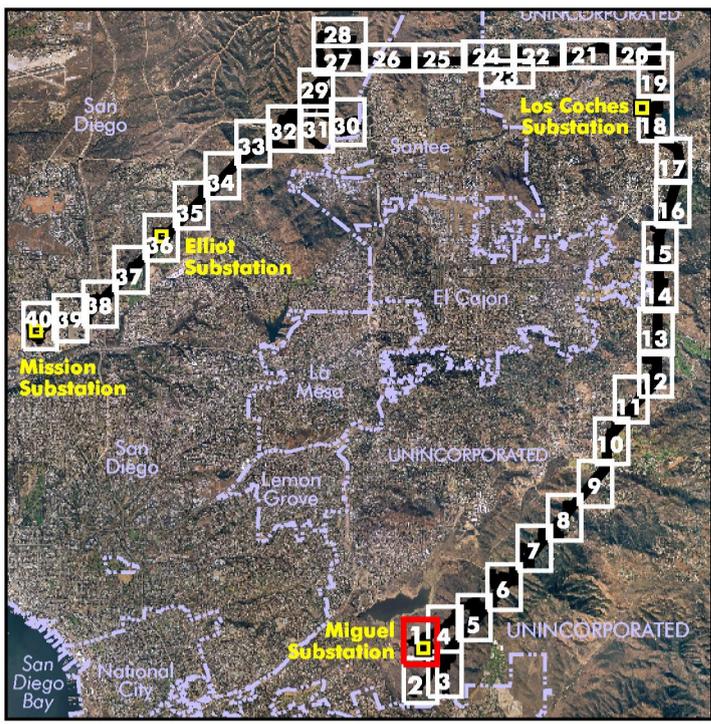
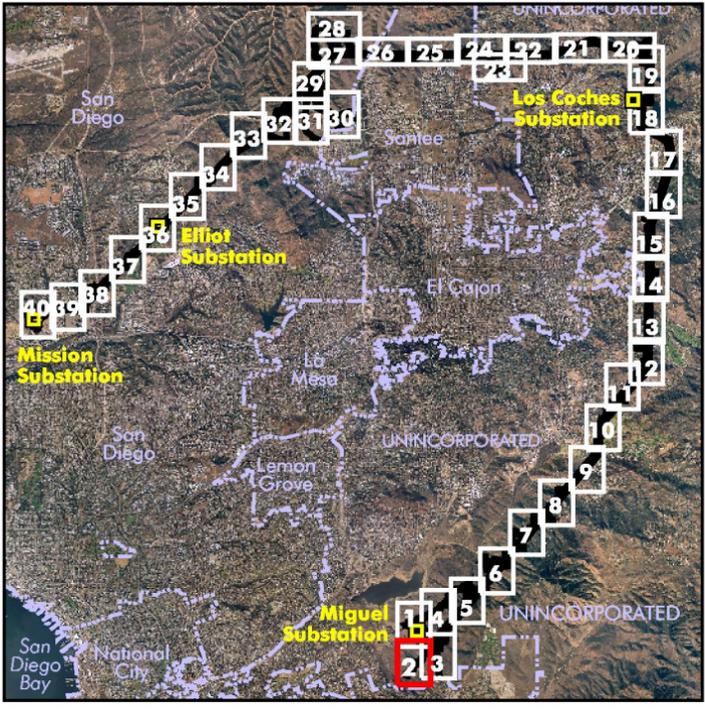


Image Source: Copyright 2001 AirPhotoUSA, LLC, All Rights Reserved (flown January 2001)

<ul style="list-style-type: none"> ■ Existing 230kV lattice tower (Source: SDG&E May 20, 2003) Proposed 230kV pole structure (Source: SDG&E May 20, 2003) Impact areas around structures - 150' x 150' work area around proposed 230 kV structures Stringing/snub site (Source: SDG&E May 8, 2003) 	<ul style="list-style-type: none"> SDG&E access road Survey area <p>Vegetation communities (Source: Essex, 2002; modified by Recon, May 2003)</p> <ul style="list-style-type: none"> Coastal sage scrub Non-native grassland Mule fat scrub Freshwater marsh Developed 	<p>Sensitive species (Source: Recon, June 2003)</p> <ul style="list-style-type: none"> Otay tarplant community Otay tarplant habitat and observations 	<p>Sensitive species locations (Source: Essex, October 2002)</p> <ul style="list-style-type: none"> B Coast barrel cactus G Coastal California gnatcatcher S Southern California Rufous-crowned sparrow <p>(Source: Recon, May 2003)</p> <ul style="list-style-type: none"> B Coast barrel cactus T Otay tarplant 	<p>0 Feet 400 N</p> <p>FIGURE 4-1 Impacts to Existing Biological Resources Map 1</p> <p>SDG&E Miguel - Mission 230kV #2</p>  
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Map Locator



-  Stringing/staging site (Source: SDG&E May 8, 2003)
-  SDG&E access road
-  Survey area
- Vegetation communities** (Source: Essex, 2002; modified by Recon, May 2003)
 -  Coastal sage scrub
 -  Non-native grassland
 -  Developed
- Sensitive species** (Source: Recon, June 2003)
 -  Otay tarplant community
 -  Otay tarplant habitat and observations
 -  Otay tarplant location



FIGURE 4-2
Impacts to Existing Biological Resources
Map 2

SDG&E Miguel - Mission 230kV #2

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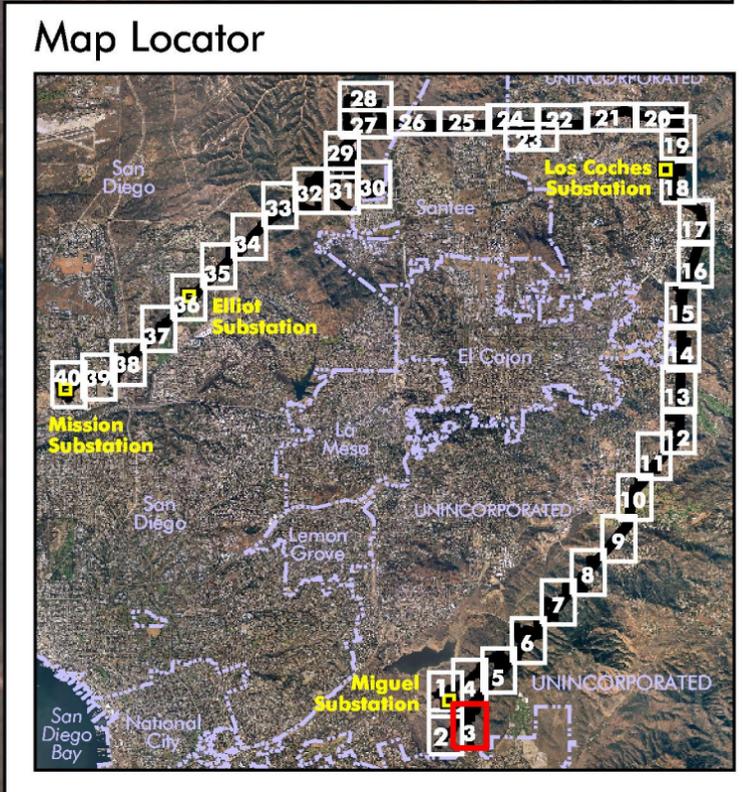
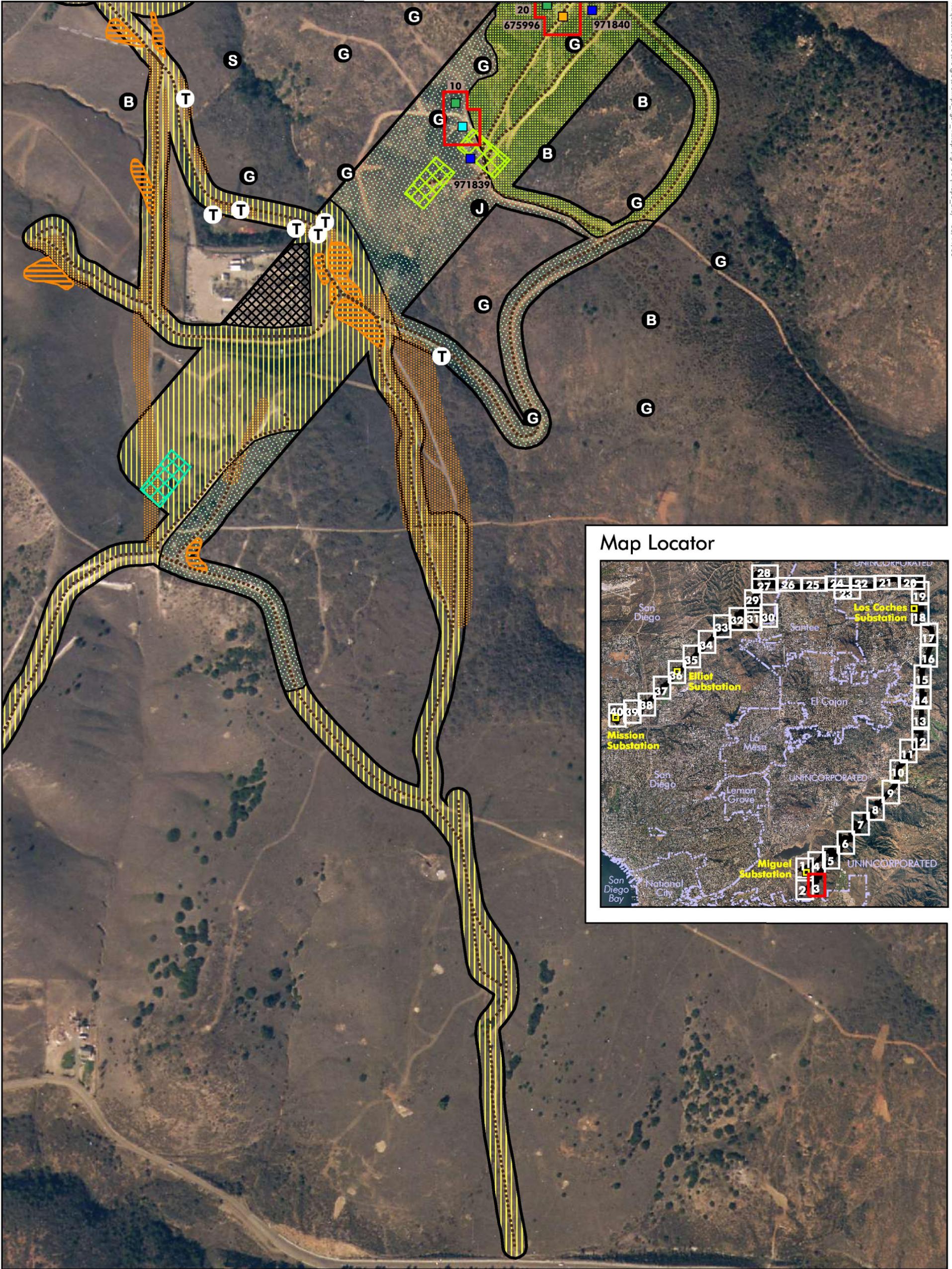


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- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV structure (Source: SDG&E May 20, 2003)
- Proposed 230kV pole structure (Source: SDG&E May 20, 2003)
- Proposed 69/138 kV structure (Source: SDG&E May 8, 2003)
- SDG&E access road
- Survey area

- Impact areas around towers/structures
- 150' x 150' work area around proposed or existing towers to be replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- Stringing/snub site (Source: SDG&E May 8, 2003)
- Stringing/staging site (Source: SDG&E May 20, 2003)

- Vegetation communities**
(Source: Essex, 2002; modified by Recon, May 2003)
- Chamise chaparral
 - Coastal sage scrub
 - Non-native grassland
 - Developed

- Sensitive species**
(Source: Recon, June 2003)
- Otay tarplant community
 - Otay tarplant habitat and observations

- Sensitive species locations**
(Source: Essex, October 2002)
- B Coast barrel cactus
 - G Coastal California gnatcatcher
 - J Black-tailed jackrabbit
 - S Southern California Rufous-crowned sparrow
 - T Otoy tarplant



FIGURE 4-3
Impacts to Existing Biological Resources
Map 3

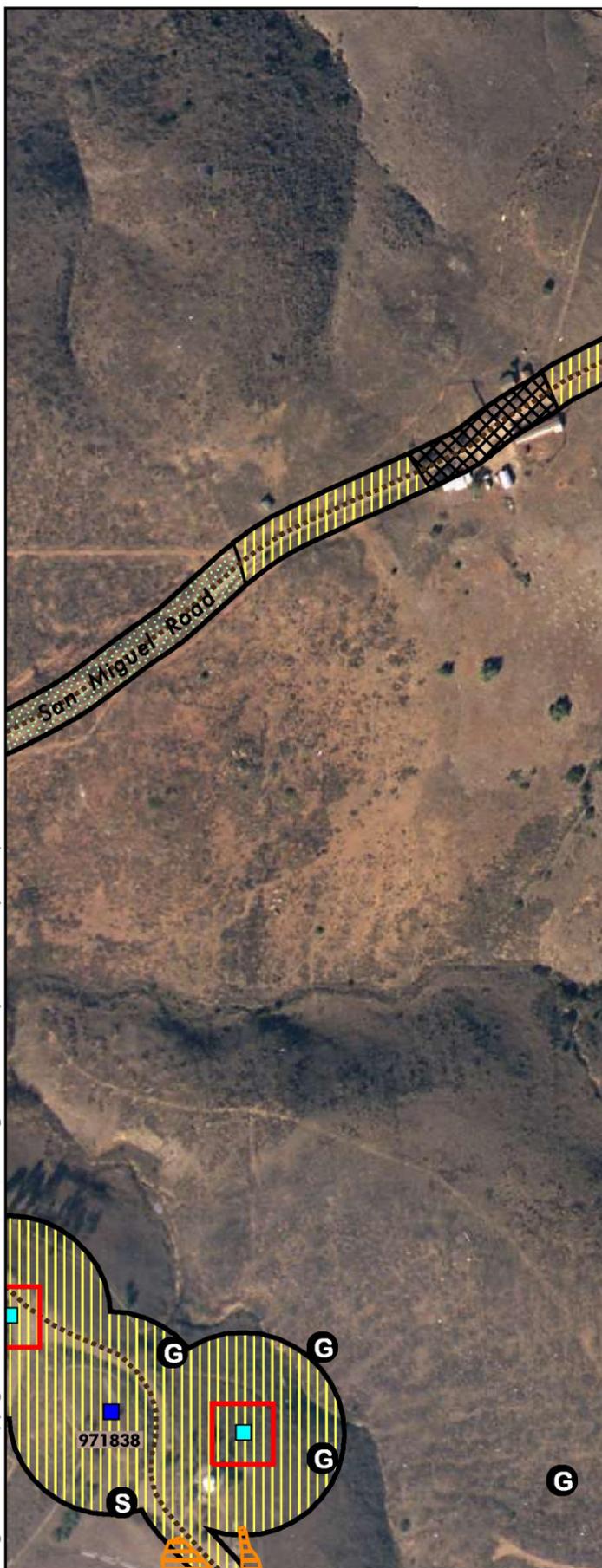
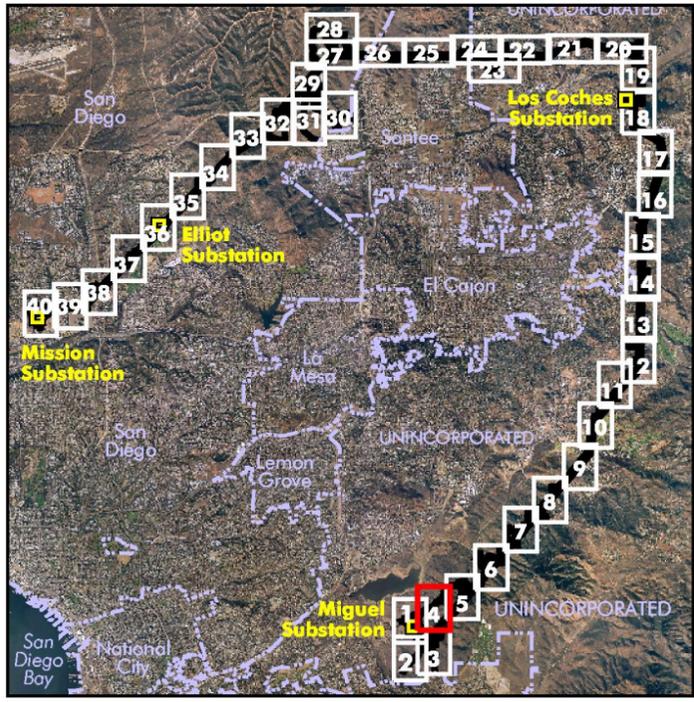


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- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Proposed 230kV pole structure (Source: SDG&E May 20, 2003)
- Proposed 69/138 kV structure (Source: SDG&E May 8, 2003)

- Impact areas around towers/structures
- 150' x 150' work area around proposed or existing towers to be modified to 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- SDG&E access road
- Survey area

- Vegetation communities**
(Source: Essex, 2002; modified by Recon, May 2003)
- Chamise chaparral
 - Coastal sage scrub
 - Non-native grassland
 - Developed

- Sensitive species**
(Source: Recon, June 2003)
- Otay tarplant community

- Sensitive species locations**
(Source: Essex, October 2002)
- A Grasshopper sparrow
 - C Cooper's hawk
 - G Coastal California gnatcatcher
 - M Southern mule deer
 - S Southern California Rufous-crowned sparrow
 - B Coast barrel cactus
- (Source: Recon, May 2003)

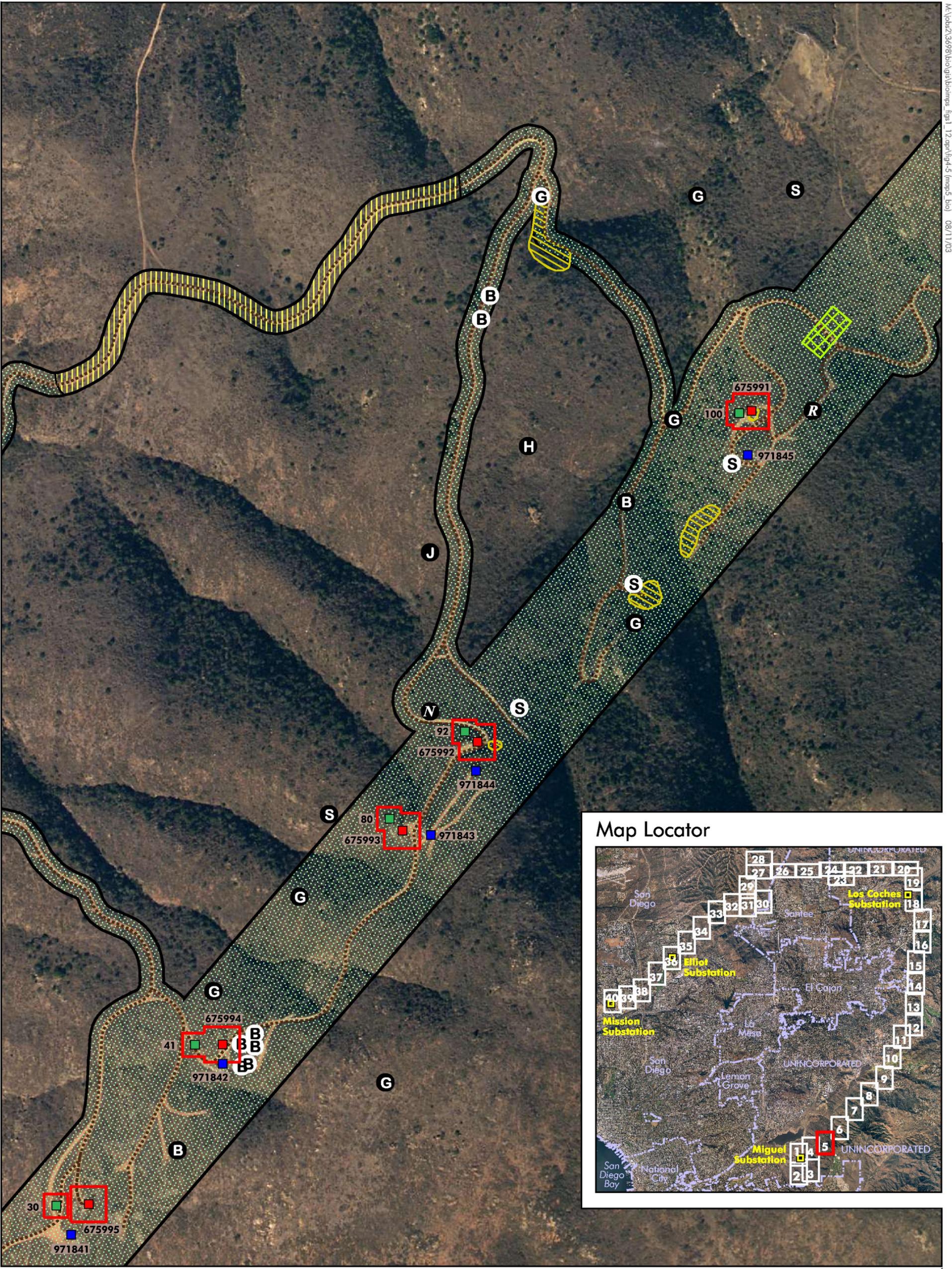
0 Feet 400 N

FIGURE 4-4
Impacts to Existing Biological Resources
Map 4

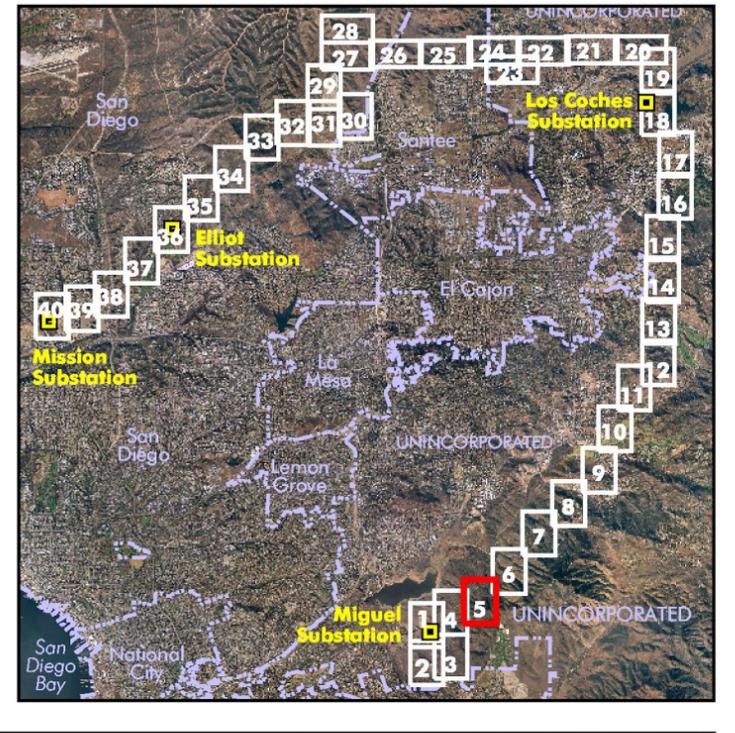
SDG&E Miguel - Mission 230kV #2



Image Source: Copyright 2001 AirPhotoUSA, LLC, All Rights Reserved (flown January 2001)



Map Locator



<ul style="list-style-type: none"> ■ Existing 230kV lattice tower (Source: SDG&E May 20, 2003) ■ Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003) ■ Proposed 69/138 kV structure (Source: SDG&E May 8, 2003) Impact areas around towers/structures - 150' x 150' work area around existing towers to be modified to 230 kV plus 100' x 100' work area around proposed 69/138kV structures Stringing/snub site (Source: SDG&E May 8, 2003) 	<ul style="list-style-type: none"> SDG&E access road Survey area Vegetation communities (Source: Essex, 2002; modified by Recon, May 2003) Coastal sage scrub Non-native grassland Sensitive species suitable habitat (Source: Recon, May 2003) Hermes copper butterfly 	<p>Sensitive species locations (Source: Essex, October 2002)</p> <ul style="list-style-type: none"> B Coast barrel cactus G Coastal California gnatcatcher H Northern harrier J Black-tailed jackrabbit N Common raven nest R Red-tailed hawk nest S Southern California Rufous-crowned sparrow 	<p>Sensitive species locations (Source: Recon, May 2003)</p> <ul style="list-style-type: none"> B Coast barrel cactus G Coastal California gnatcatcher S Southern California Rufous-crowned sparrow 	<div style="text-align: right;"> <p>0 Feet 400 N</p> <p>FIGURE 4-5</p> <p>Impacts to Existing Biological Resources</p> <p>Map 5</p> <p>SDG&E Miguel - Mission 230kV #2</p>  </div>
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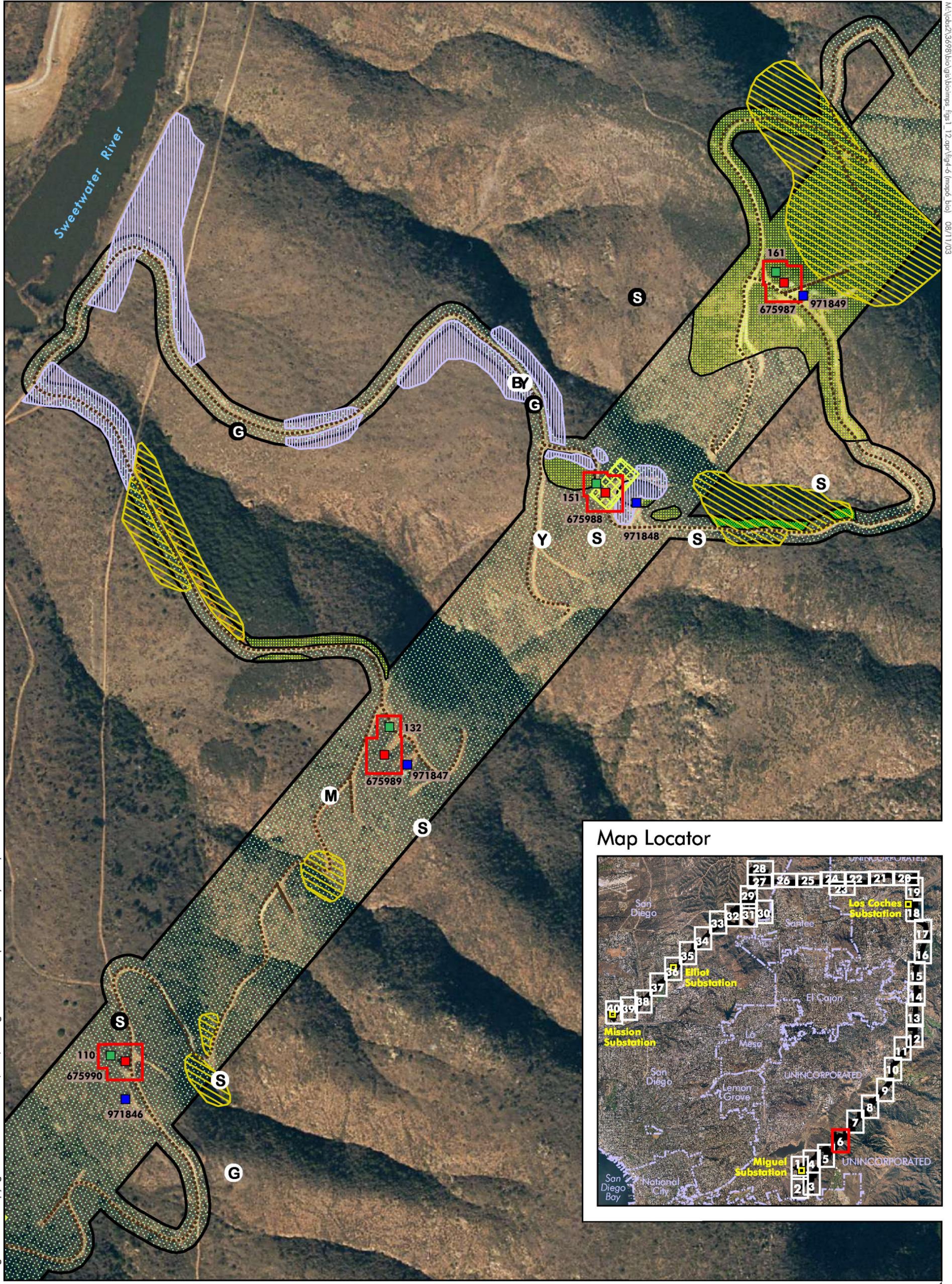
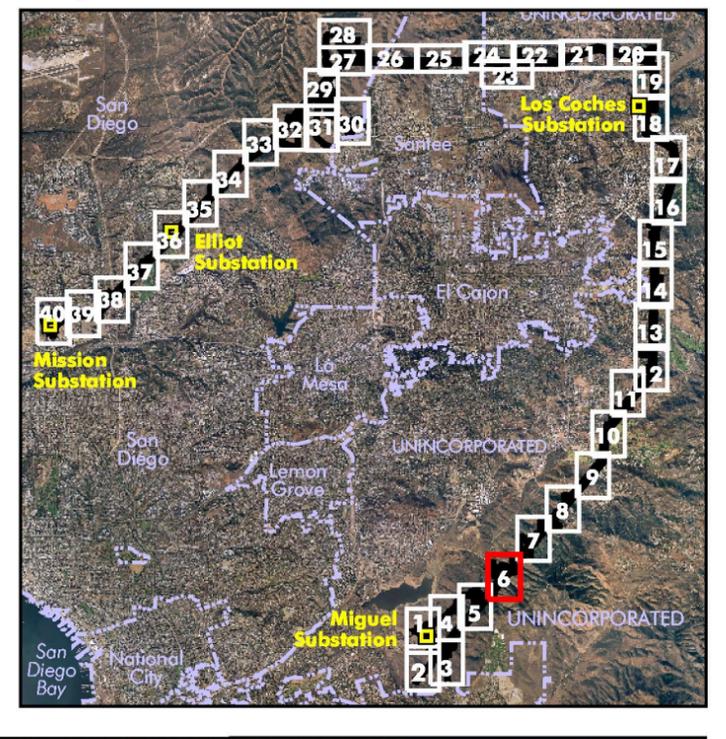


Image Source: Copyright 2001 AirPhotoUSA, LLC, All Rights Reserved (flown January 2001)

Map Locator



- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Proposed 69/138 kV structure (Source: SDG&E May 8, 2003)
- Impact areas around towers/structures
- 150' x 150' work area around existing towers to be modified to 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- Stringing/snub site (Source: SDG&E May 8, 2003)
- SDG&E access road
- Survey area
- Vegetation communities** (Source: Essex, 2002; modified by Recon, May 2003)
 - Coastal sage scrub
 - Chamise chaparral
 - Southern mixed chaparral
 - Coast live oak woodland
- Sensitive species suitable habitat** (Source: Recon, May 2003)
 - Hermes copper butterfly
- Sensitive species locations** (Source: Essex, October 2002)
 - G Coastal California gnatcatcher
 - R Red-tailed hawk nest
 - S Southern California Rufous-crowned sparrow
- Sensitive species location** (Source: Recon, May 2003)
 - San Diego goldenstar
- Sensitive species locations** (Source: Recon, May 2003)
 - B Coast barrel cactus
 - G Coastal California gnatcatcher
 - M Southern mule deer
 - S Southern California Rufous-crowned sparrow
 - Y Variegated dudleya



FIGURE 4-6
Impacts to Existing Biological Resources
Map 6
 SDG&E Miguel - Mission 230kV #2

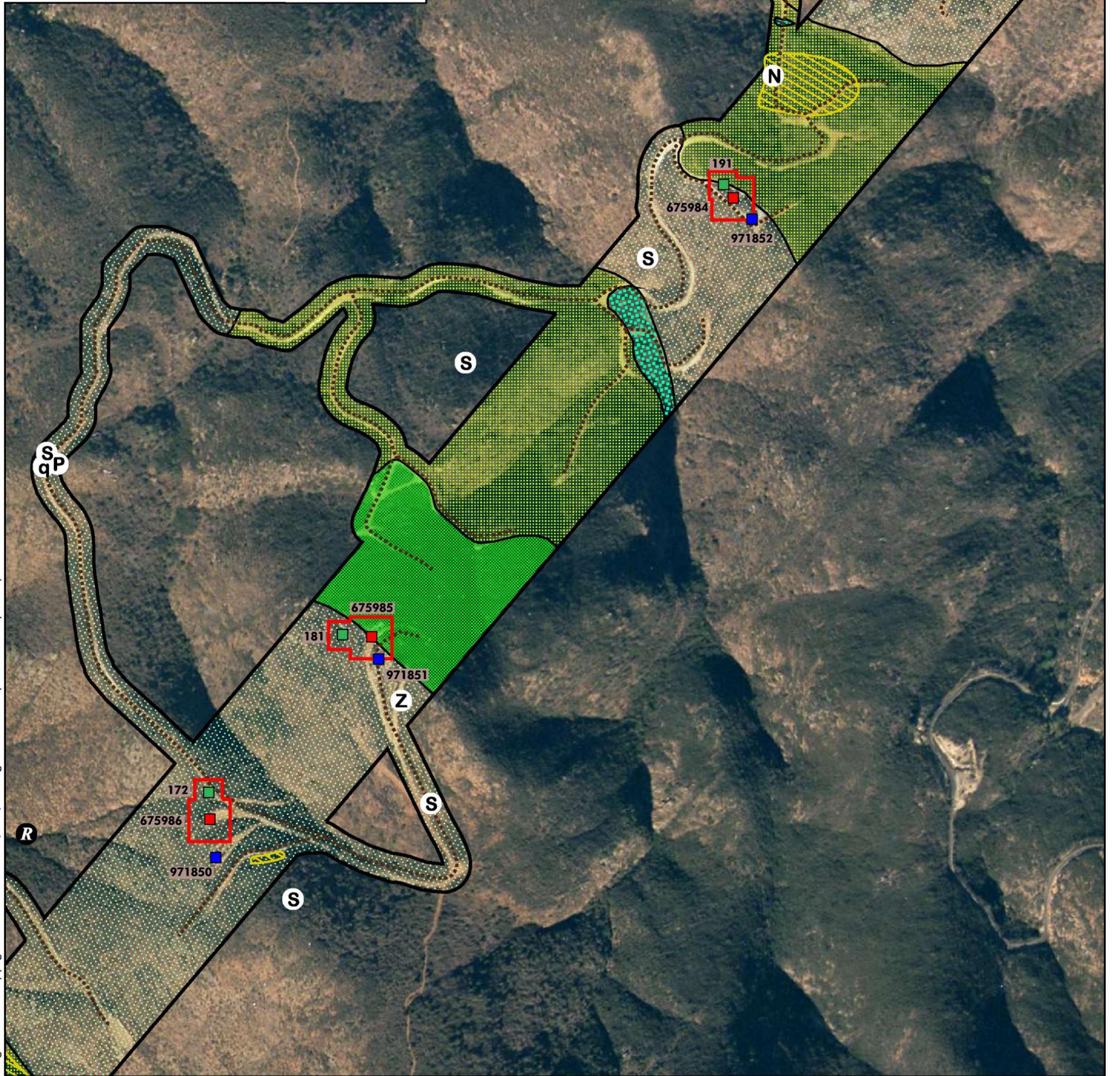
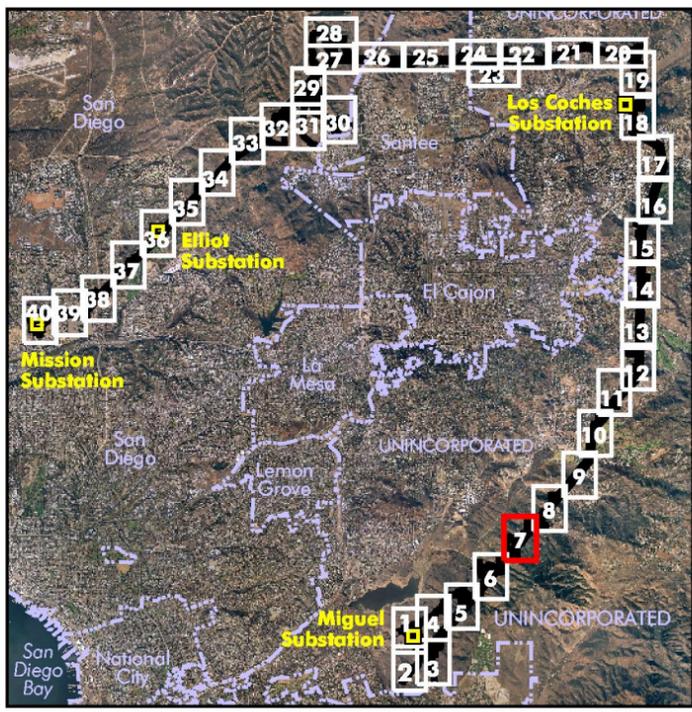


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- Existing 230kV lattice tower
(Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV
(Source: SDG&E May 20, 2003)
- Proposed 69/138 kV structure
(Source: SDG&E May 8, 2003)
- Impact areas around towers/structures
- 150' x 150' work area around existing towers to be modified to 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- SDG&E access road
- Survey area

- Vegetation communities**
(Source: Essex, 2002; modified by Recon, May 2003)
- Coastal sage scrub
 - Chamise chaparral
 - Southern mixed chaparral
 - Mule fat scrub
- Sensitive species suitable habitat**
(Source: Recon, May 2003)
- Hermes copper butterfly

- Sensitive species locations**
(Source: Essex, October 2002)
- R Red-tailed hawk nest
(Source: Recon, May 2003)
 - N San Diego goldenstar
 - P Dunn's mariposa lily
 - Q Quino checkerspot butterfly
 - S Southern California Rufous-crowned sparrow
 - Z Munz's sage



FIGURE 4-7
Impacts to Existing Biological Resources
Map 7

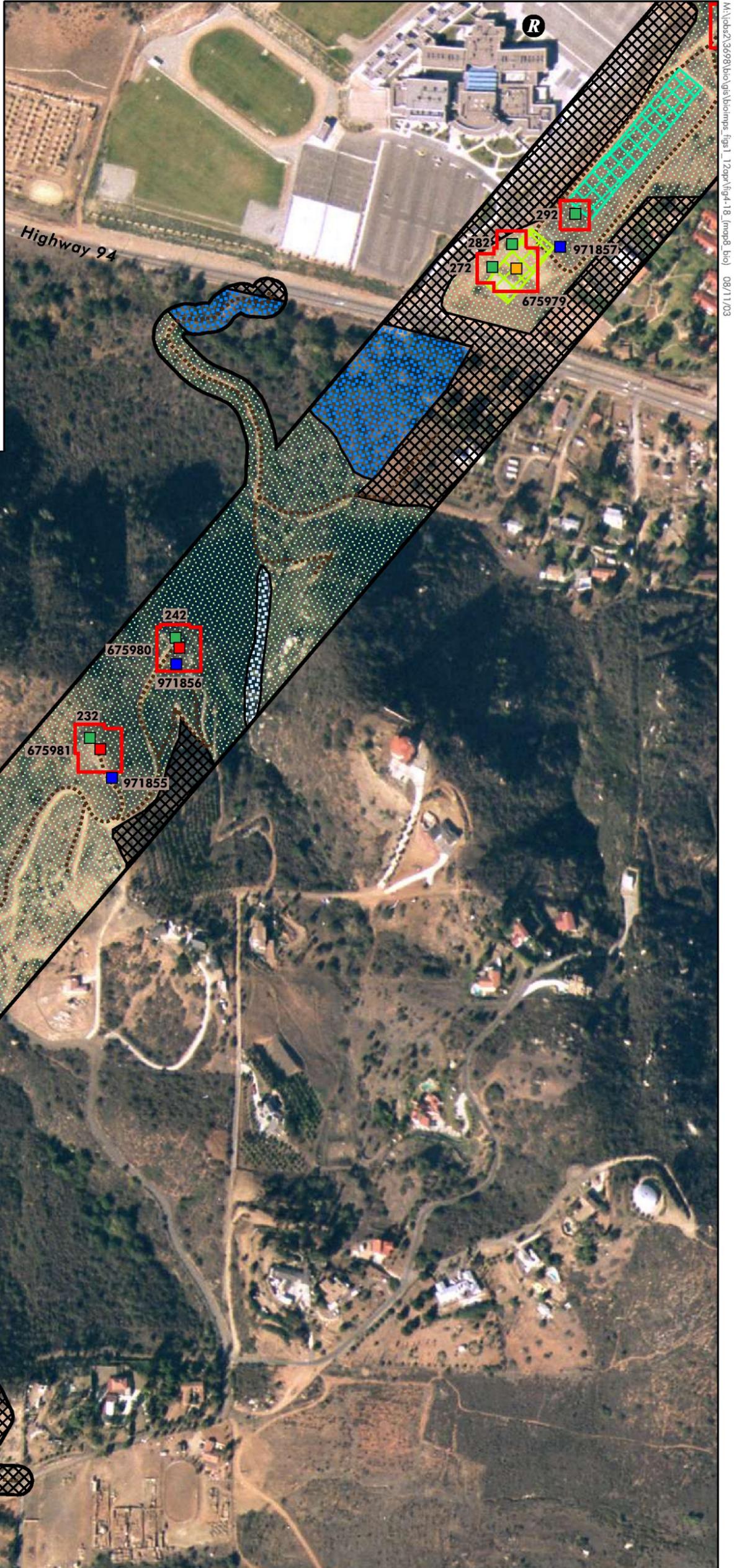
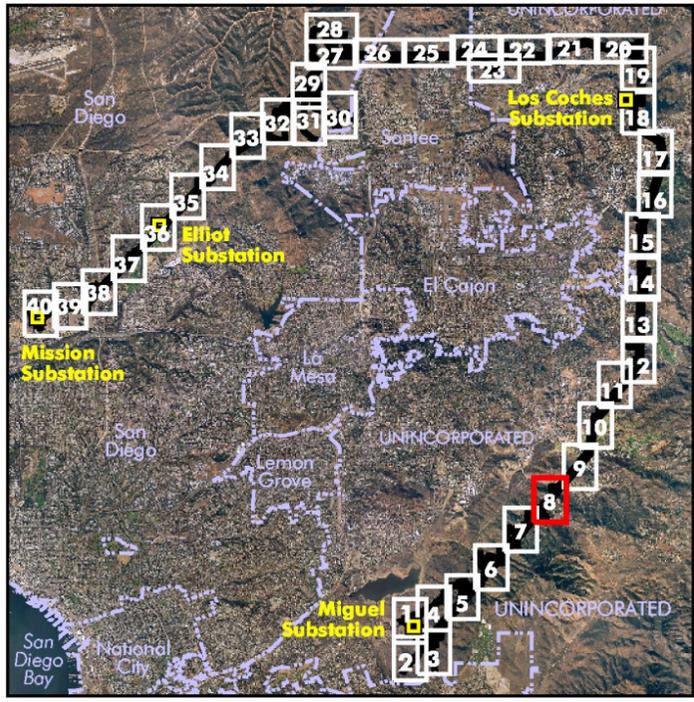


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- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003)
- Proposed 69/138 kV structure (Source: SDG&E May 8, 2003)

- Impact areas around towers/structures - 150' x 150' work area around existing towers to be modified or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- Stringing/snub site (Source: SDG&E May 8, 2003)
- Stringing/staging site (Source: SDG&E May 20, 2003)
- SDG&E access road
- Survey area

- Vegetation communities**
(Source: Essex, 2002; modified by Recon, May 2003)
- Coastal sage scrub
 - Chamise chaparral
 - Southern mixed chaparral
 - Non-native grassland
 - Mule fat scrub
 - Southern willow scrub
 - Southern cottonwood-willow riparian forest
 - Developed

- Sensitive species locations**
(Source: Essex, October 2002)
- R Red-tailed hawk nest (Source: Recon, May 2003)
 - S Southern California Rufous-crowned sparrow
 - X Otay manzanita



FIGURE 4-8
Impacts to Existing Biological Resources
Map 8

SDG&E Miguel - Mission 230kV #2



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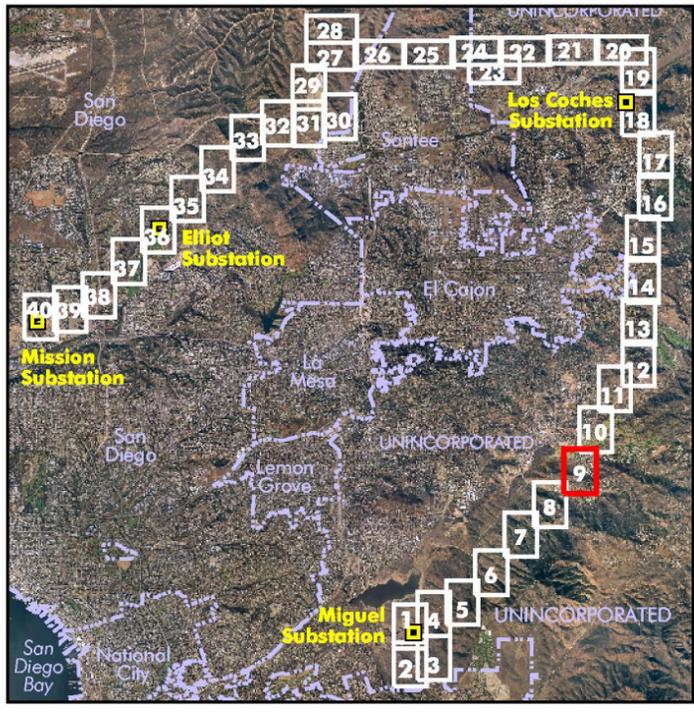


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- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003)
- Proposed 69/138 kV structure (Source: SDG&E May 8, 2003)

- Impact areas around towers/structures
- 150' x 150' work area around existing towers to be modified to or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- Stringing/snub site (Source: SDG&E May 8, 2003)
- Stringing/staging site (Source: SDG&E May 20, 2003)
- SDG&E access road
- Survey area

- Vegetation communities**
(Source: Essex, 2002; modified by Recon, May 2003)
- Coastal sage scrub
 - Non-native grassland
 - Southern willow scrub
 - Developed
- Sensitive species location**
(Source: Recon, May 2003)
- San Diego ambrosia

- Sensitive species locations**
(Source: Essex, October 2002)
- Ⓢ Southern California Rufous-crowned sparrow (Source: Recon, May 2003)
 - Ⓒ Cooper's hawk nest

0 Feet 400 N

FIGURE 4-9
Impacts to Existing Biological Resources
Map 9

SDG&E Miguel - Mission 230kV #2



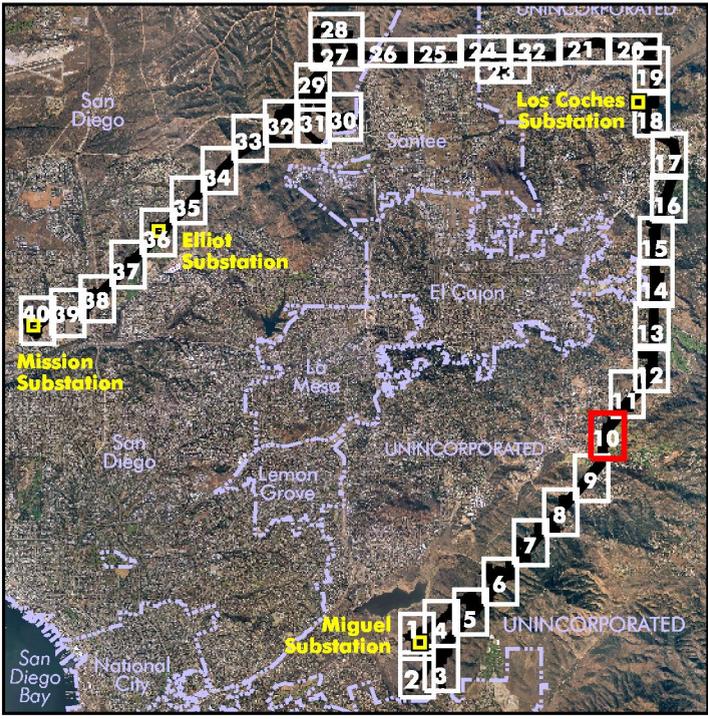


Image Source: Copyright 2001 AirPhotoUSA, LLC, All Rights Reserved (flown January, 2001)

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<ul style="list-style-type: none"> ■ Existing 230kV lattice tower (Source: SDG&E May 20, 2003) ■ Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003) ■ Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003) ■ Proposed 69/138 kV structure (Source: SDG&E May 8, 2003) 	<ul style="list-style-type: none"> Impact areas around towers/structures - 150' x 150' work area around existing towers to be modified to or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures Stringing/staging site (Source: SDG&E May 20, 2003) SDG&E access road Survey area 	<p>Vegetation communities (Source: Essex, 2002; modified by Recon, May 2003)</p> <ul style="list-style-type: none"> Coastal sage scrub Baccharis scrub Non-native grassland Southern willow scrub Developed Disturbed wetland 	<p>Sensitive species locations (Source: Essex, October 2002)</p> <ul style="list-style-type: none"> G Coastal California gnatcatcher O Belding's orange-throated whiptail S Southern California Rufous-crowned sparrow V Least Bell's vireo <p>Sensitive species locations (Source: CNDDDB, 1991)</p> <ul style="list-style-type: none"> Dean's milk vetch
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0 Feet 400 N

FIGURE 4-10
Impacts to Existing Biological Resources
Map 10

SDG&E Miguel - Mission 230kV #2

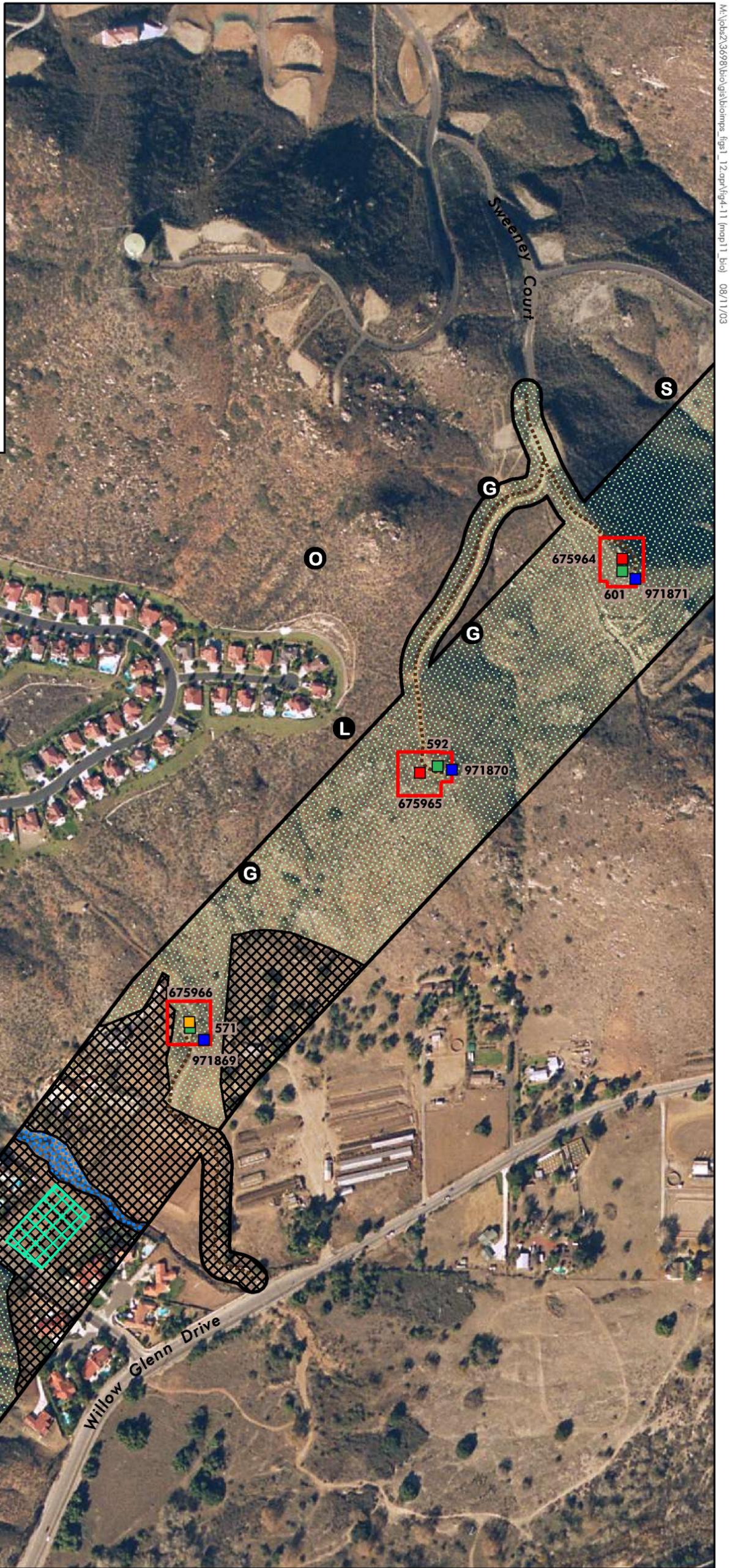
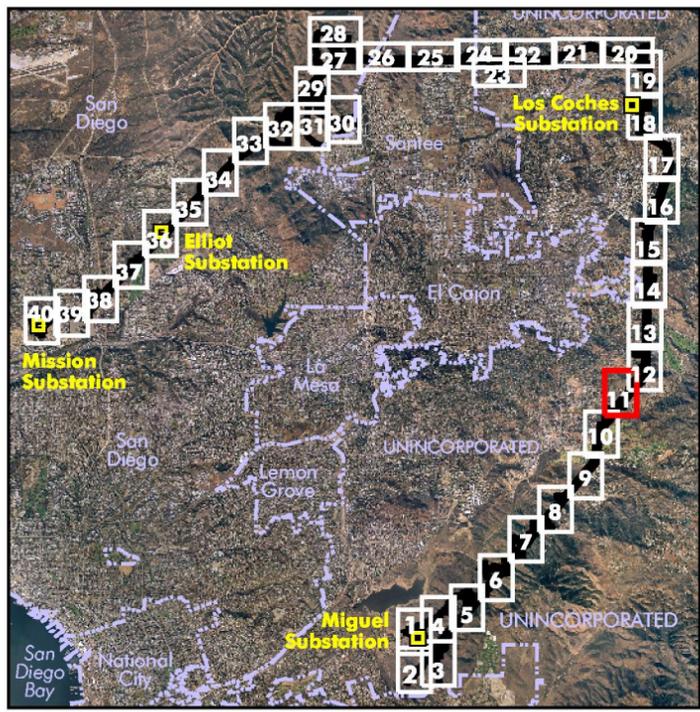


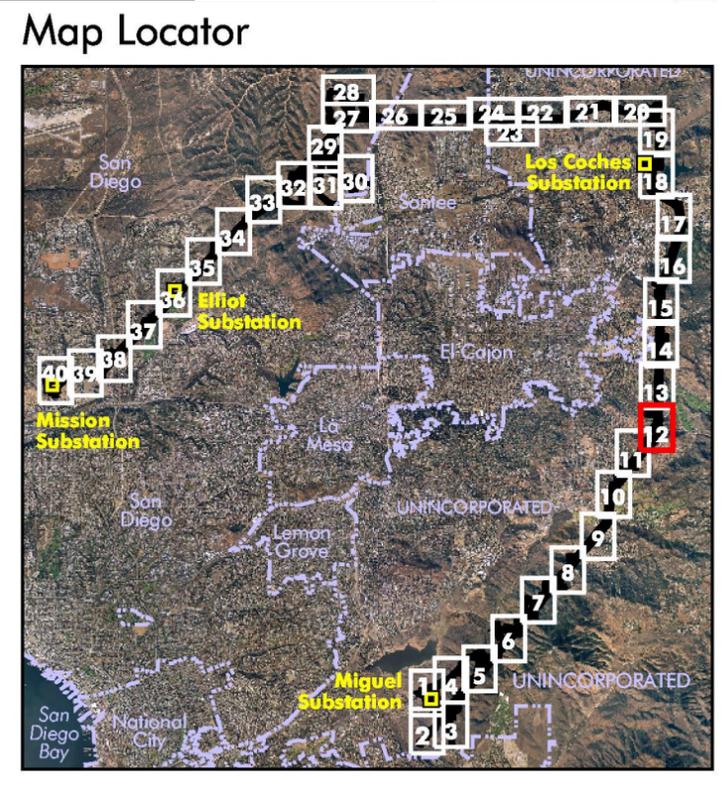
Image Source: Copyright 2001 AirPhotoUSA, LLC, All Rights Reserved (flown January 2001)

<ul style="list-style-type: none"> ■ Existing 230kV lattice tower (Source: SDG&E May 20, 2003) ■ Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003) ■ Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003) ■ Proposed 69/138 kV structure (Source: SDG&E May 8, 2003) 	<ul style="list-style-type: none"> Impact areas around towers/structures - 150' x 150' work area around existing towers to be modified to or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures Stringing/staging site (Source: SDG&E May 20, 2003) SDG&E access road Survey area 	<p>Vegetation communities (Source: Essex, 2002; modified by Recon, May 2003)</p> <ul style="list-style-type: none"> Coastal sage scrub Southern willow scrub Southern cottonwood-willow riparian forest Developed <p>Sensitive species locations (Source: Recon, May 2003)</p> <ul style="list-style-type: none"> ○ Belding's orange-throated whiptail 	<p>Sensitive species locations (Source: Essex, October 2002)</p> <ul style="list-style-type: none"> G Coastal California gnatcatcher L San Diego horned lizard M Southern mule deer O Belding's orange-throated whiptail R Red-tailed hawk nest S Southern California Rufous-crowned sparrow 	<p style="text-align: right;">0 Feet 400 N</p> <p style="text-align: right;">FIGURE 4-11 Impacts to Existing Biological Resources Map 11</p> <p style="text-align: right;">SDG&E Miguel - Mission 230kV #2</p> <p style="text-align: right;">SDGE A Sempra Energy utility™</p>
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- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003)
- Proposed 69/138 kV structure (Source: SDG&E May 8, 2003)
- SDG&E access road
- Survey area

- Impact areas around towers/structures
- 150' x 150' work area around existing towers to be modified or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- Stringing/snub site (Source: SDG&E May 8, 2003)
- Sensitive species suitable habitat (Source: Recon, May 2003)
- Hermes copper butterfly

- Vegetation communities**
(Source: Essex, 2002; modified by Recon, May 2003)
- Coastal sage scrub
 - Developed
- Sensitive species locations**
(Source: Essex, October 2002)
- Coastal California gnatcatcher
 - Southern mule deer
 - Southern California Rufous-crowned sparrow

- Sensitive species locations**
(Source: Recon, May 2003)
- Cooper's hawk
 - San Diego County viguiera
 - Southern mule deer
 - Southern California Rufous-crowned sparrow



FIGURE 4-12
Impacts to Existing Biological Resources
Map 12

SDG&E Miguel - Mission 230kV #2



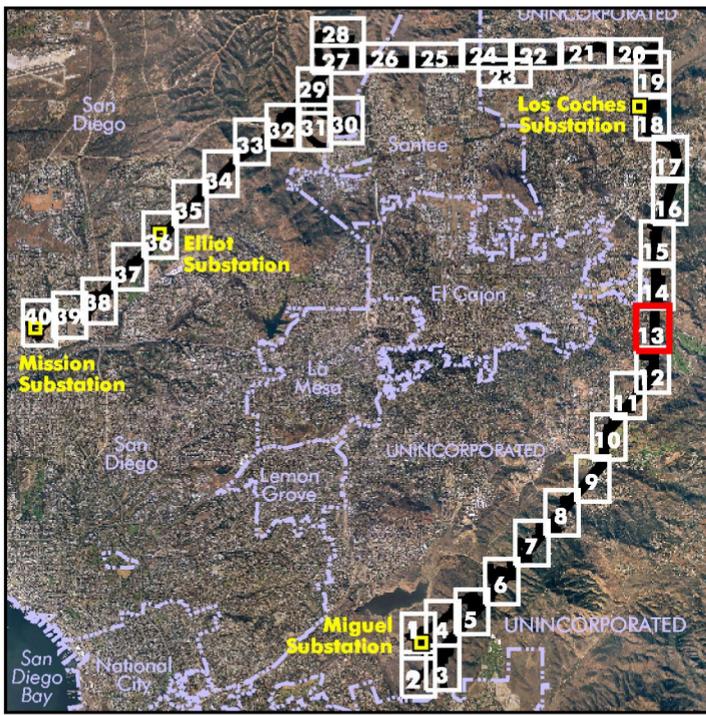


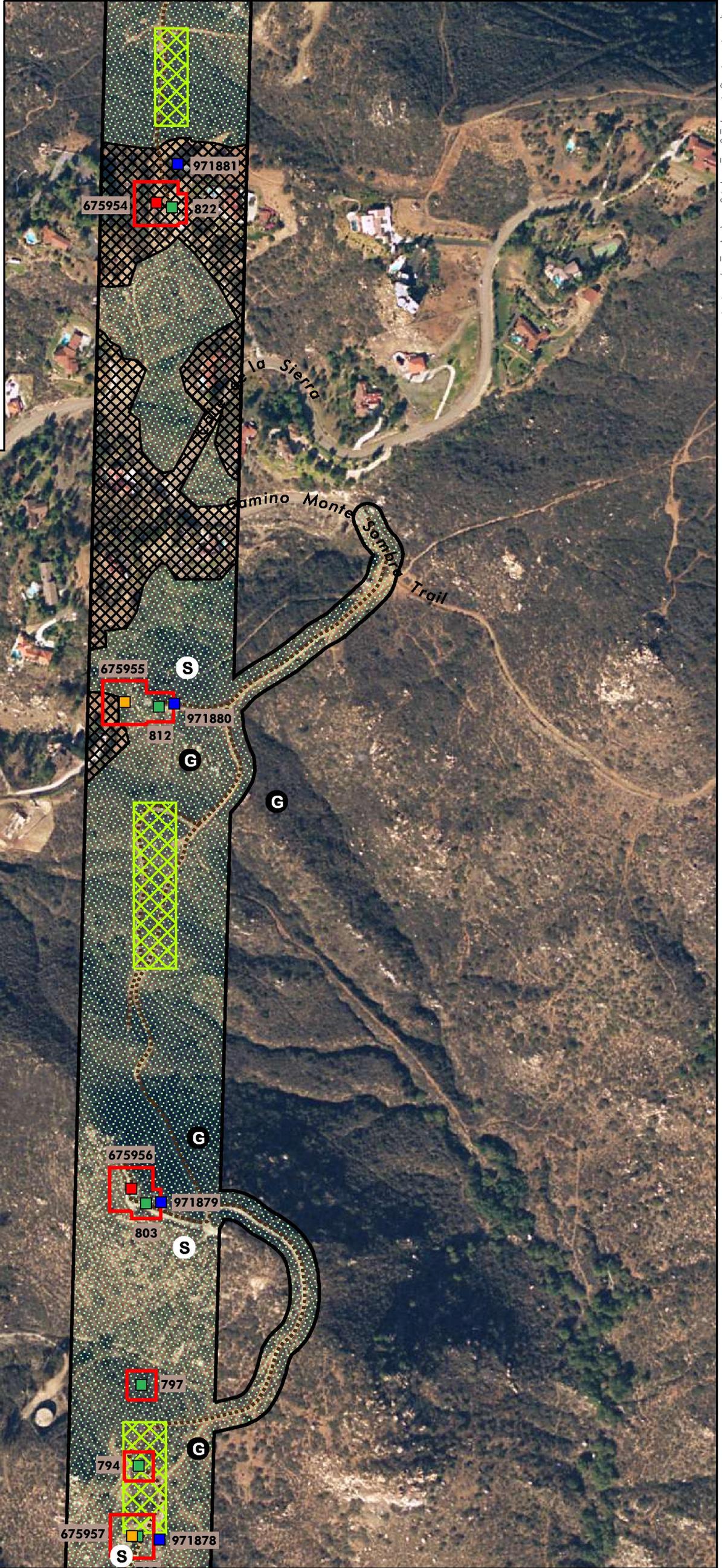
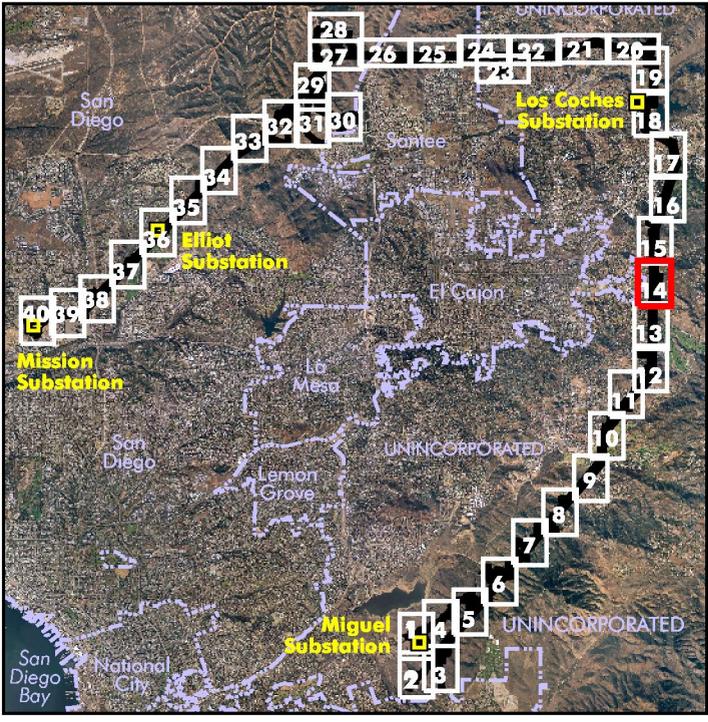
Image Source: Copyright 2001 AirPhotoUSA, LLC, All Rights Reserved (flown January 2001)

Map 13-25-airphoto-usa-13 (map 13.dwg) 08/11/03

- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003)
- Proposed 69/138kV structure (Source: SDG&E May 8, 2003)
- Impact areas around towers/structures
- 150' x 150' work area around existing towers to be replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV
- Stringing/snub site (Source: SDG&E May 8, 2003)
- SDG&E access road
- Survey area
- Vegetation communities** (Source: Essex, 2002; modified by Recon, May 2003)
 - Coastal sage scrub
 - Southern coast live oak riparian forest
 - Southern willow scrub
 - Developed
- Sensitive species locations** (Source: Essex, October 2002)
 - O Belding's orange-throated whiptail
 - S Southern California rufous-crowned sparrow (Source: Recon, May 2003)
 - S Southern California rufous-crowned sparrow



FIGURE 4-13
Impacts to Existing Biological Resources
Map 13
 SDG&E Miguel - Mission 230kV #2



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<ul style="list-style-type: none"> ■ Existing 230kV lattice tower (Source: SDG&E May 20, 2003) ■ Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003) ■ Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003) ■ Proposed 69/138kV structure (Source: SDG&E May 8, 2003) 	<ul style="list-style-type: none"> Impact areas around towers/structures - 150' x 150' work area around existing towers to be modified to or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures Stringing/snub site (Source: SDG&E May 8, 2003) SDG&E access road Survey area 	<p>Vegetation communities (Source: Essex, 2002; modified by Recon, May 2003)</p> <ul style="list-style-type: none"> Coastal sage scrub Developed 	<p>Sensitive species locations (Source: Essex, October 2002)</p> <ul style="list-style-type: none"> G Coastal California gnatcatcher O Belding's orange-throated whiptail (Source: Recon, May 2003) S Southern California rufous-crowned sparrow 	<p>0 Feet 400 N</p>
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FIGURE 4-14
Impacts to Existing Biological Resources
Map 14

SDG&E Miguel - Mission 230kV #2

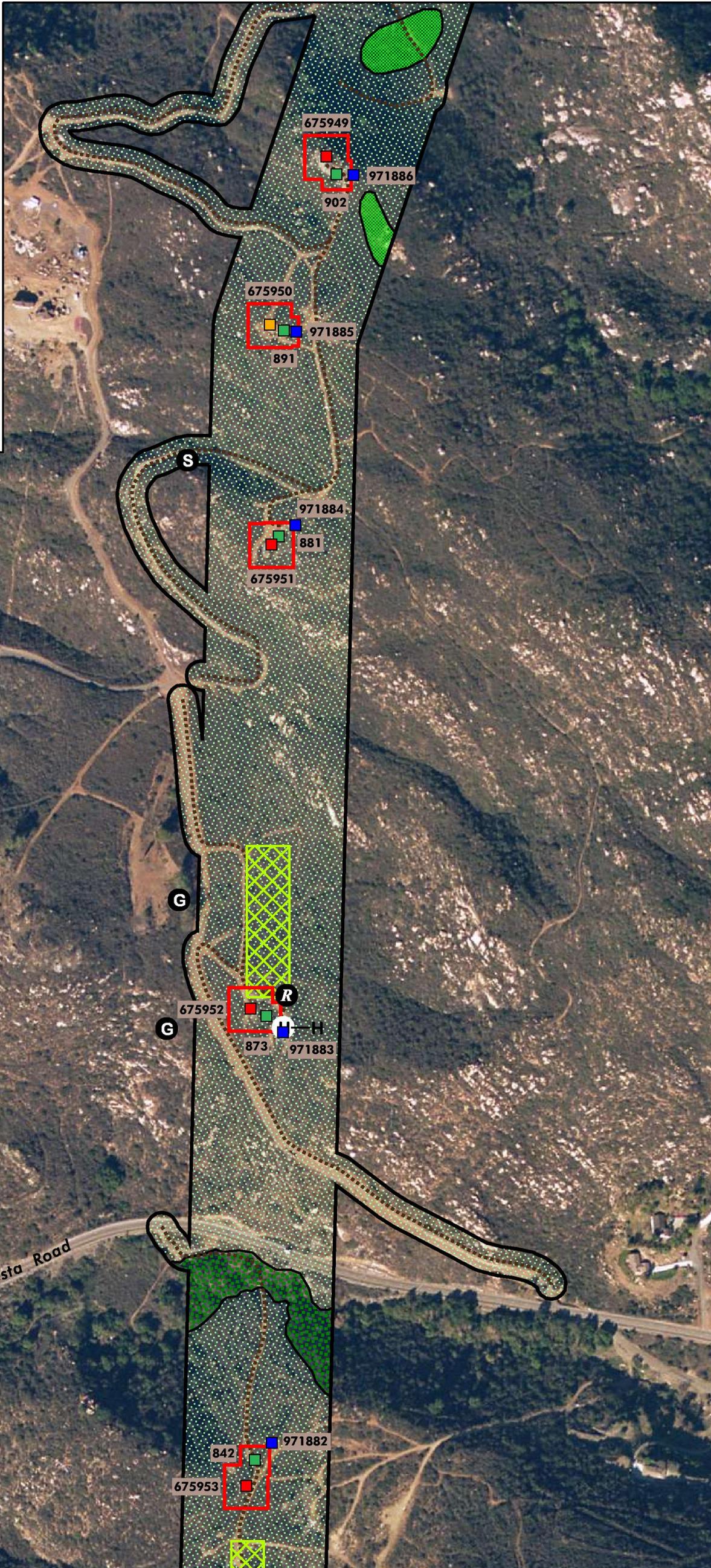
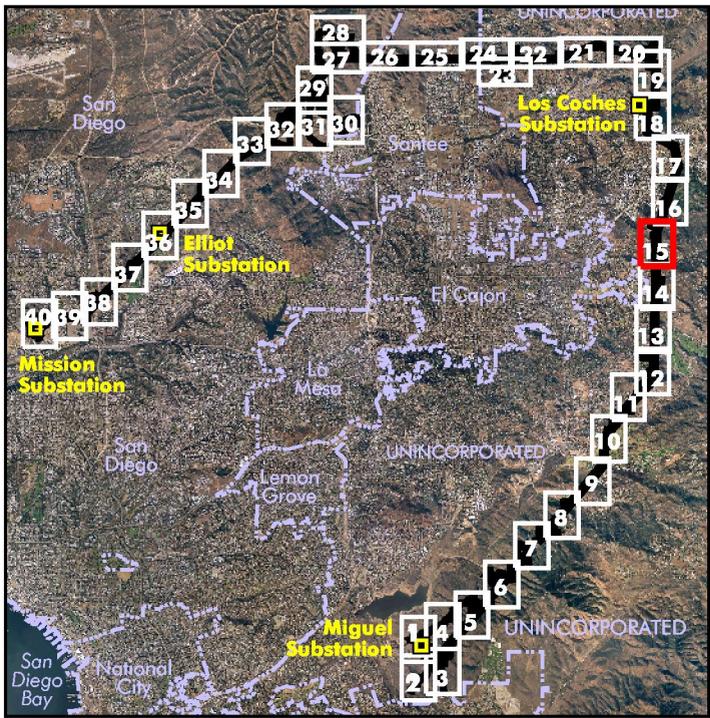


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- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003)
- Proposed 69/138kV structure (Source: SDG&E May 8, 2003)

- Impact areas around towers/structures
- 150' x 150' work area around existing towers to be modified or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- Stringing/snub site (Source: SDG&E May 8, 2003)
- SDG&E access road
- Survey area

- Vegetation communities**
(Source: Essex, 2002; modified by Recon, May 2003)
- Coastal sage scrub
 - Southern mixed chaparral
 - Southern coast live oak riparian forest

- Sensitive species locations**
(Source: Essex, October 2002)
- G Coastal California gnatcatcher
 - R Red-tailed hawk nest
 - S Southern California rufous-crowned sparrow
 - H Red-tailed hawk
- (Source: Recon, May 2003)



FIGURE 4-15
Impacts to Existing Biological Resources
Map 15
SDG&E Miguel - Mission 230kV #2

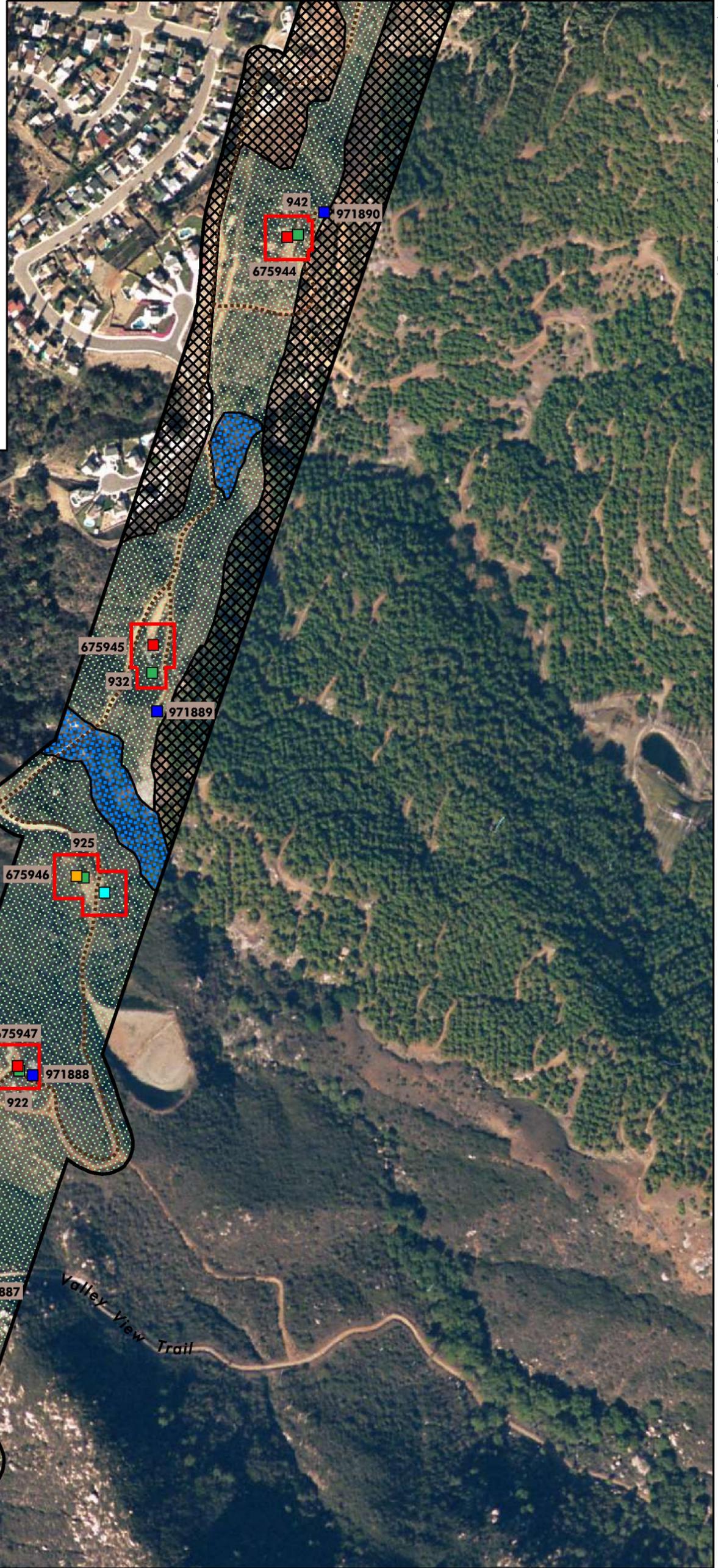
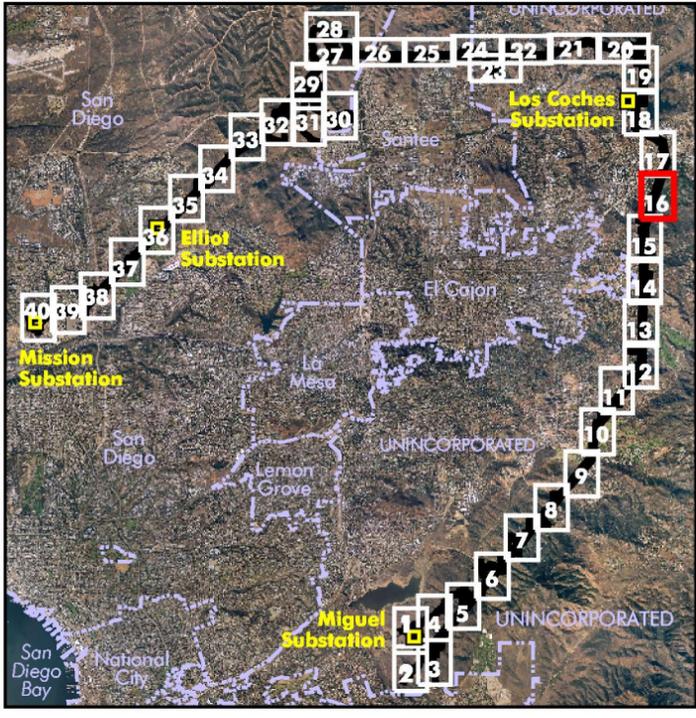


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M:\jobs\23698\bio\shelbomps_fig13_25.apr\fig4-16 (map) 6 bio 08/11/03

- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV structure (Source: SDG&E May 20, 2003)
- Proposed 69/138kV structure (Source: SDG&E May 8, 2003)
- Proposed 230kV pole structure (Source: SDG&E May 20, 2003)

- Impact areas around towers/structures
- 150' x 150' work area around proposed/existing towers to be modified to or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- SDG&E access road
- Survey area

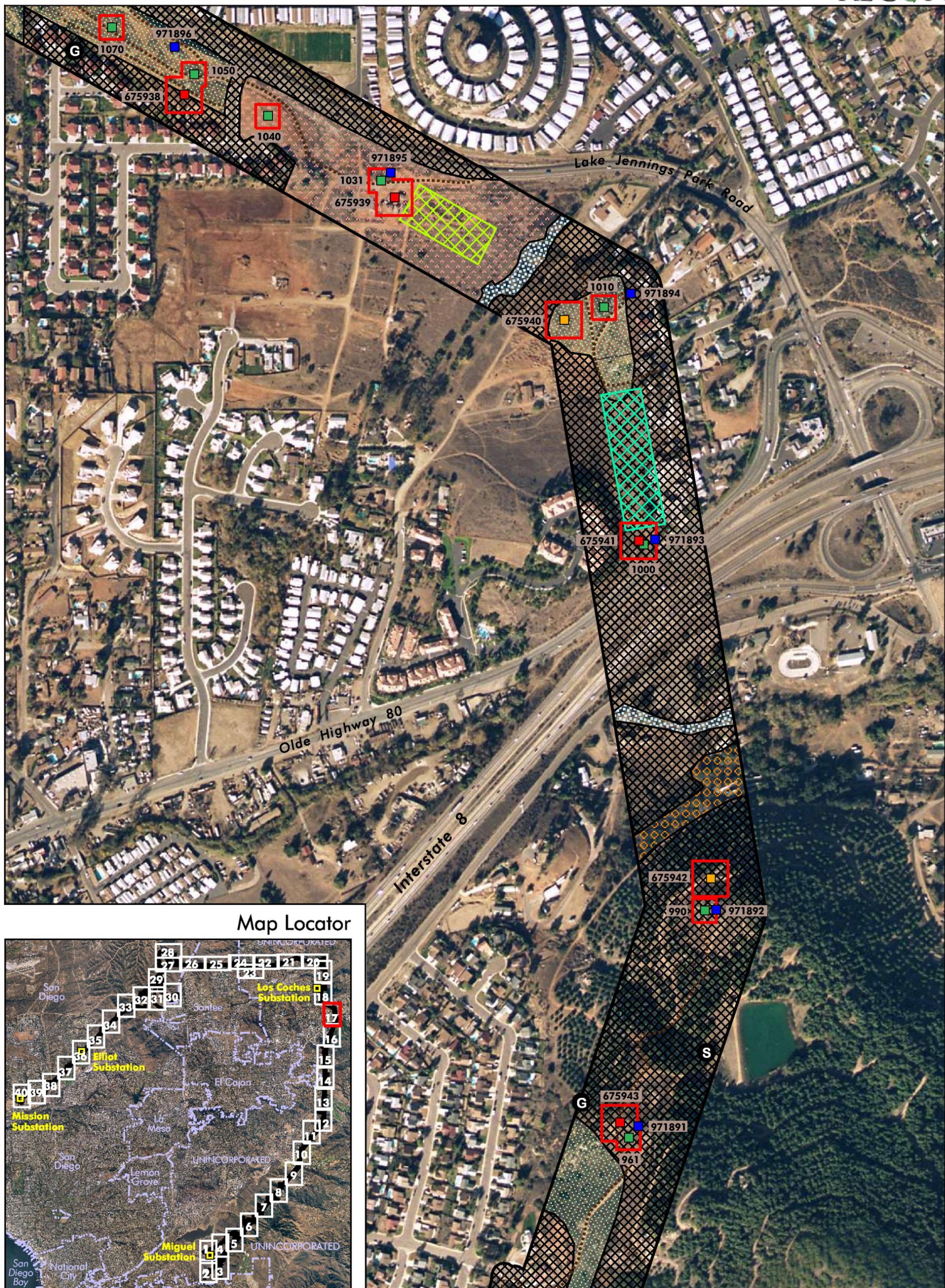
- Vegetation communities (Source: Essex, 2002; modified by Recon, May 2003)
- Coastal sage scrub
 - Southern mixed chaparral
 - Southern cottonwood-willow riparian forest
 - Developed



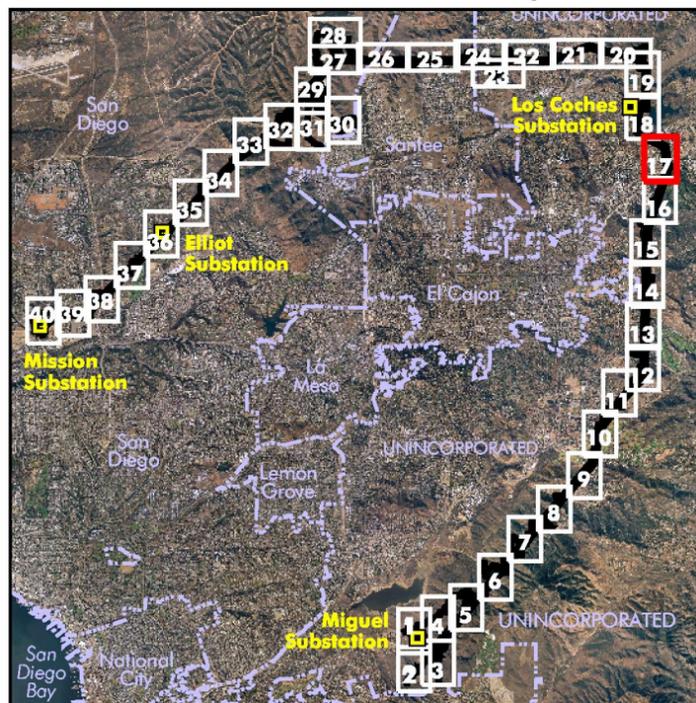
FIGURE 4-16
Impacts to Existing Biological Resources
Map 16

SDG&E Miguel - Mission 230kV #2





Map Locator



- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003)
- Proposed 69/138kV structure (Source: SDG&E May 8, 2003)
- Impact areas around towers/structures
- 150' x 150' work area around existing towers to be modified to or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- Stringing/snub site (Source: SDG&E May 8, 2003)
- Stringing/staging site (Source: SDG&E May 20, 2003)

- SDG&E access road
- Survey area

- Vegetation communities (Source: Essex, 2002; modified by Recon, May 2003)
- Coastal sage scrub
 - Southern willow scrub
 - Coast live oak woodland
 - Ruderal
 - Developed

- Sensitive species locations (Source: Essex, October 2002)
- G Coastal California gnatcatcher
 - S Southern California rufous-crowned sparrow



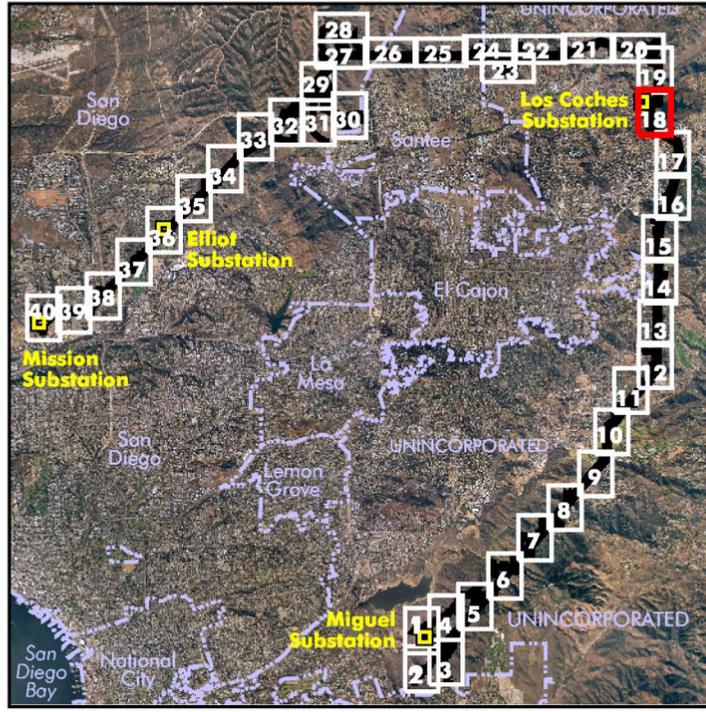
FIGURE 4-17
Impacts to Existing Biological Resources
Map 17

SDG&E Miguel - Mission 230kV #2





Map Locator



- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003)
- Proposed 69/138kV structure (Source: SDG&E May 8, 2003)
- SDG&E access road
- Survey area

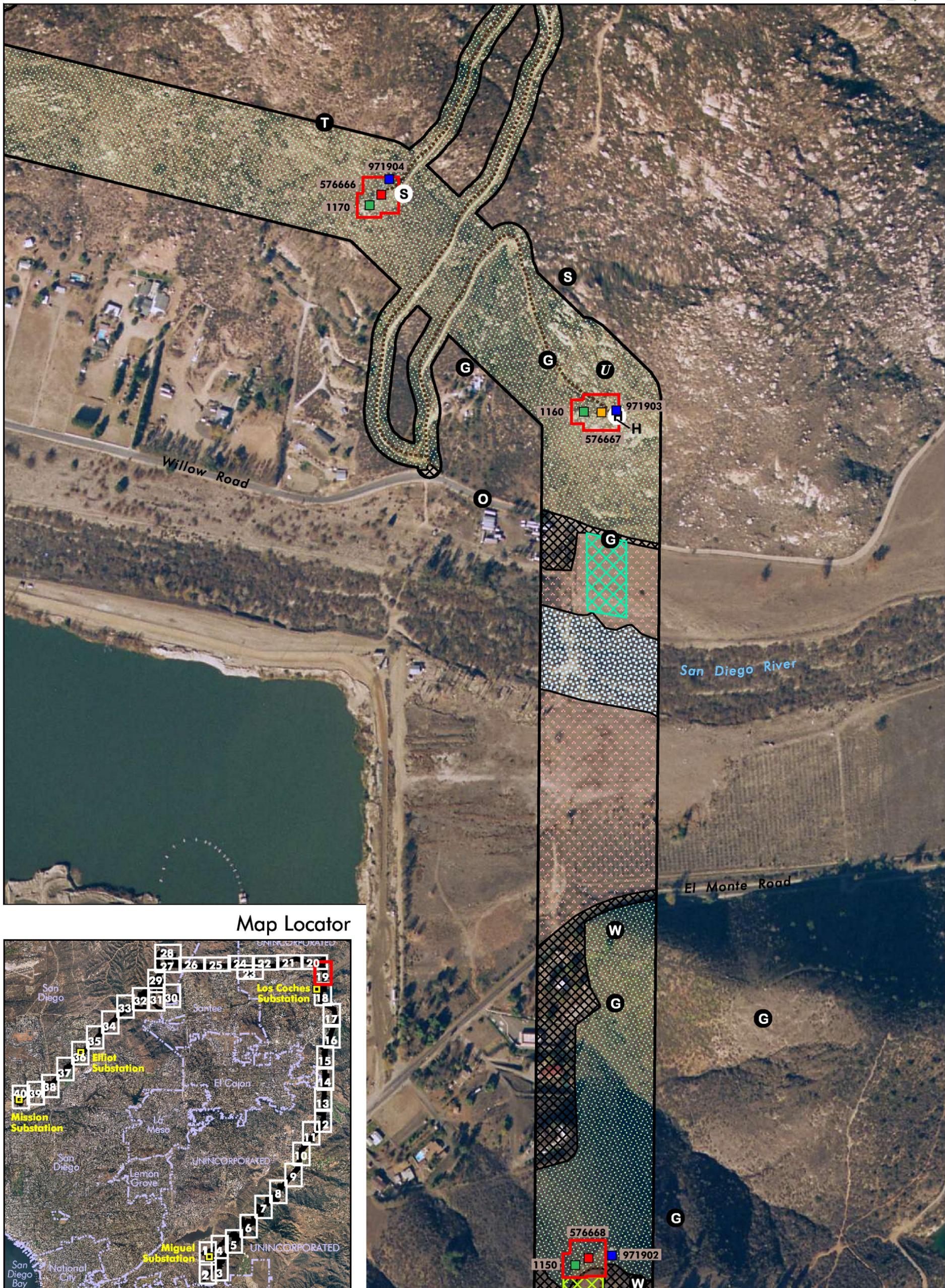
- Impact areas around towers/structures
- 150' x 150' work area around existing towers to be modified to or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV
- Stringing/snub site (Source: SDG&E May 8, 2003)
- Vegetation communities** (Source: Essex, 2002; modified by Recon, May 2003)
 - Coastal sage scrub
 - Maritime succulent scrub
 - Ruderal
 - Developed

- Sensitive species locations** (Source: Essex, October 2002)
 - C Cooper's hawk
 - G Coastal California gnatcatcher
 - M Southern mule deer
 - O Belding's orange-throated whiptail
 - R Red-shouldered hawk nest
 - R Red-tailed hawk nest
 - S Southern California rufous-crowned sparrow
 - W Coastal cactus wren

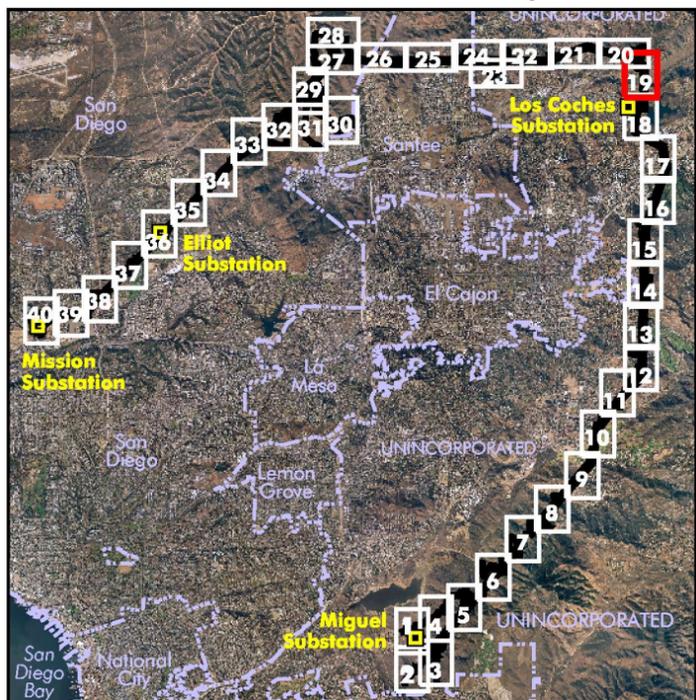
- Sensitive species locations** (Source: Recon, May 2003)
 - H Red-tailed hawk nest
 - W Coastal cactus wren



FIGURE 4-18
Impacts to Existing Biological Resources
Map 18
 SDG&E Miguel - Mission 230kV #2
 A utility



Map Locator



- Existing 230kV lattice tower (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be modified to 230 kV (Source: SDG&E May 20, 2003)
- Existing 69/138kV lattice tower to be replaced with 230 kV (Source: SDG&E May 20, 2003)
- Proposed 69/138kV structure (Source: SDG&E May 8, 2003)

- Impact areas around towers/structures - 150' x 150' work area around existing towers to be modified to or replaced with 230 kV plus 100' x 100' work area around proposed 69/138kV structures
- Stringing/snub site (Source: SDG&E May 8, 2003)
- Stringing/staging site (Source: SDG&E May 20, 2003)

Sensitive species locations (Source: Essex, October 2002)

- ⓐ Coastal California gnatcatcher
- ⓐ Belding's orange-throated whiptail
- ⓐ Southern California rufous-crowned sparrow
- ⓐ Mountain lion
- ⓐ Unidentified raptor nest
- ⓐ Coastal cactus wren

Vegetation communities (Source: Essex, 2002; modified by Recon, May 2003)

- Coastal sage scrub
- Maritime succulent scrub
- Southern willow scrub
- Ruderal
- Developed



FIGURE 4-19
Impacts to Existing Biological Resources
Map 19

SDG&E Miguel - Mission 230kV #2

