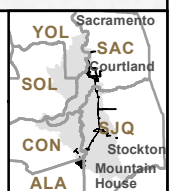
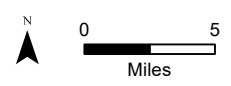


Study Area
 Proposed Project Area
 Modeled Habitat
Crotch Bumble Bee



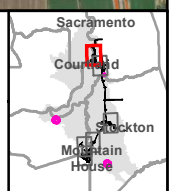
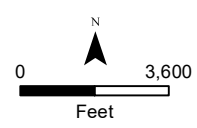
Impacts to Crotch Bumble Bee Modeled Habitat from the Water Conveyance Facility Footprint Overview
 Figure 4.10-1



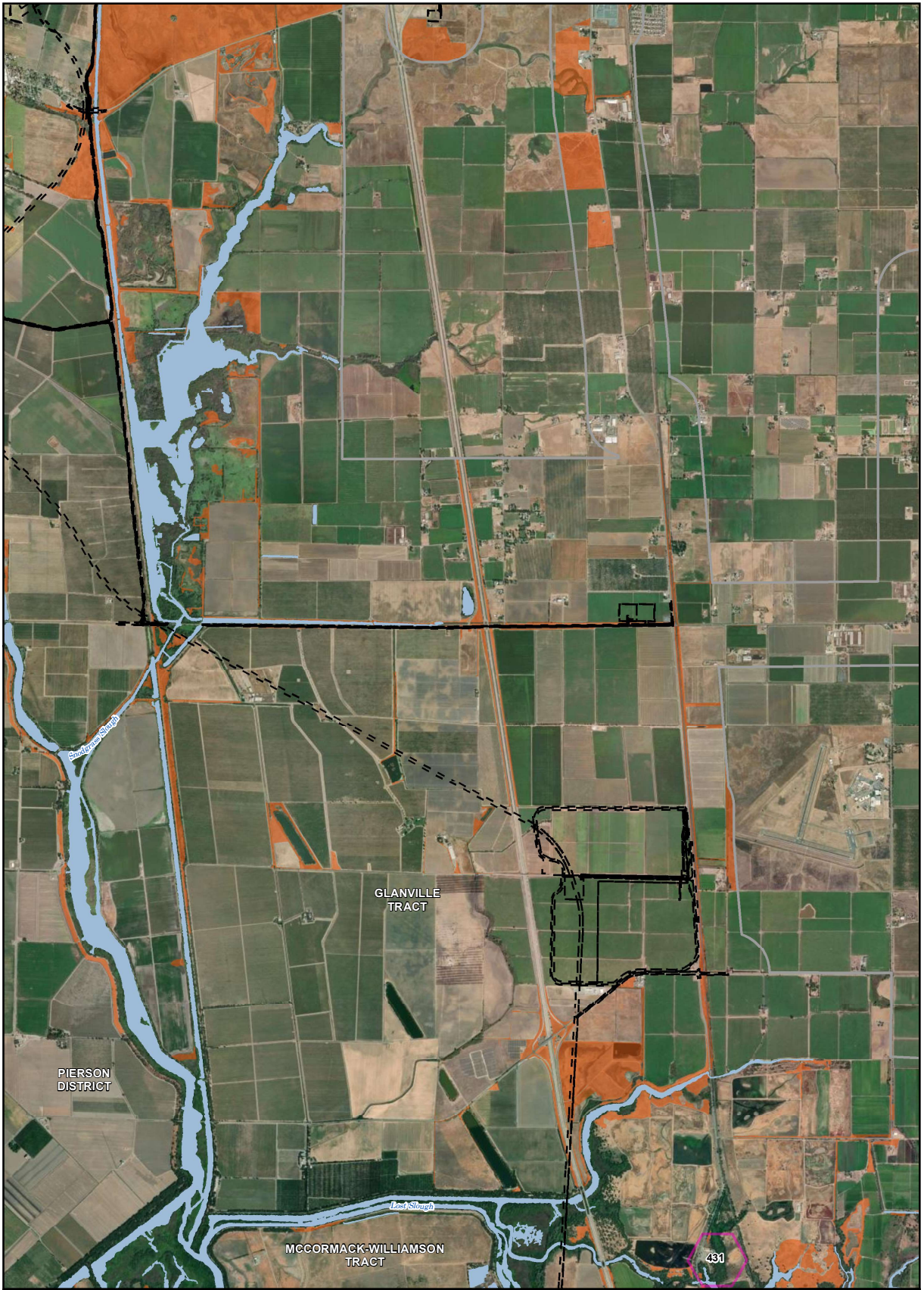
Study Area	Crotch Bumble Bee
Proposed Project Area	Modeled Habitat
Project Feature	Crotch Bumble Bee CNDBB Occurrence*

Sources: DWR (DC02hB) 2022;
ICF 2022; ESRI 2022, CNDBB 2022

* Locations shown are spatially obfuscated.



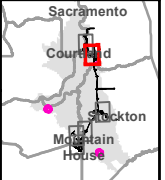
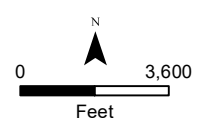
Crotch Bumble Bee CNDBB Occurrences
Proposed Project Area
North Delta Intakes Regional View
Figure 4.10-2



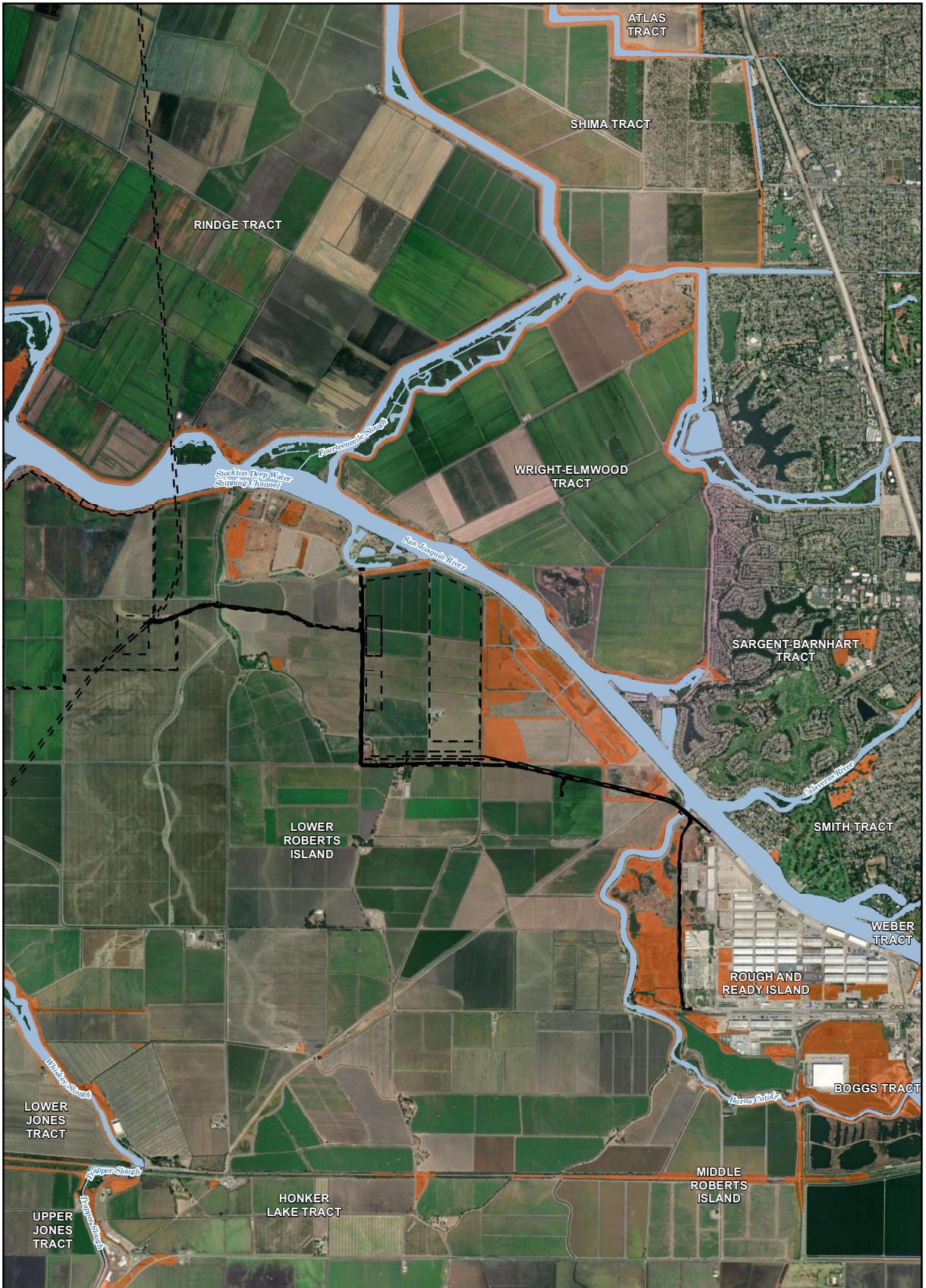
- | | |
|-----------------------|-------------------------------------|
| Study Area | Crotch Bumble Bee |
| Proposed Project Area | Modeled Habitat |
| Project Feature | Crotch Bumble Bee CNDBB Occurrence* |

Sources: DWR (DC02hB) 2022;
ICF 2022; ESRI 2022, CNDBB 2022

* Locations shown are spatially obfuscated.



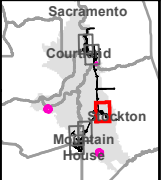
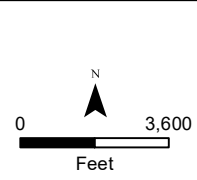
Crotch Bumble Bee CNDBB Occurrences
Proposed Project Area
Twin Cities Complex Regional View
Figure 4.10-3



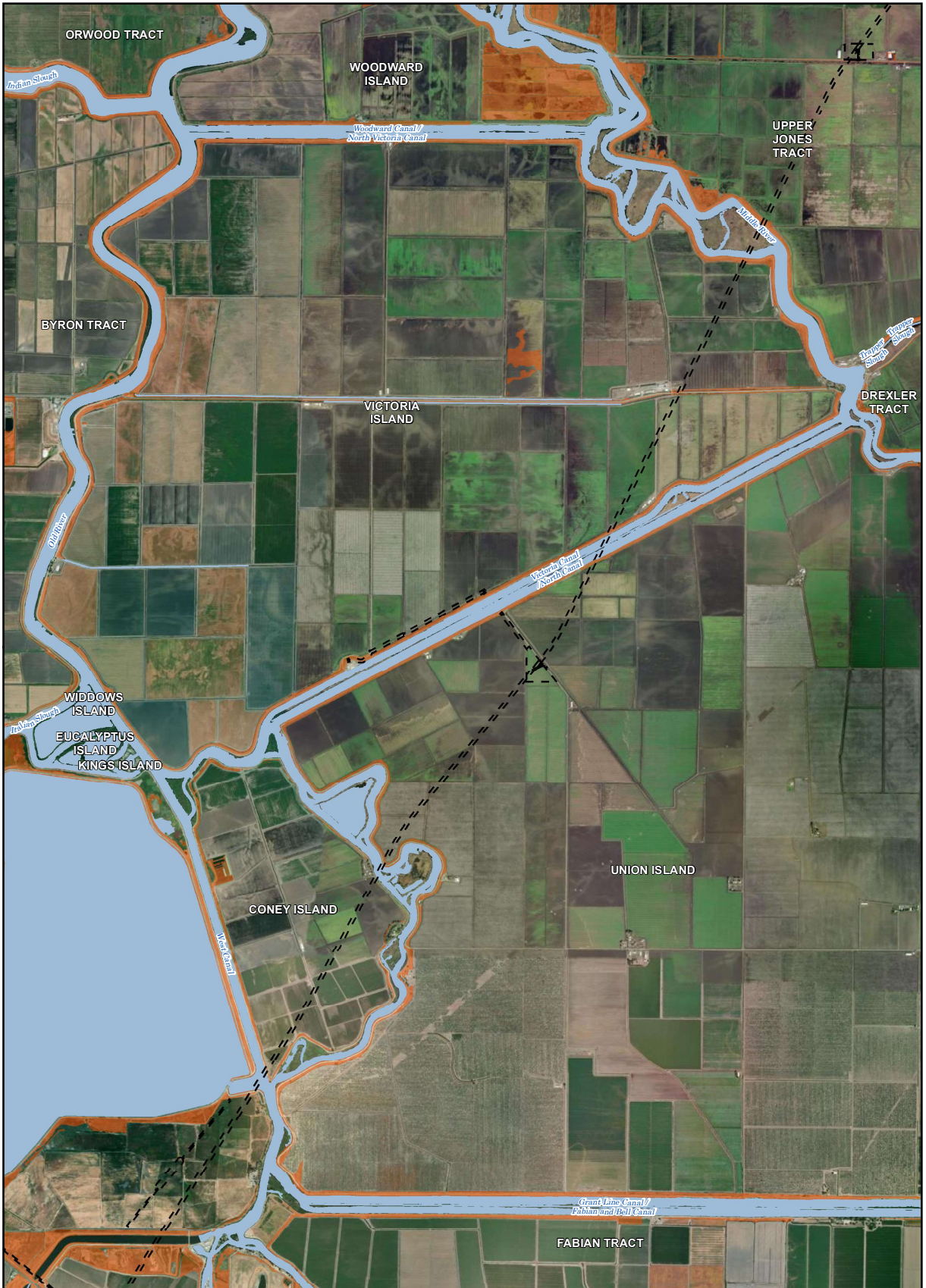
Study Area	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Crotch Bumble Bee CNDDB Occurrence*
Project Feature	

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022, CNDDB 2022

* Locations shown are spatially obfuscated.

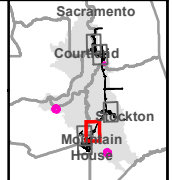
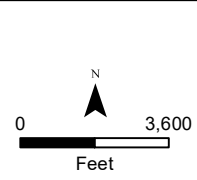


Crotch Bumble Bee CNDDB Occurrences
Proposed Project Area
Lower Roberts Island Regional View
Figure 4.10-4

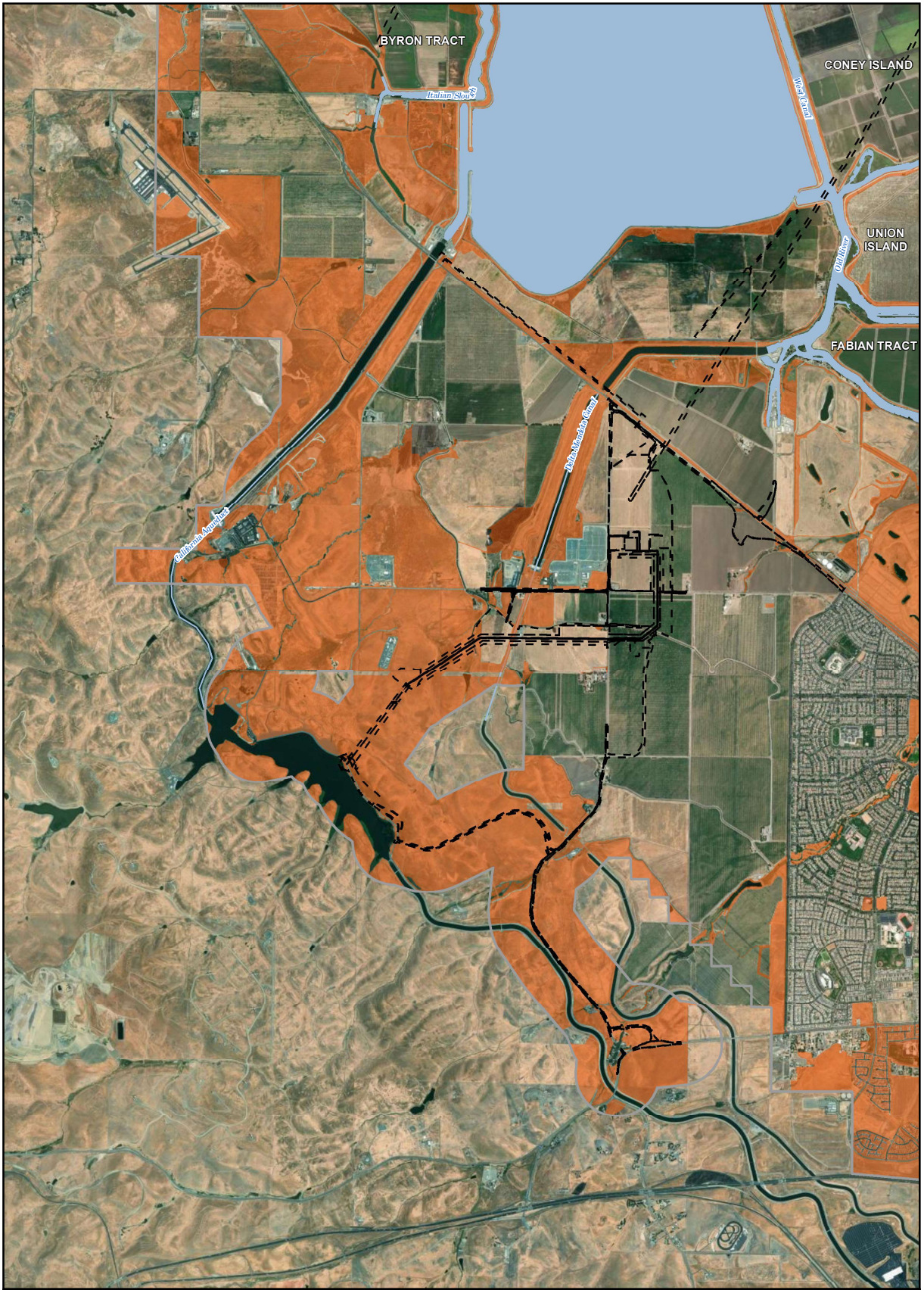




Study Area
 Proposed Project Area
 Project Feature
 Modeled Habitat
 Crotch Bumble Bee CNDDB Occurrence*

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022, CNDDB 2022 * Locations shown are spatially obfuscated.



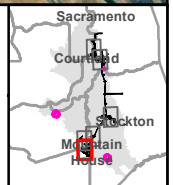
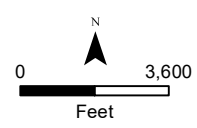
Crotch Bumble Bee CNDDB Occurrences
Proposed Project Area
CCWD Interconnection Regional View
Figure 4.10-5



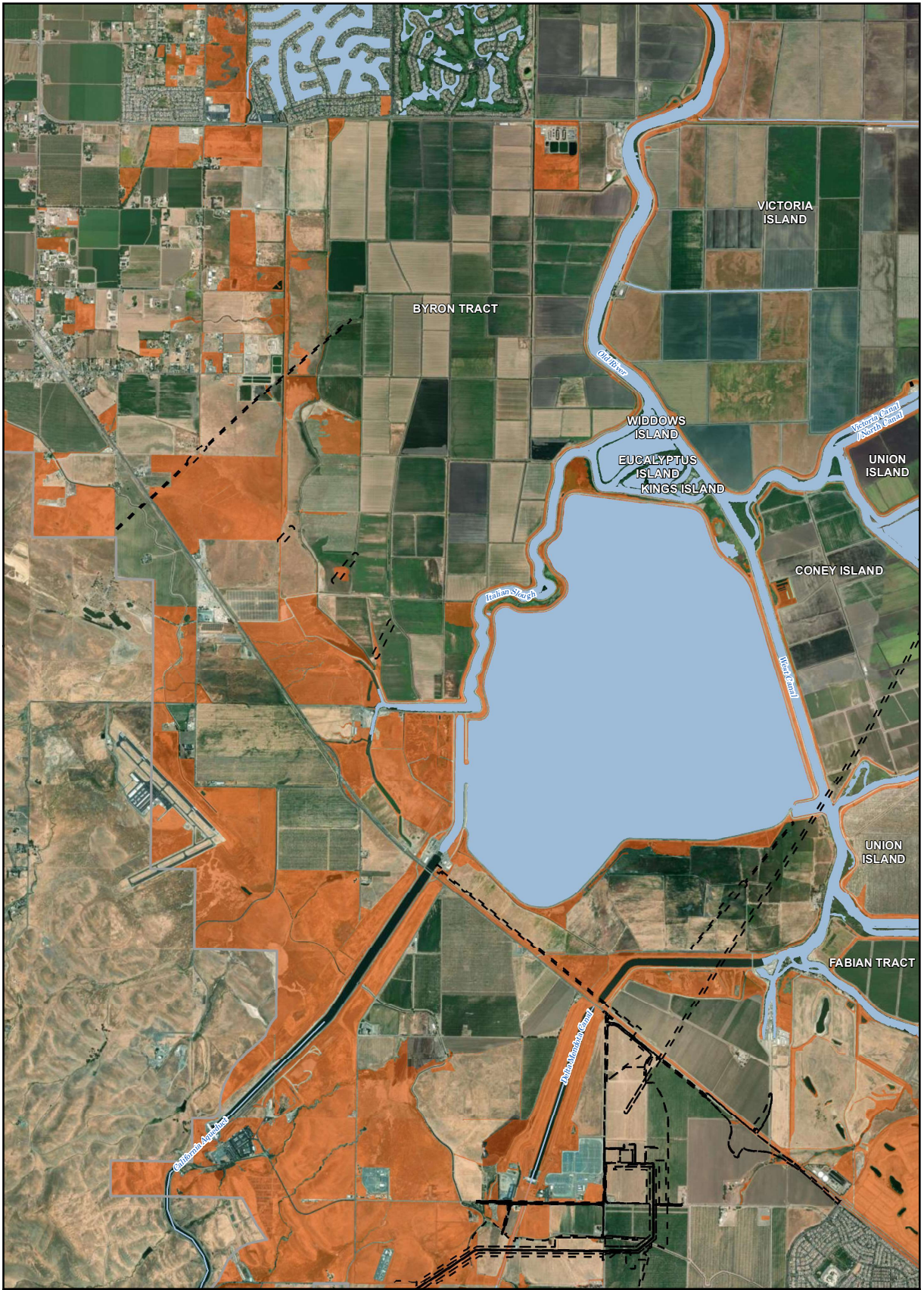
- | | |
|---|--|
|  Study Area | Crotch Bumble Bee |
|  Proposed Project Area |  Modeled Habitat |
|  Project Feature |  Crotch Bumble Bee CNDDDB Occurrence* |






Sources: DWR (DC02hB) 2022;
ICF 2022; ESRI 2022, CNDDDB 2022

* Locations shown are spatially obfuscated.



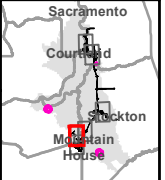
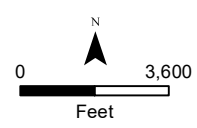
**Crotch Bumble Bee CNDDDB Occurrences
Proposed Project Area
Bethany Complex Regional View
Figure 4.10-6**



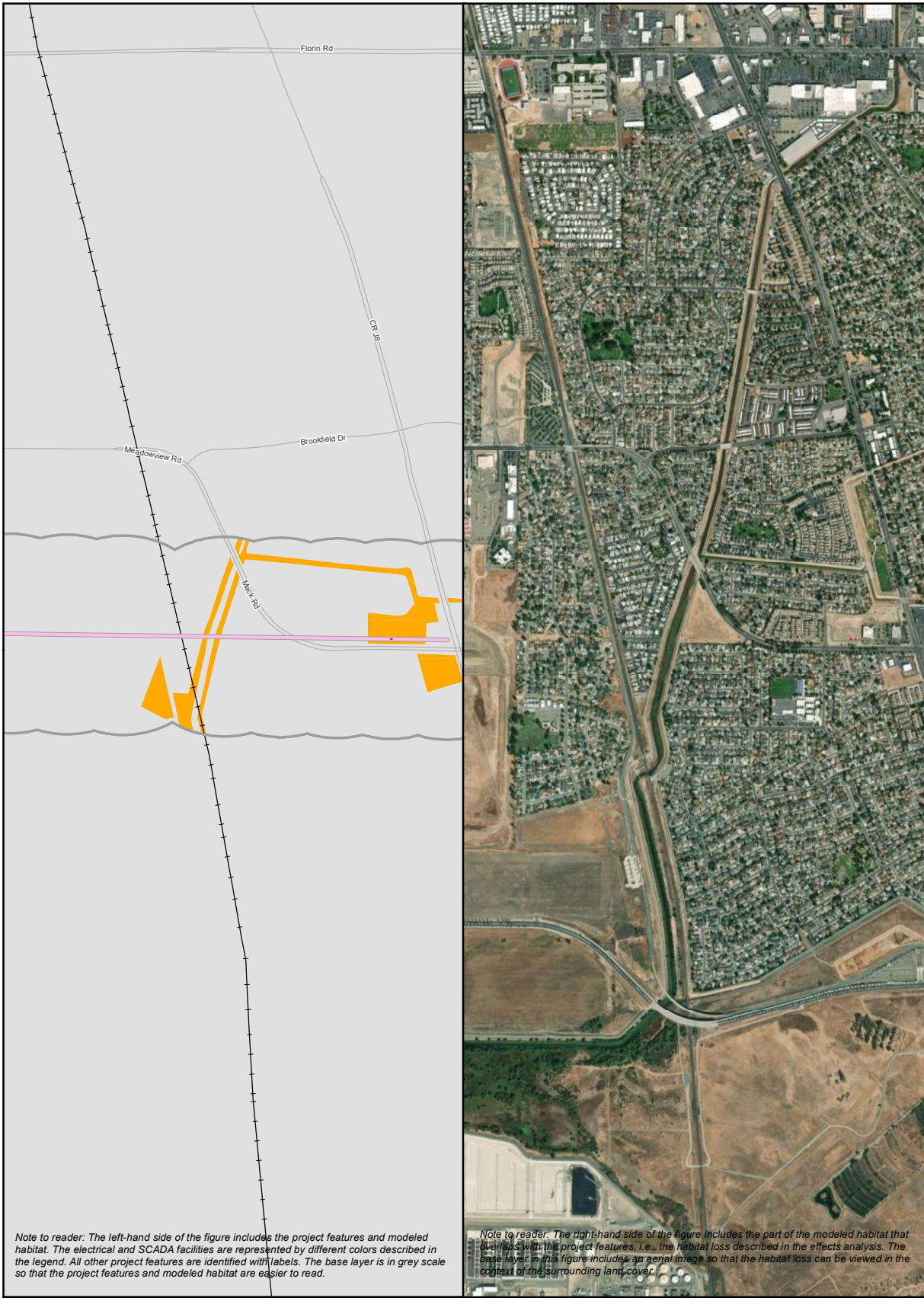
 Study Area	 Modeled Habitat
 Proposed Project Area	 Crotch Bumble Bee CNDDB Occurrence*
 Project Feature	

Sources: DWR (DC02hB) 2022;
ICF 2022; ESRI 2022, CNDDDB 2022

* Locations shown are spatially obfuscated.



**Crotch Bumble Bee CNDDB Occurrences
Proposed Project Area
West Tracy Fault Regional View
Figure 4.10-7**



Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
	SCADA - Underground New	

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

0 1,200 Feet

Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-8

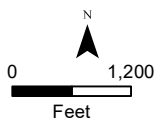


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

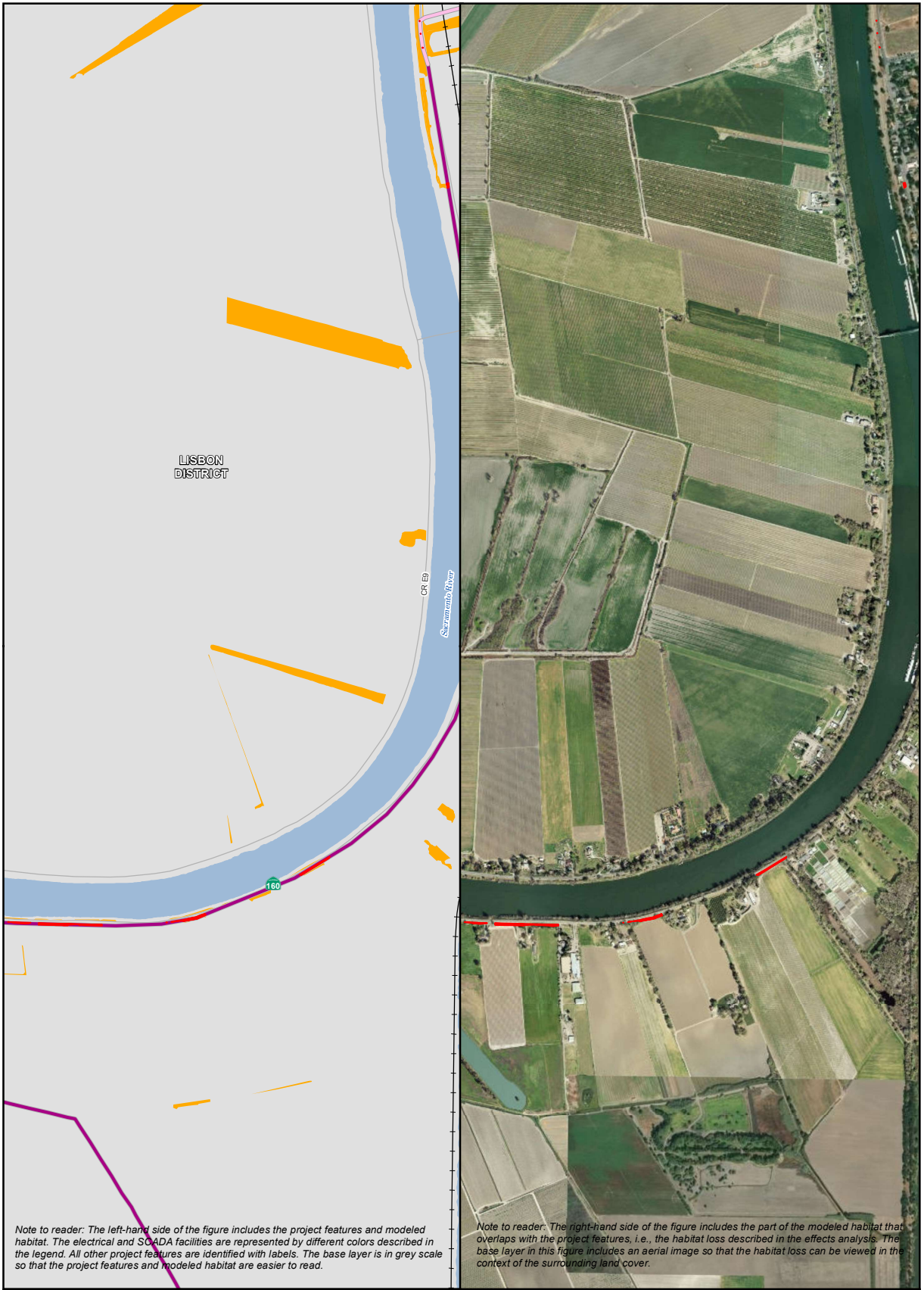
Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction Proposed Project Area
Figure 4.10-9

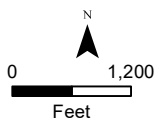


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

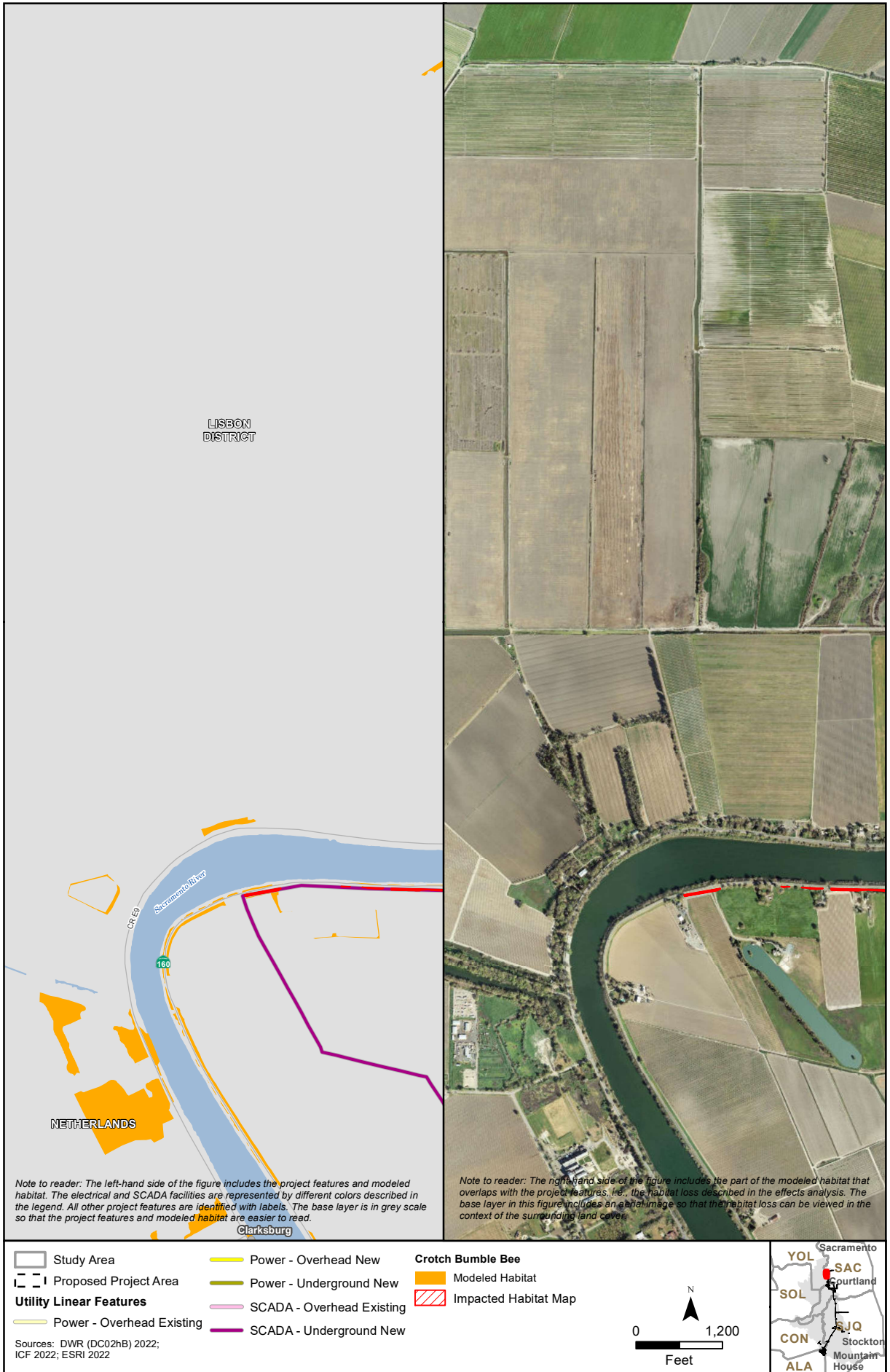
Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

- | | | |
|--------------------------------|---------------------------|--------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee |
| Proposed Project Area | Power - Underground New | Modeled Habitat |
| Utility Linear Features | SCADA - Overhead Existing | Impacted Habitat Map |
| Power - Overhead Existing | SCADA - Underground New | |

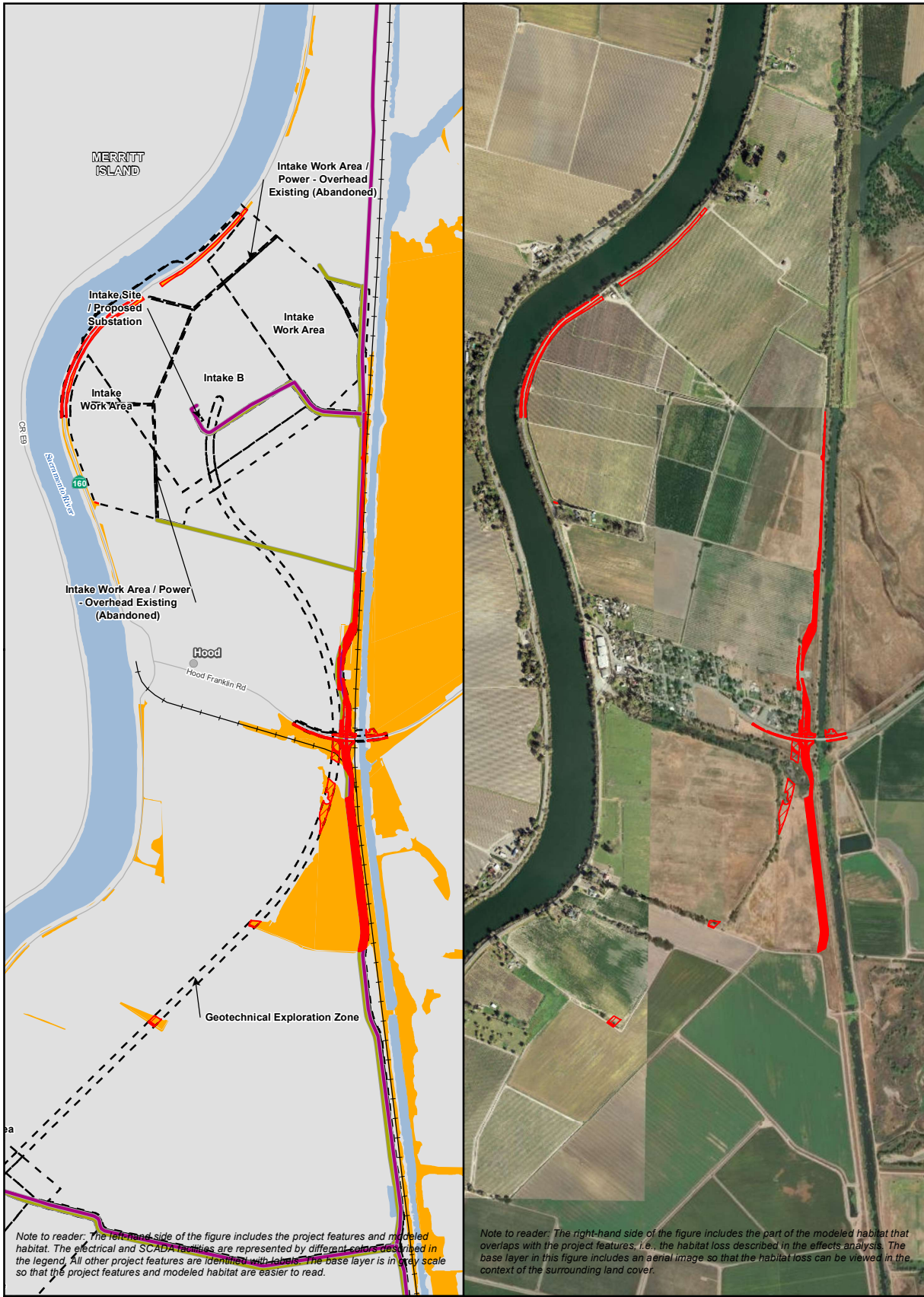
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-10

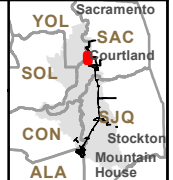
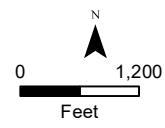


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-11

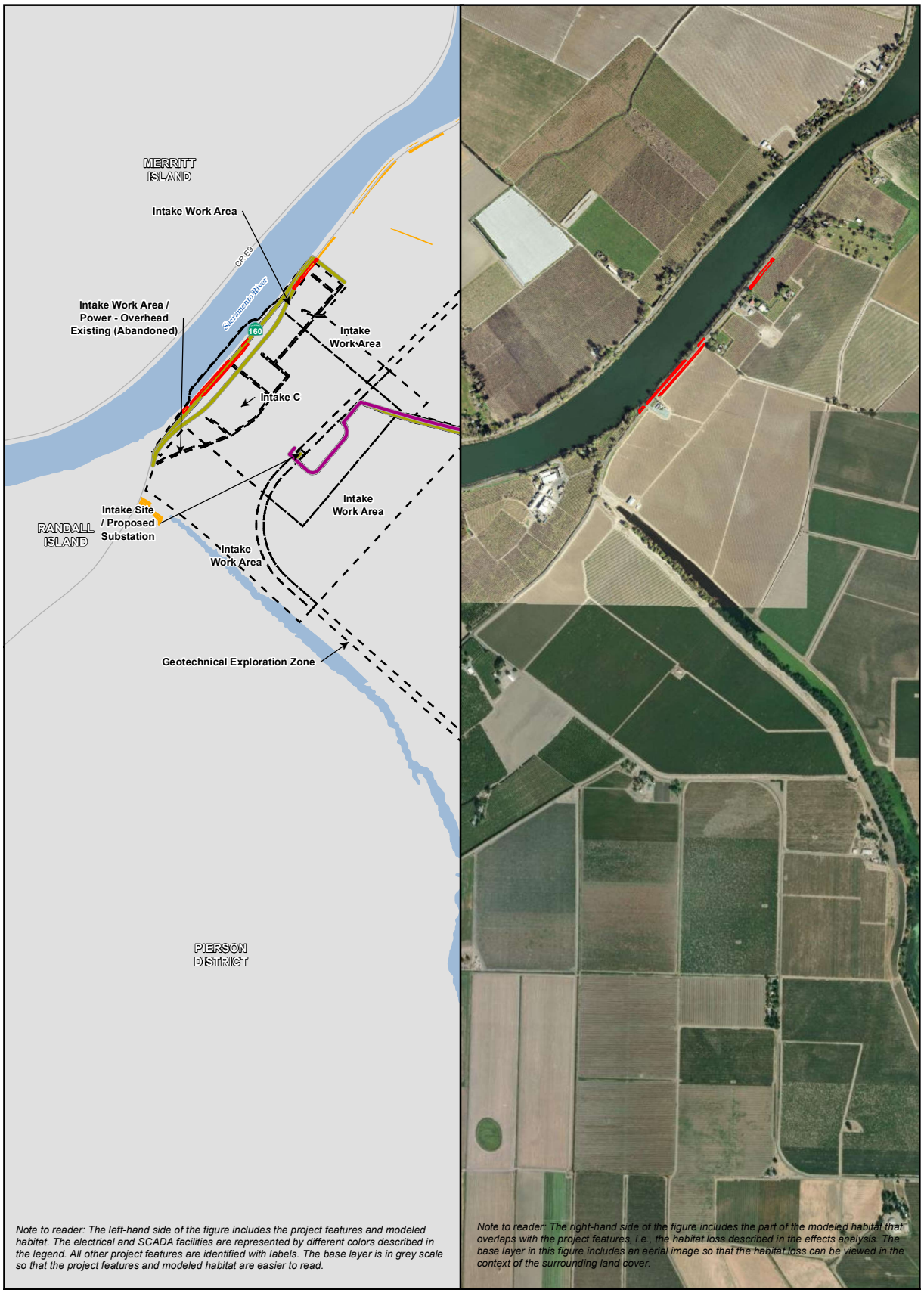


- | | | |
|--------------------------------|---------------------------|----------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee |
| Proposed Project Area | Power - Underground New | Modeled Habitat |
| Utility Linear Features | SCADA - Overhead Existing | Impacted Habitat Map |
| Power - Overhead Existing | SCADA - Underground New | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-12

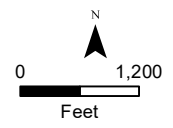


- Study Area
- Proposed Project Area
- Utility Linear Features**
- Power - Overhead Existing

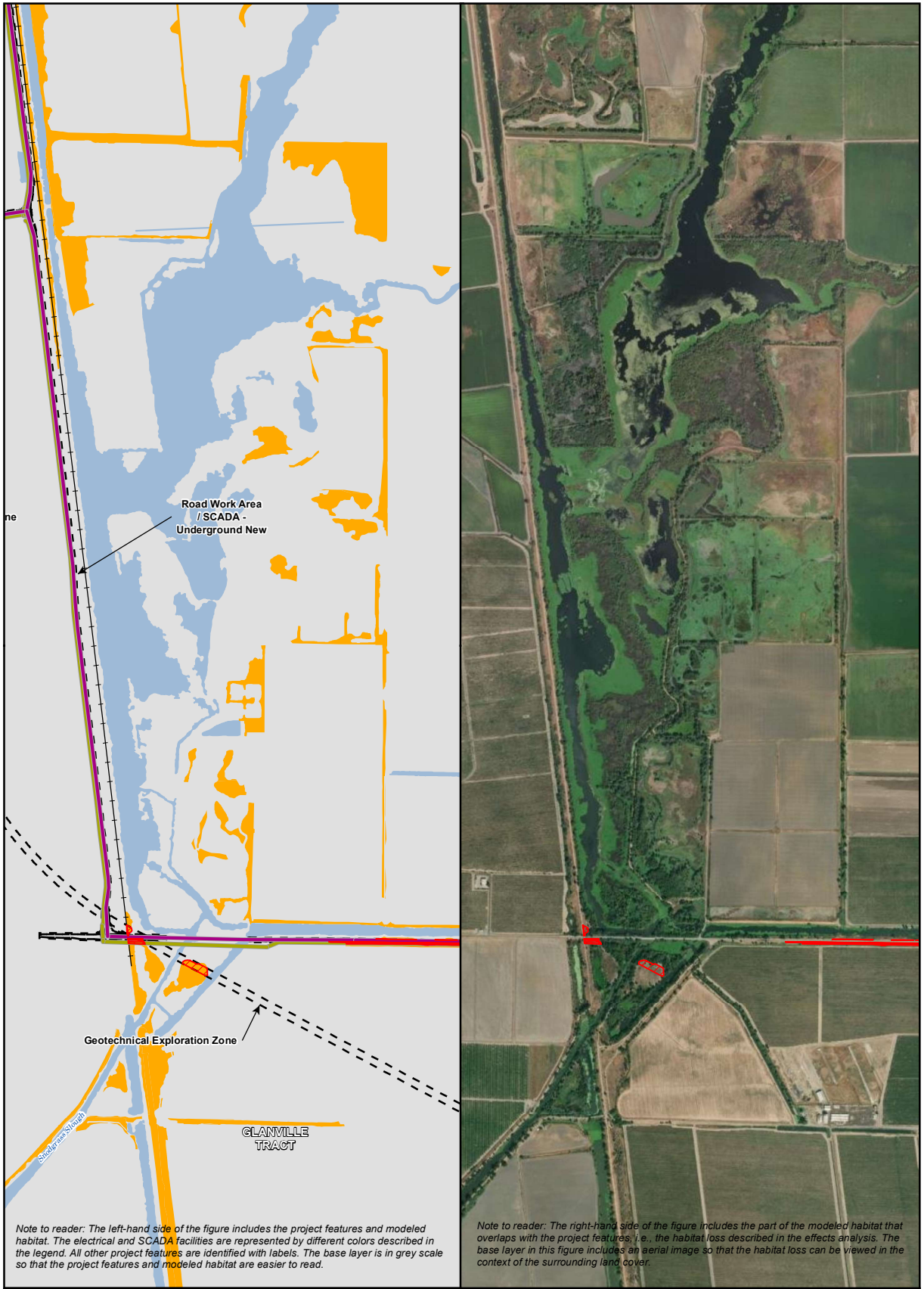
- Power - Overhead New
- Power - Underground New
- SCADA - Overhead Existing
- SCADA - Underground New

- Crotch Bumble Bee**
- Modeled Habitat
- Impacted Habitat Map

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-13

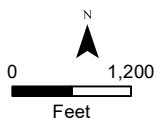


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

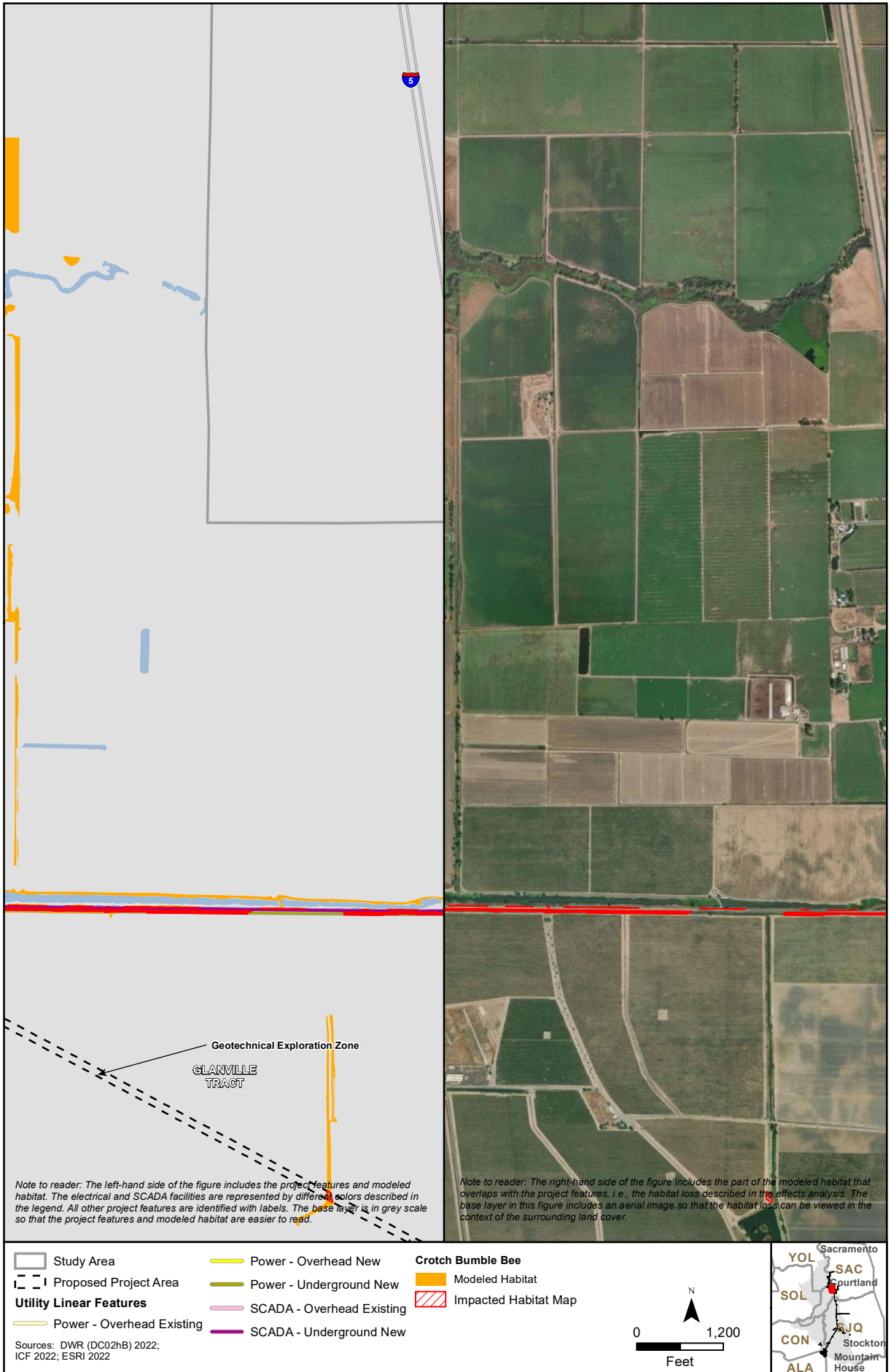
Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

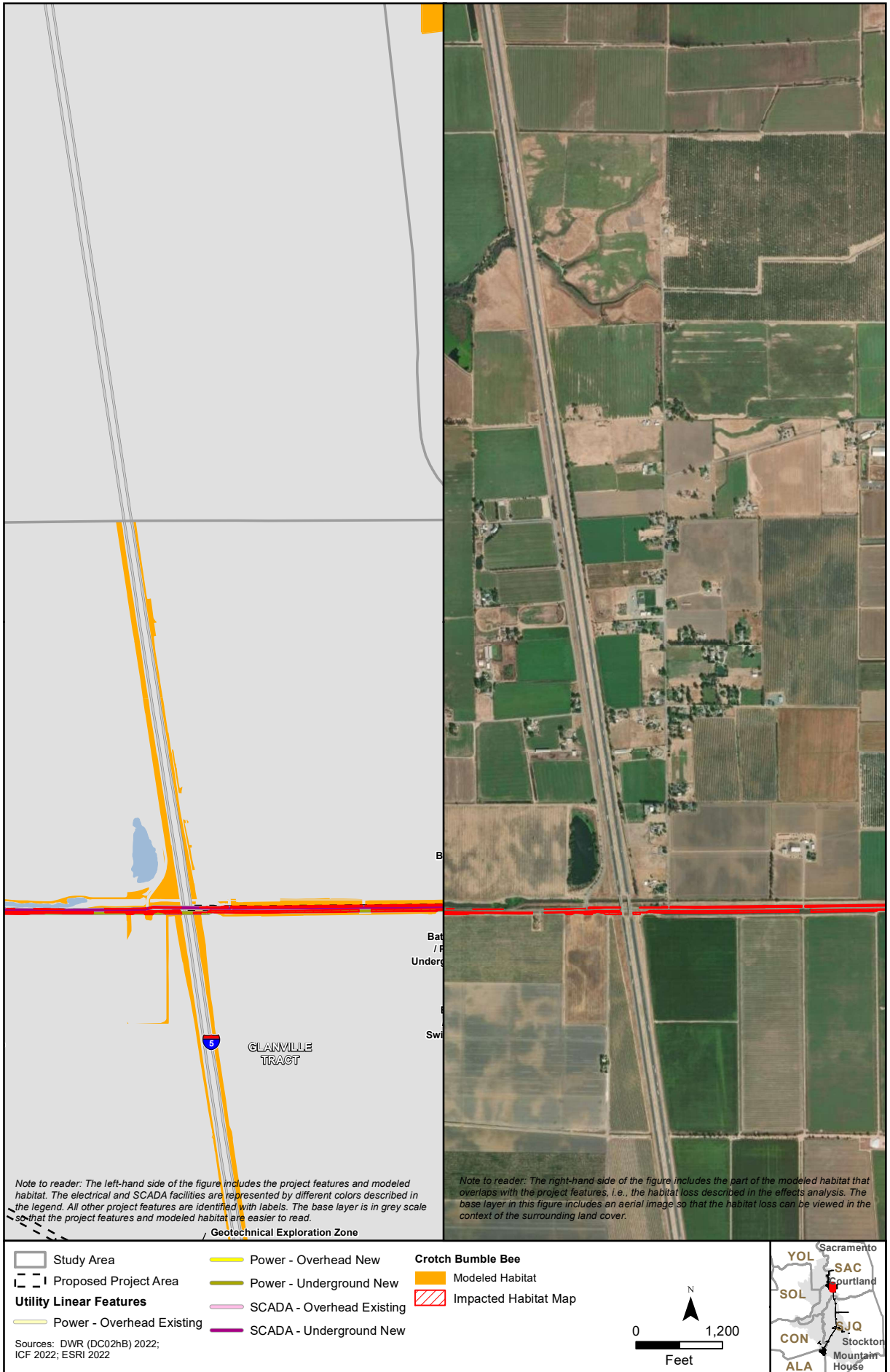
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



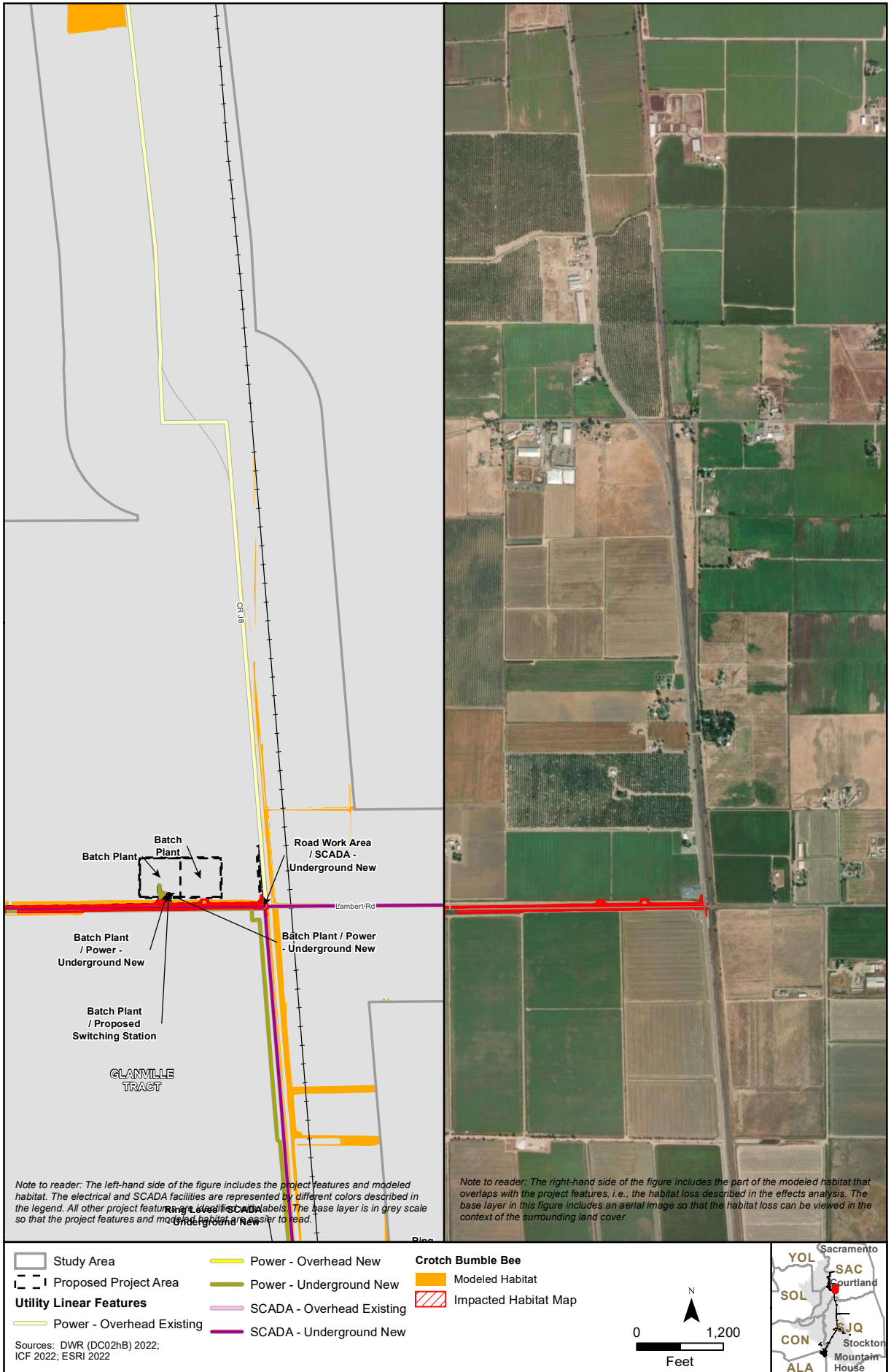
Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-14



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-15



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
 Proposed Project Area
 Figure 4.10-16

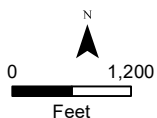


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are represented by different colors described in the legend. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

- Study Area
- Proposed Project Area
- Utility Linear Features**
- Power - Overhead Existing
- Power - Overhead New
- Power - Underground New
- SCADA - Overhead Existing
- SCADA - Underground New
- Crotch Bumble Bee Modeled Habitat
- Impacted Habitat Map

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

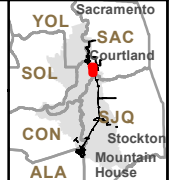
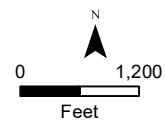


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction Proposed Project Area Figure 4.10-17

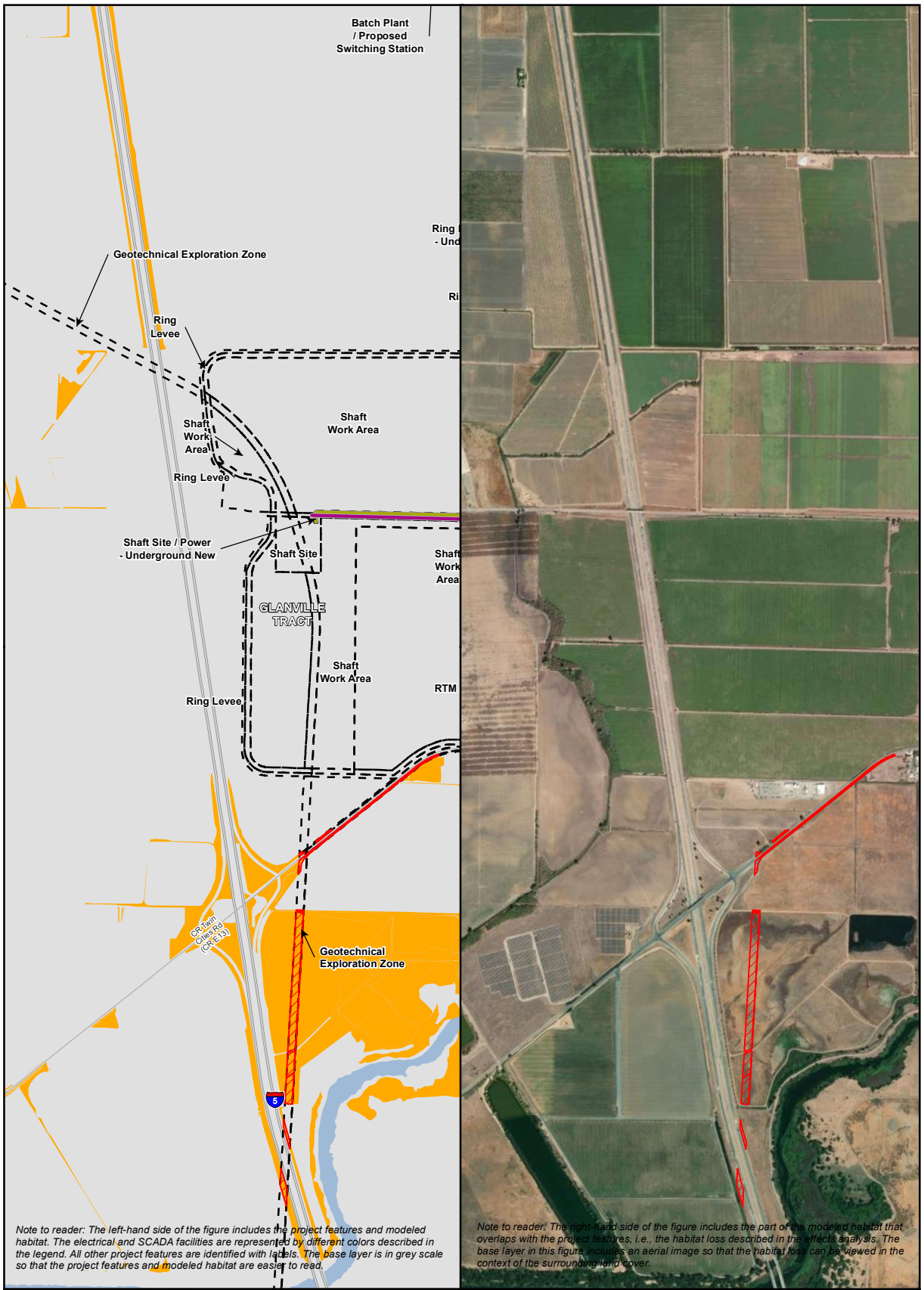


- | | | |
|--------------------------------|---------------------------|----------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee |
| Proposed Project Area | Power - Underground New | Modeled Habitat |
| Utility Linear Features | SCADA - Overhead Existing | Impacted Habitat Map |
| Power - Overhead Existing | SCADA - Underground New | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

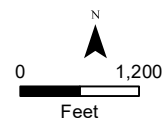


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-18

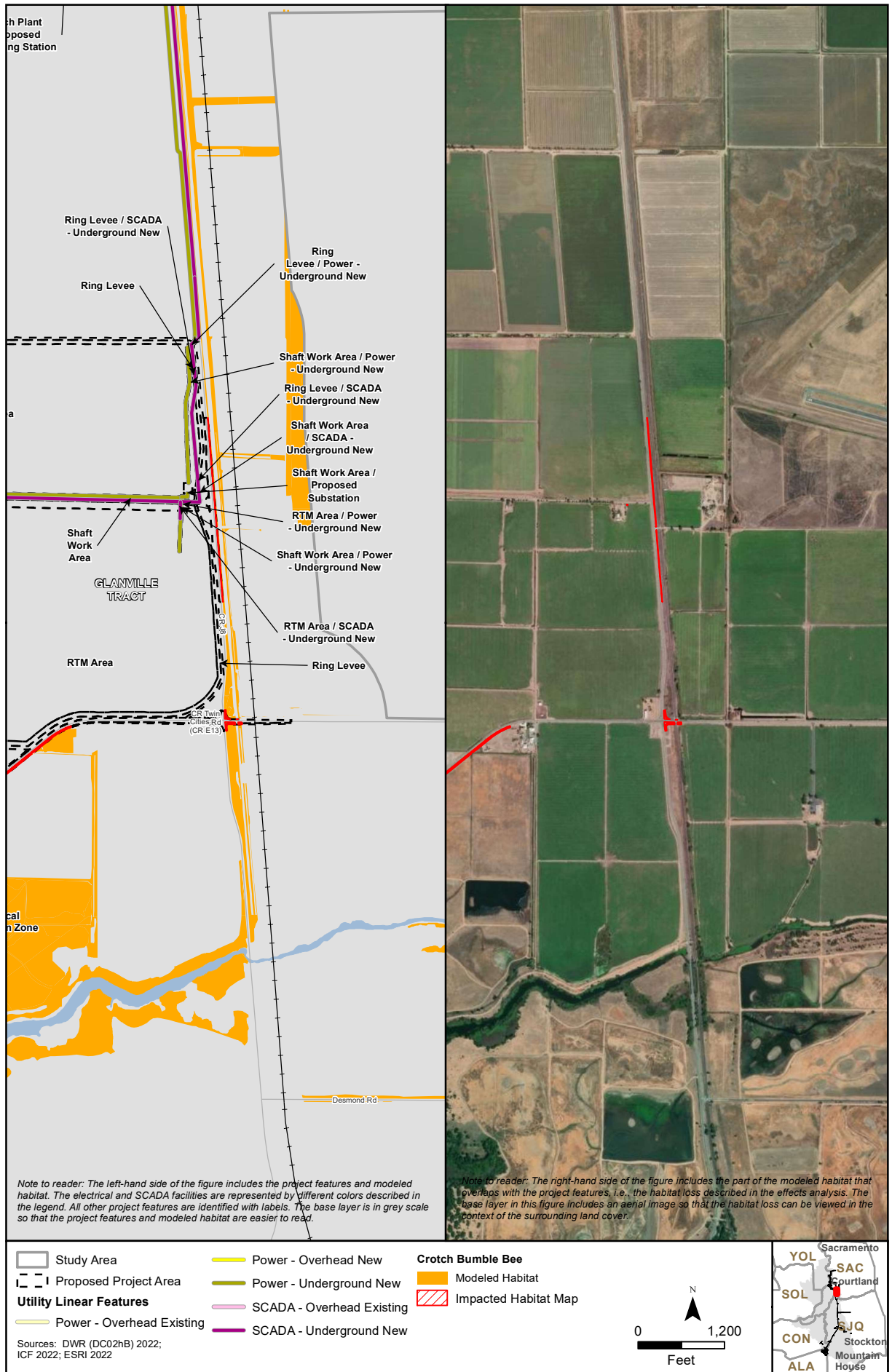


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|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

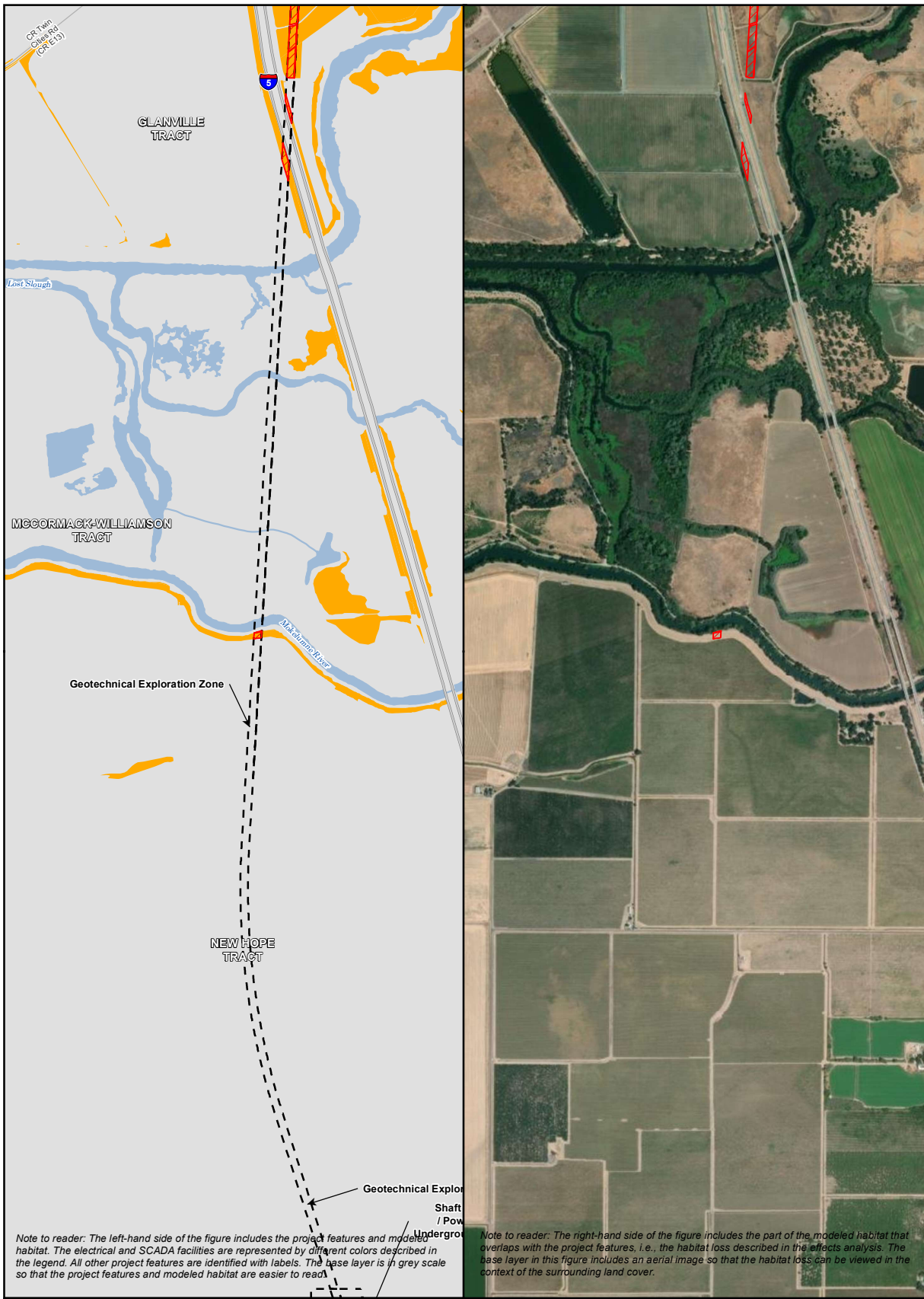
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-19



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-20

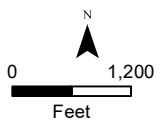


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

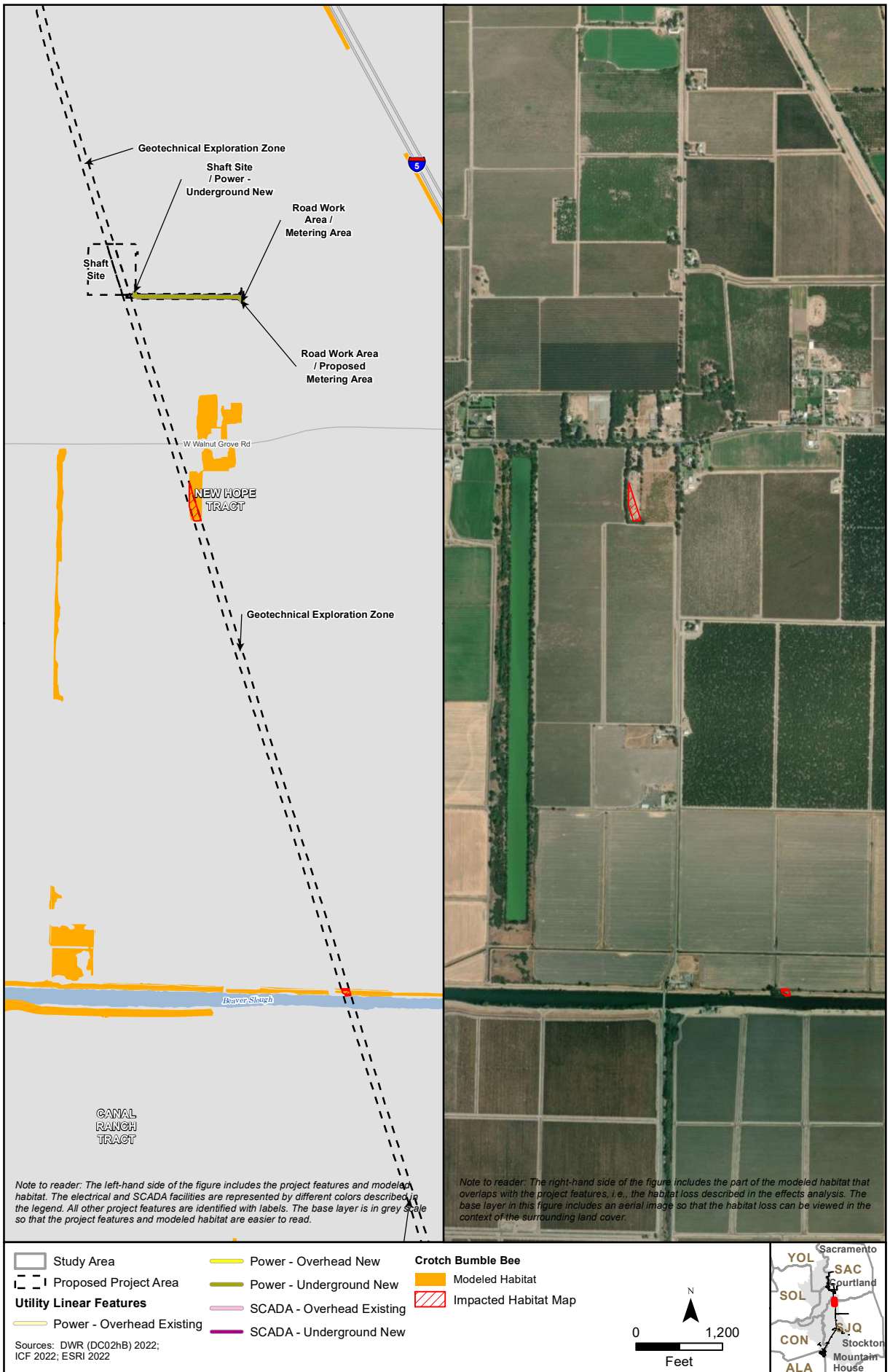
Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

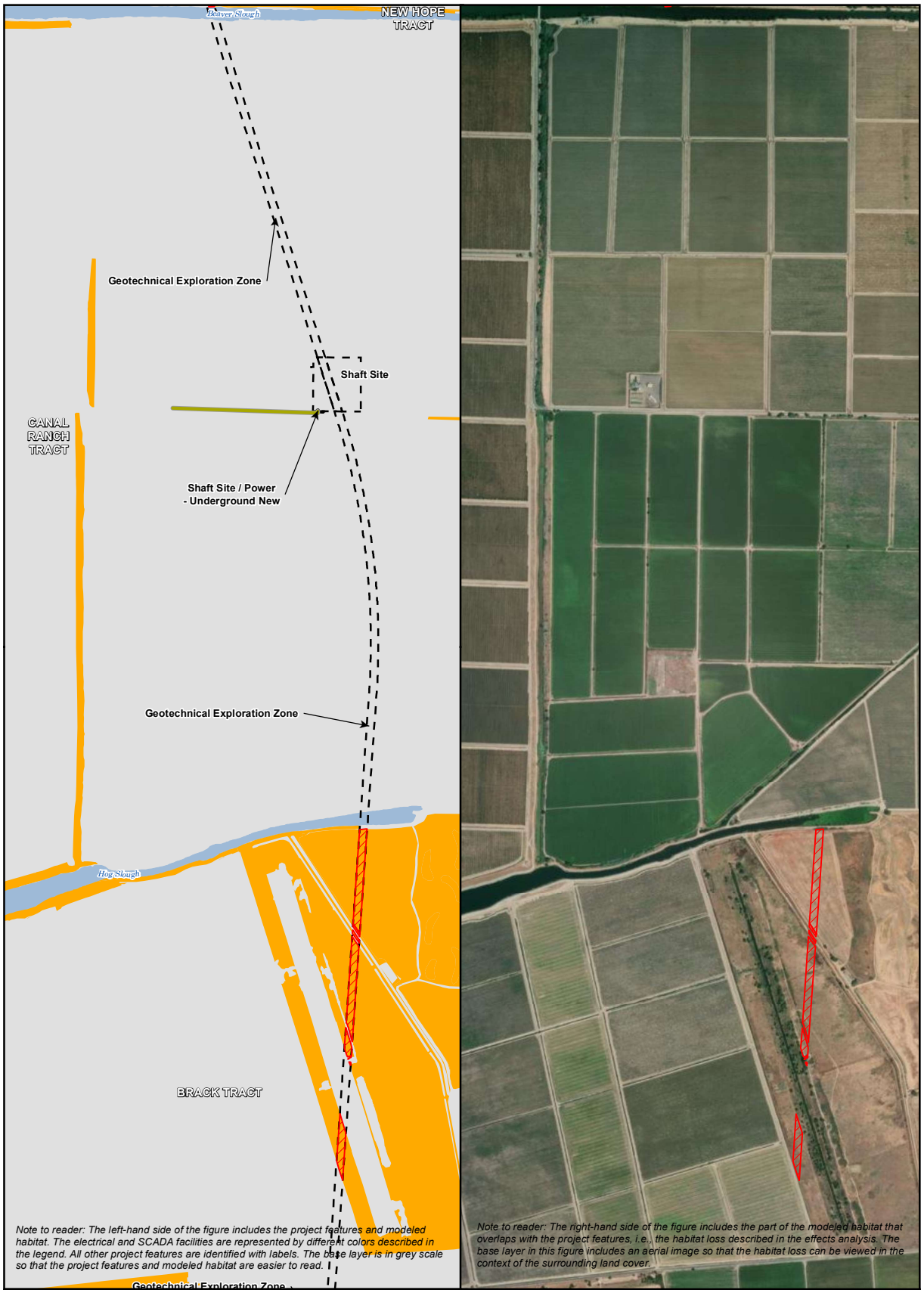
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-21

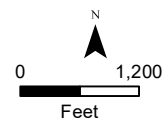


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-22

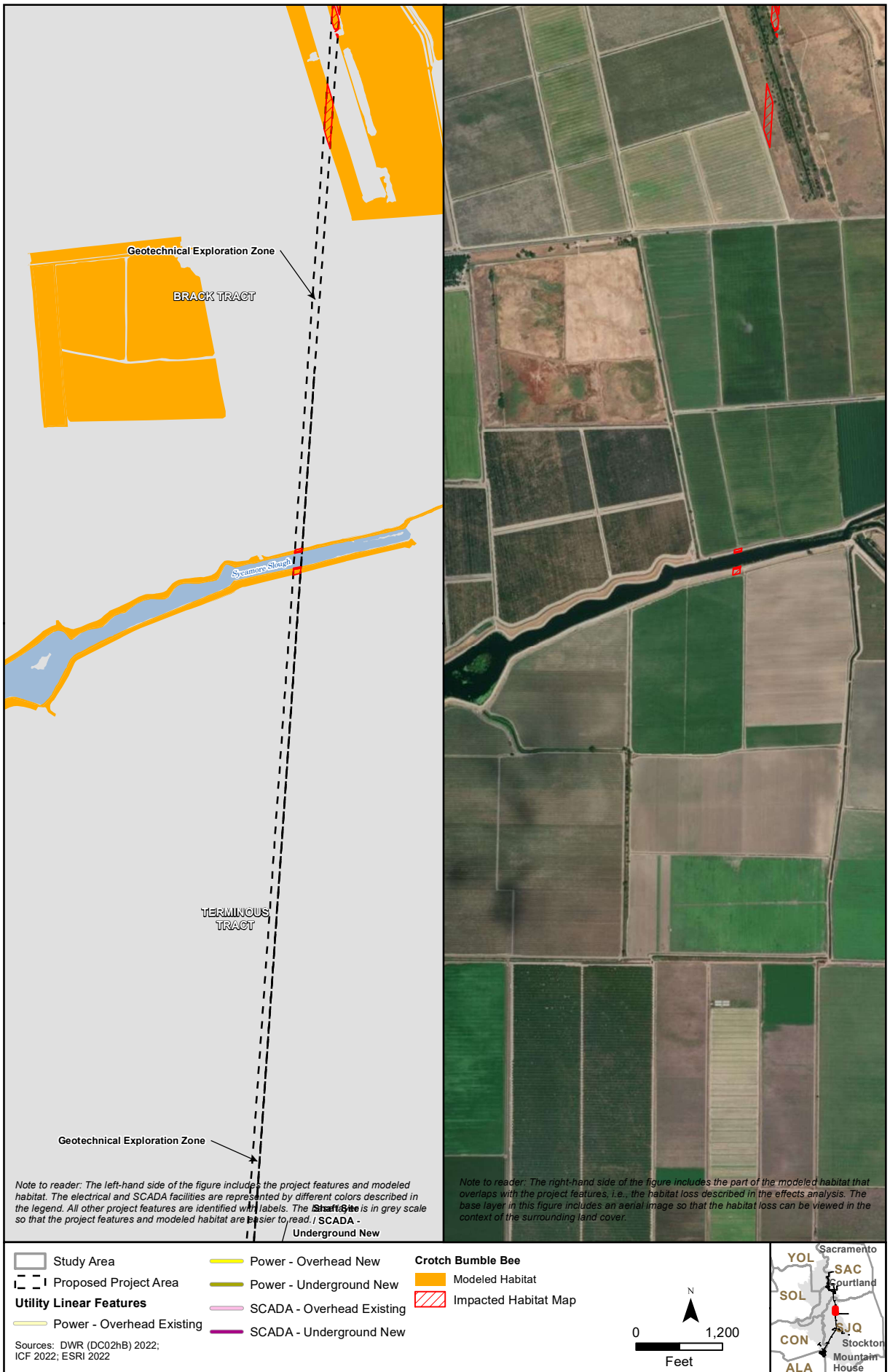


- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

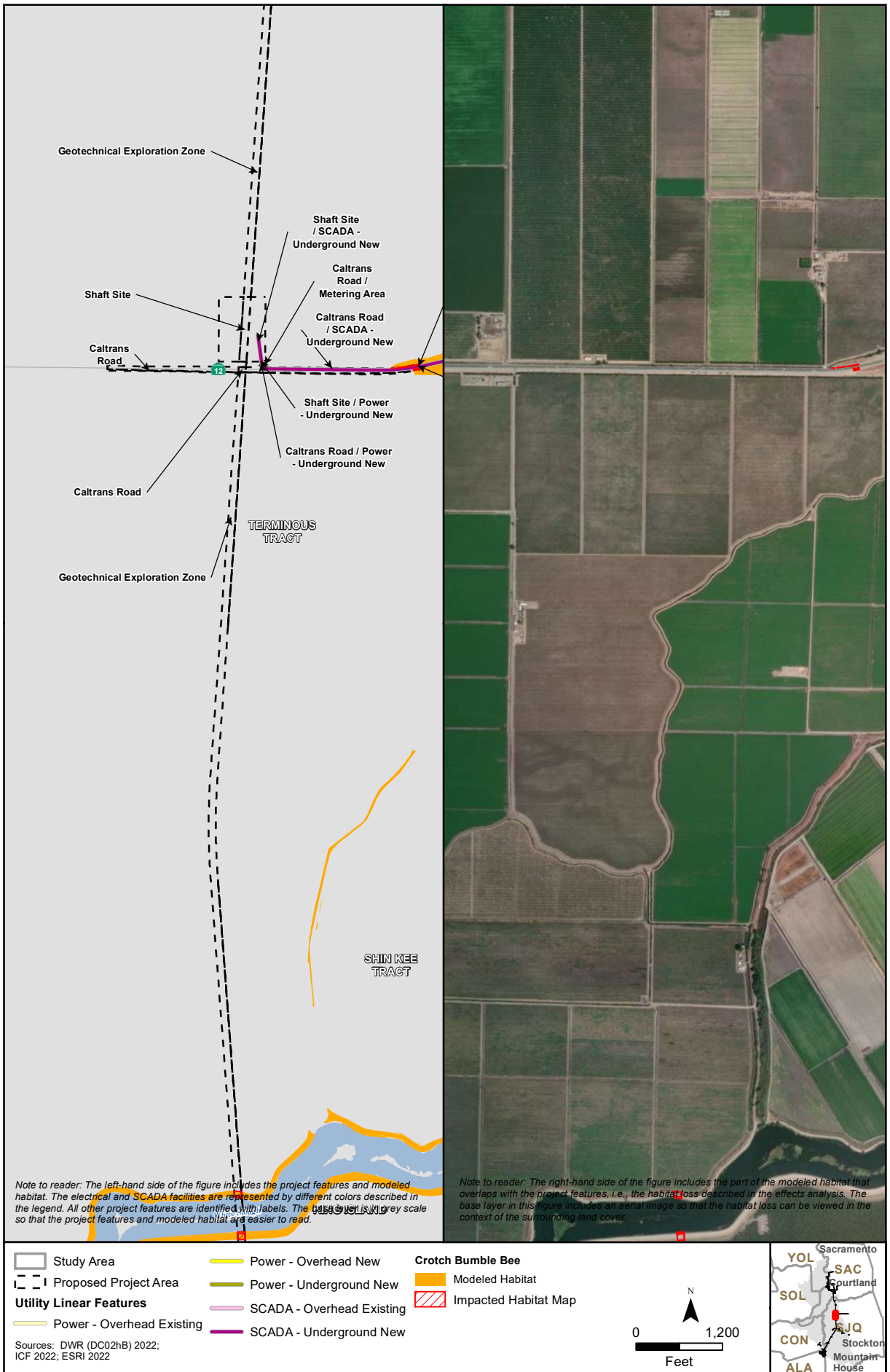
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



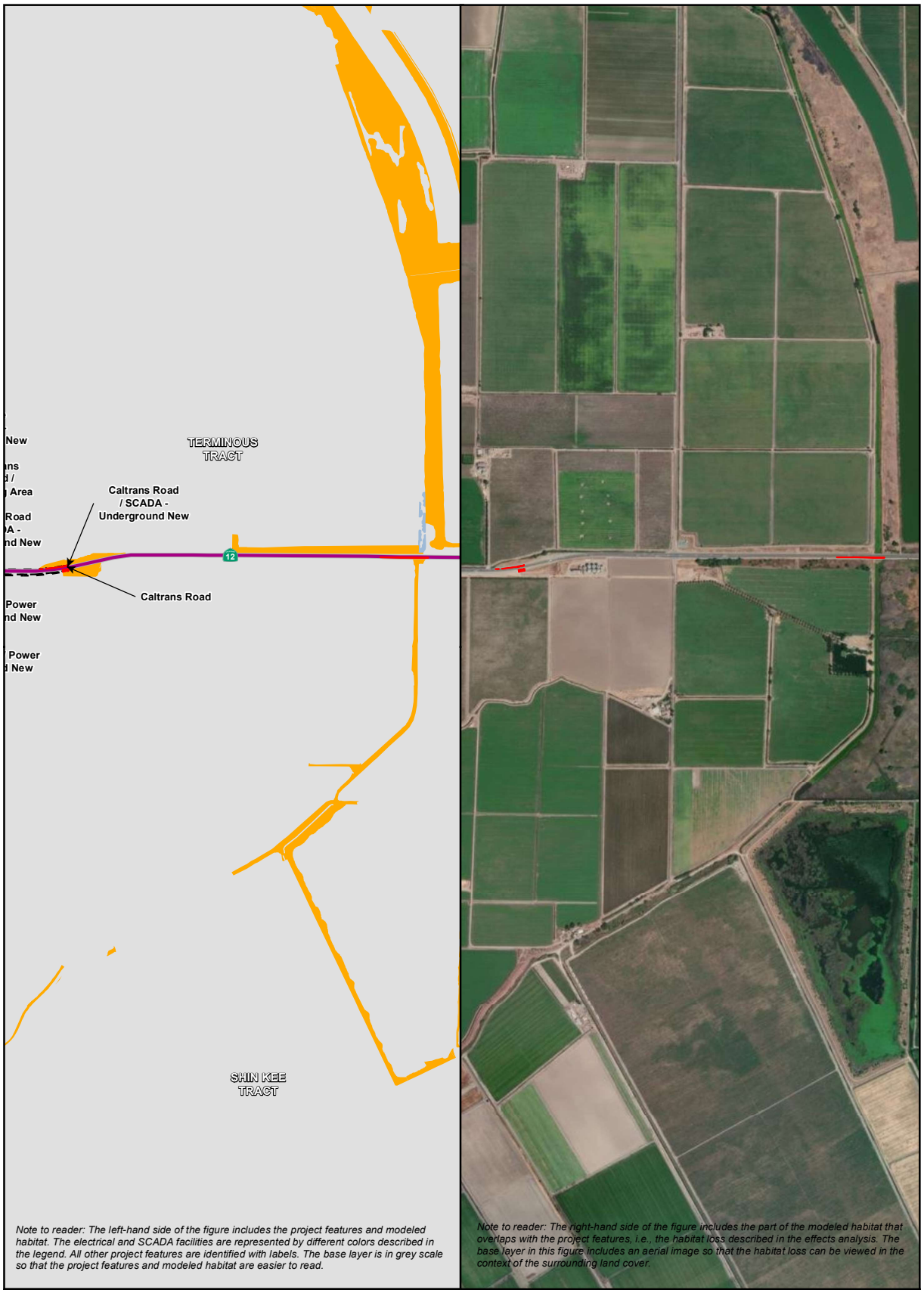
Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-23



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-24

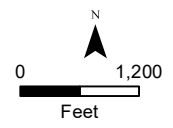


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-25

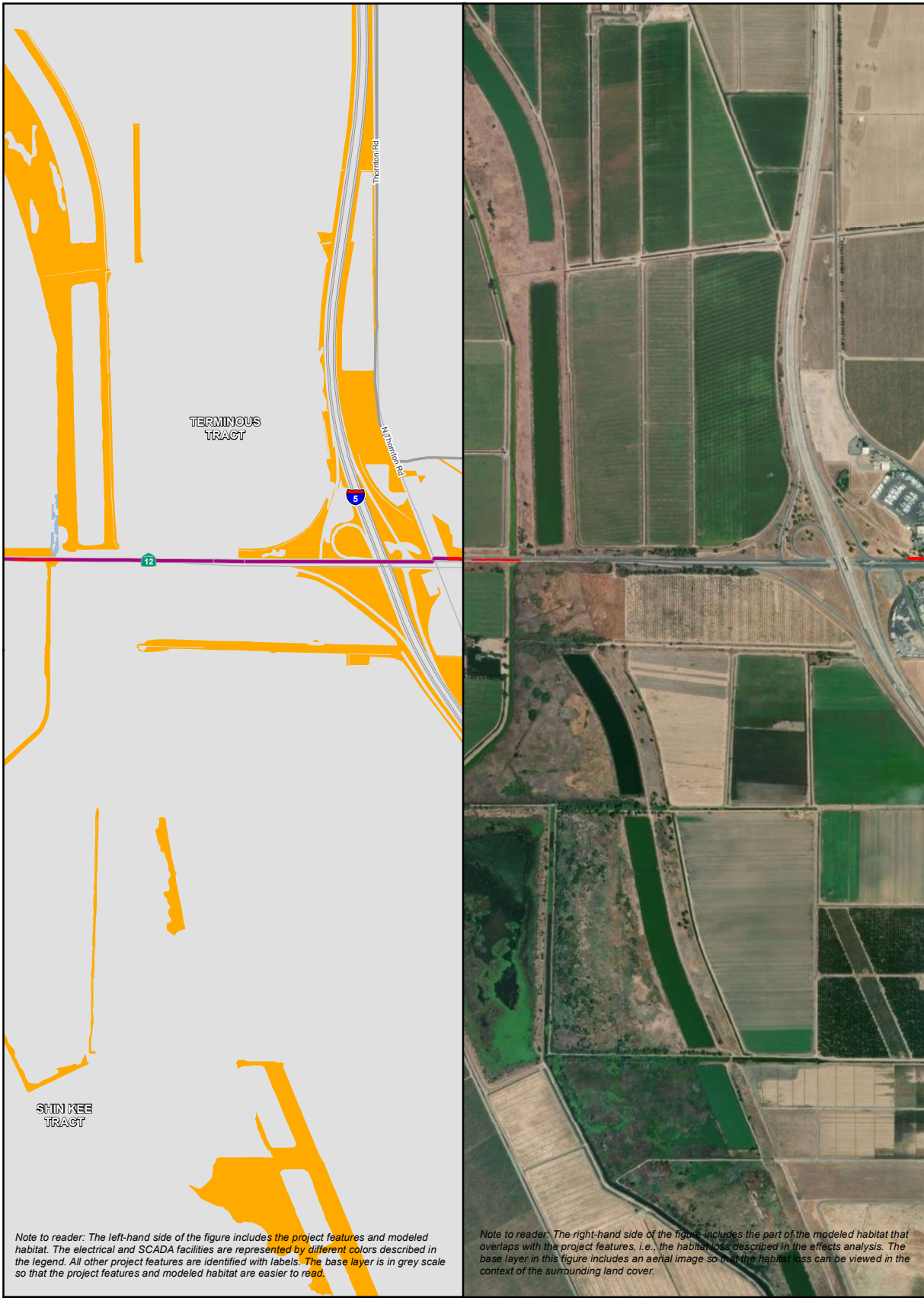


- | | | |
|--------------------------------|---------------------------|----------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee |
| Proposed Project Area | Power - Underground New | Modeled Habitat |
| Utility Linear Features | SCADA - Overhead Existing | Impacted Habitat Map |
| Power - Overhead Existing | SCADA - Underground New | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-26

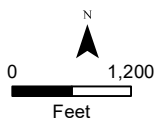


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

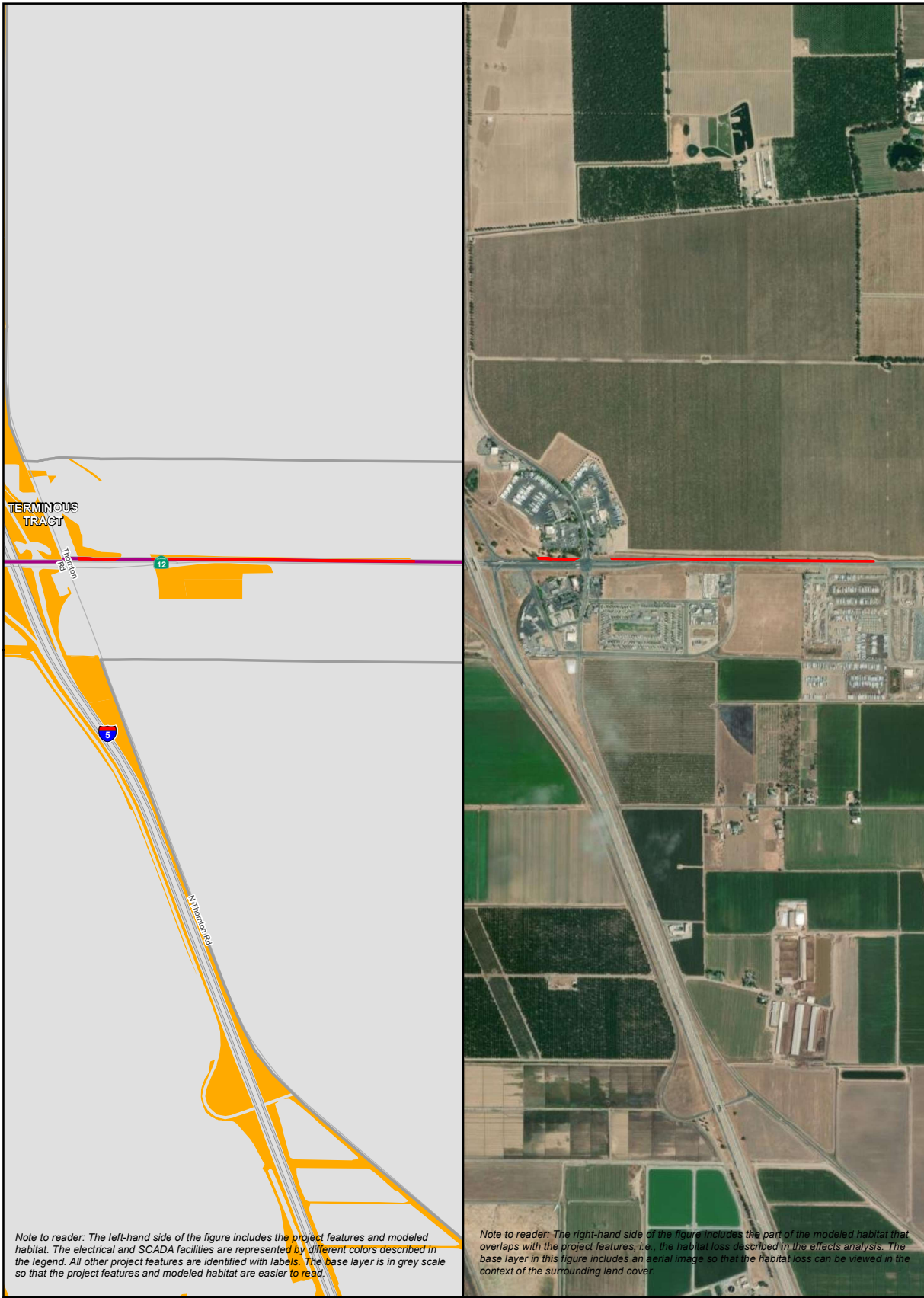
Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-27

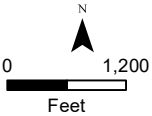


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

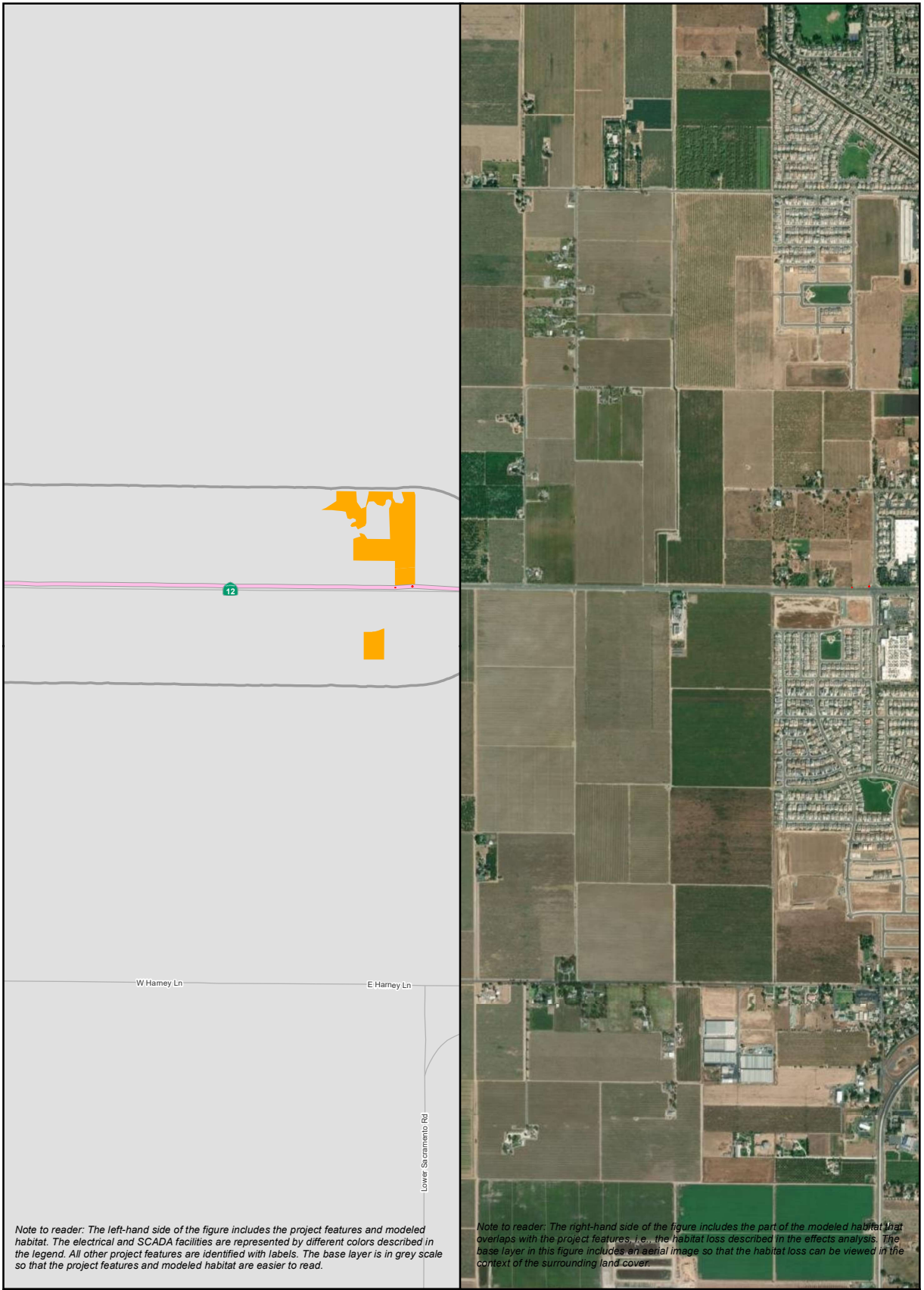
Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| | SCADA - Underground New | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-28

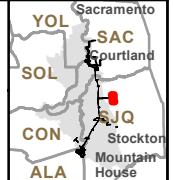
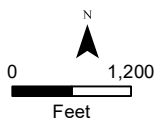


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
	SCADA - Underground New	

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
 Proposed Project Area
 Figure 4.10-29



Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
	SCADA - Underground New	

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-30



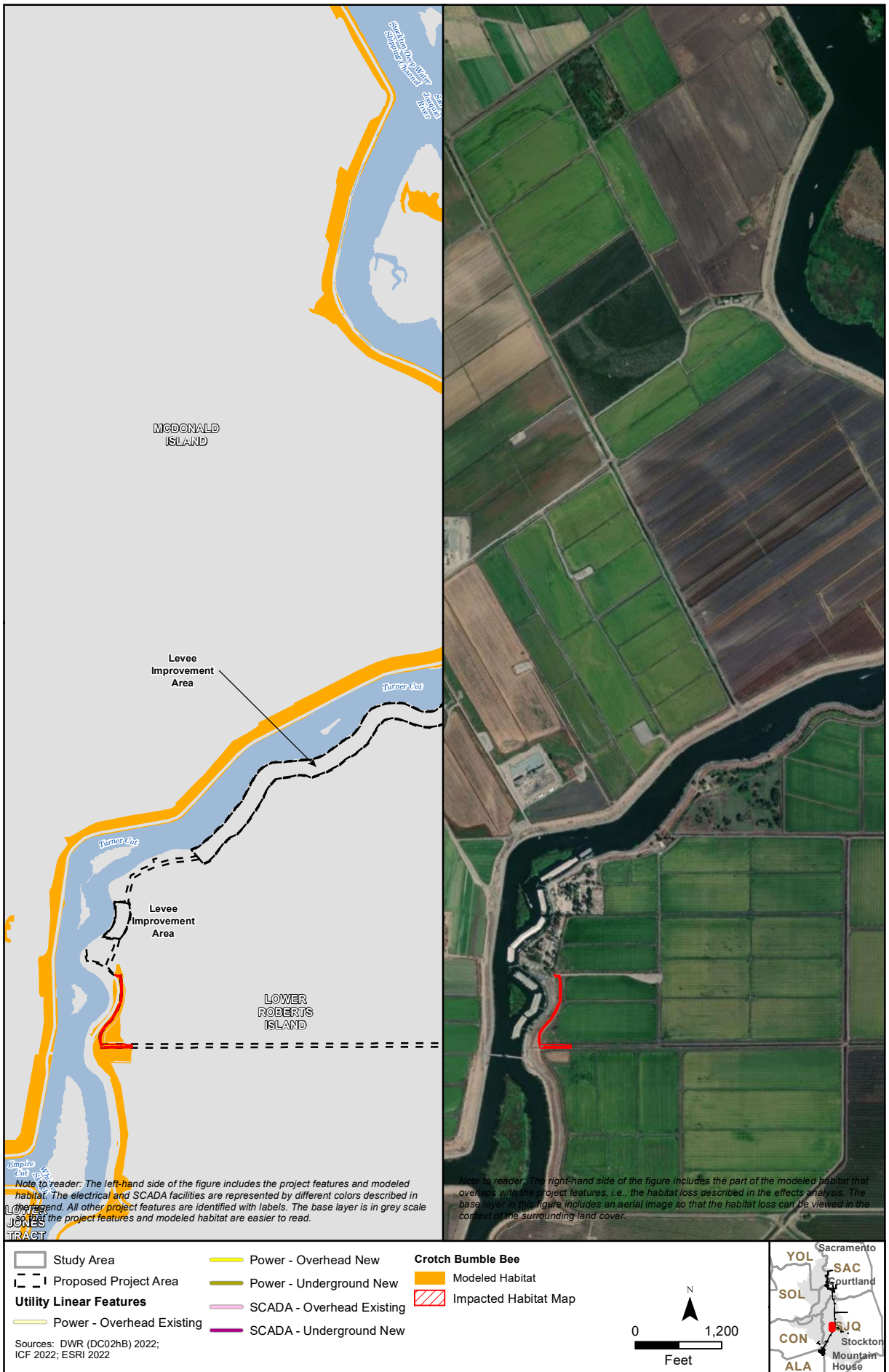
Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

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Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
	SCADA - Underground New	

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-31

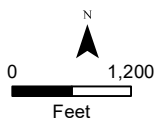


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale to make the project features and modeled habitat easier to read.

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- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| | SCADA - Underground New | |

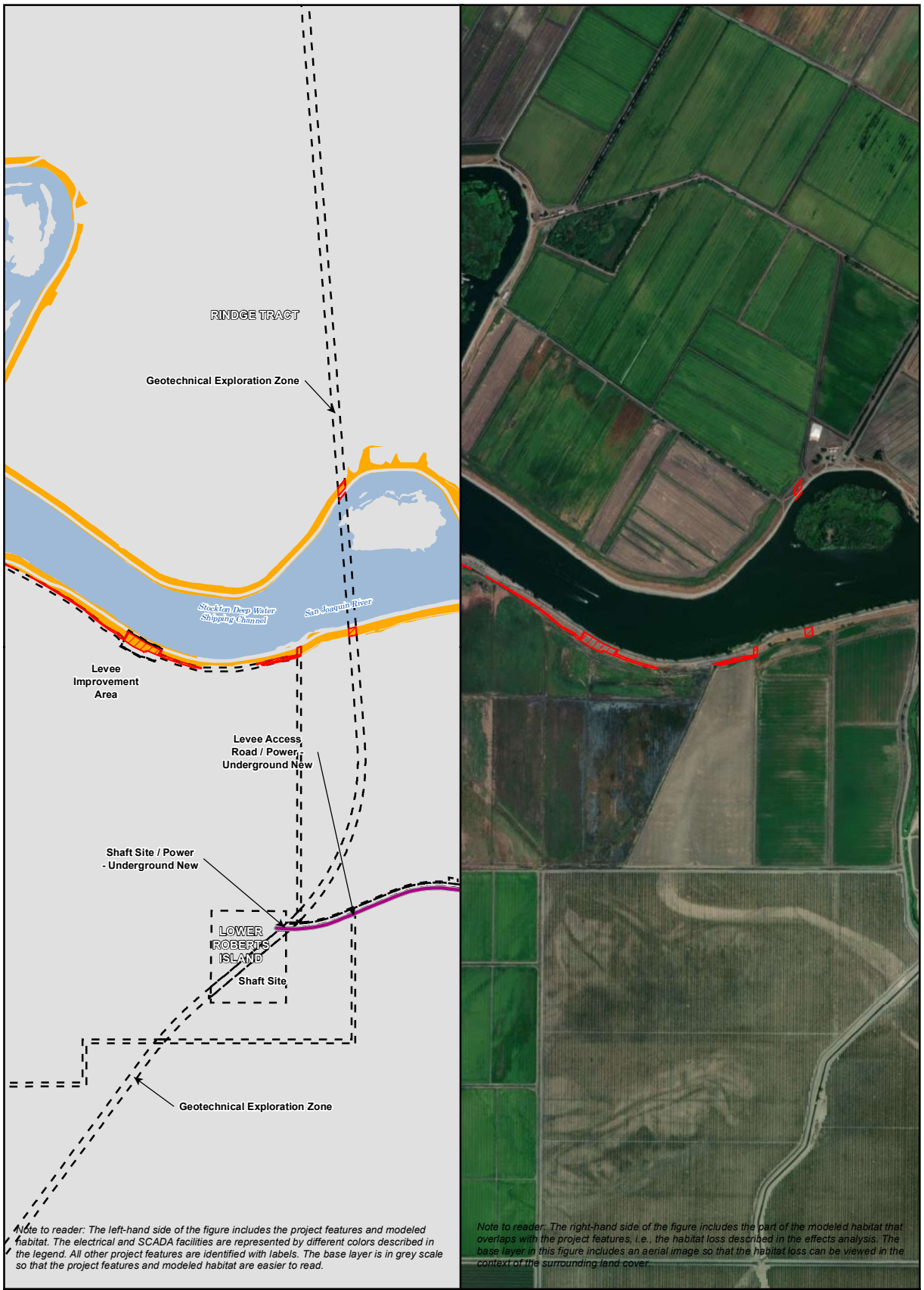
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-32

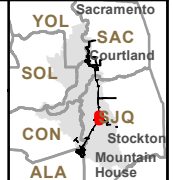
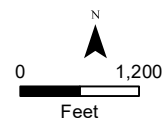


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-33

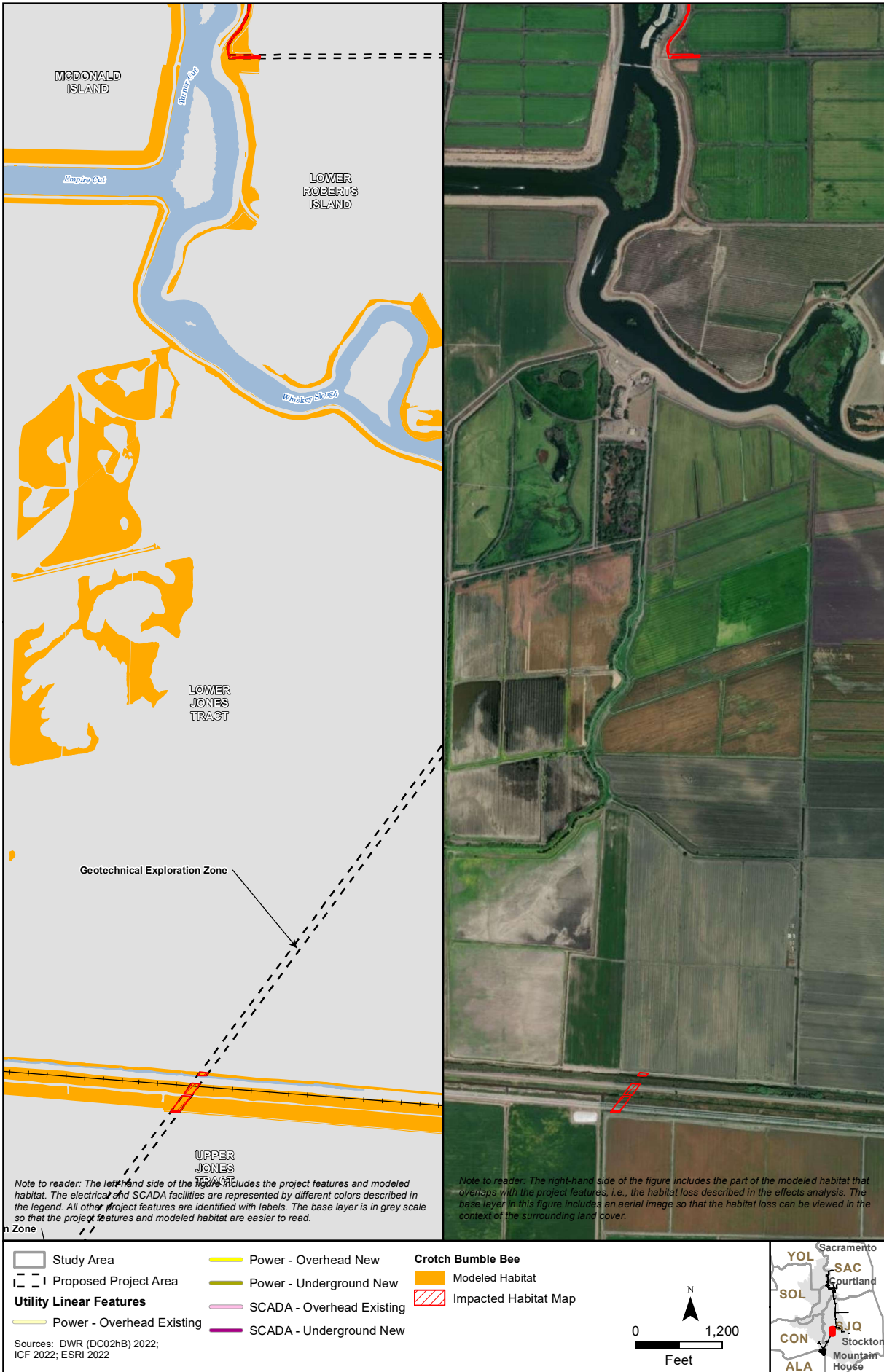


- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

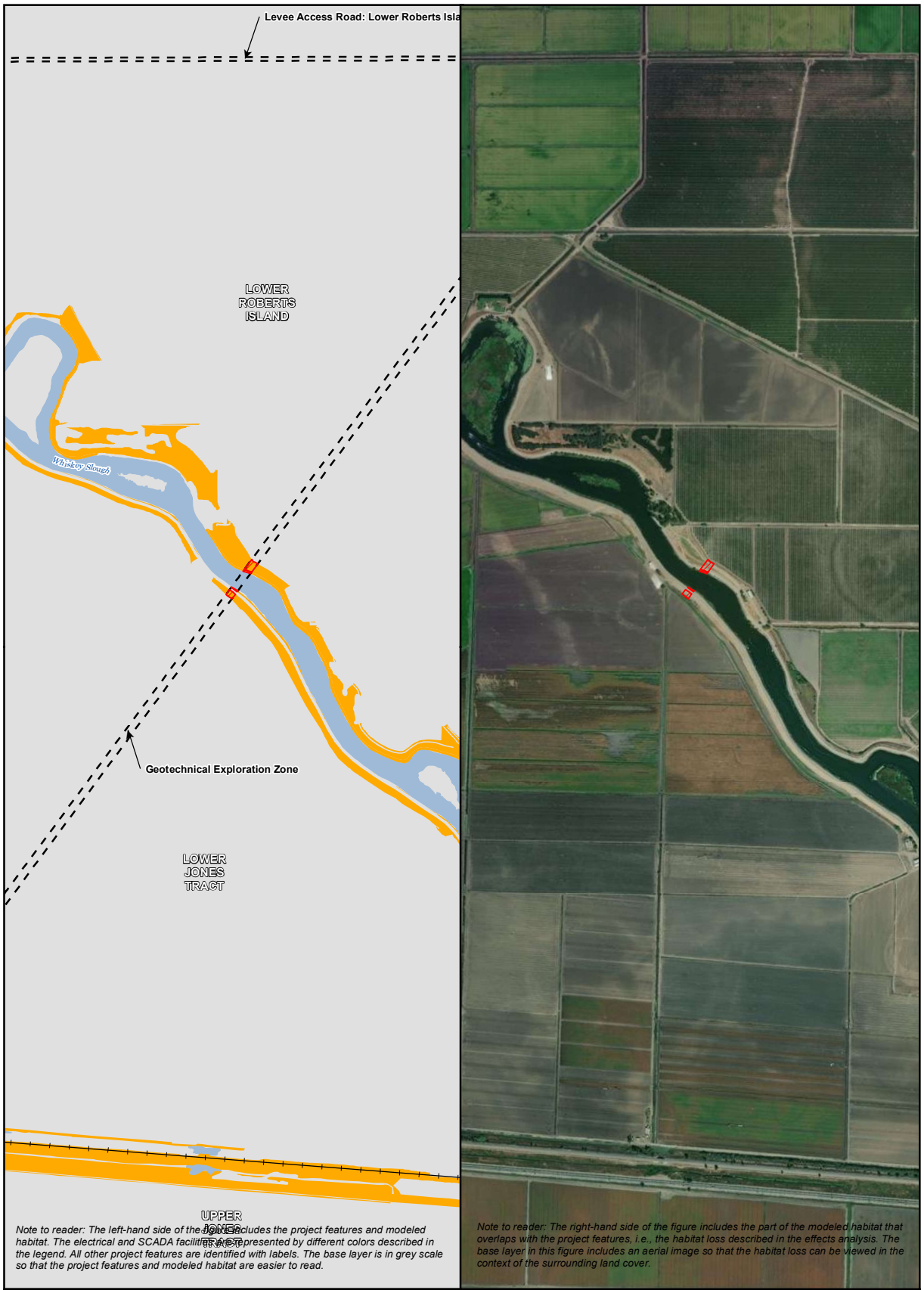
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-34



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
 Proposed Project Area
 Figure 4.10-35

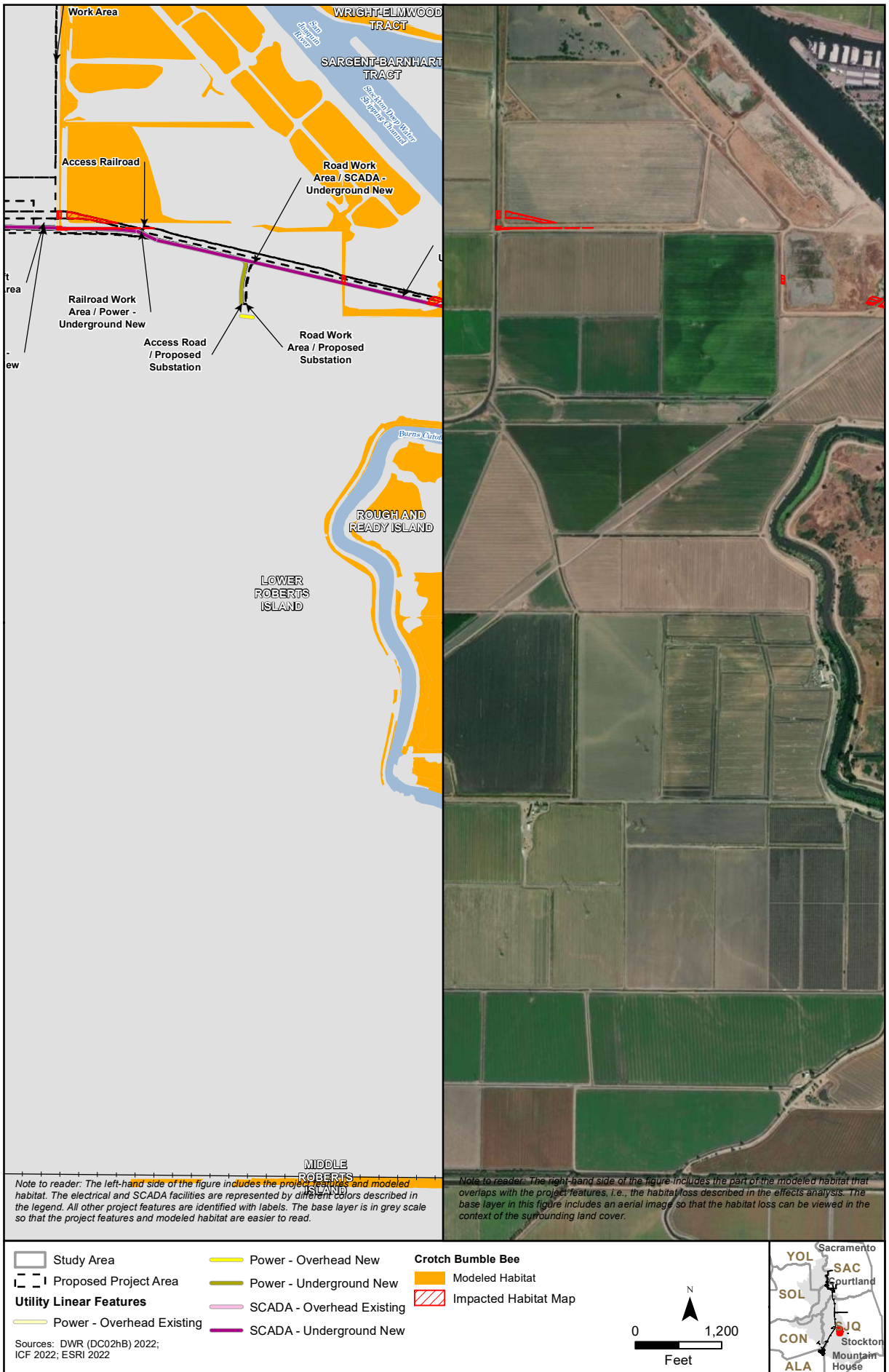


Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
SCADA - Underground New		

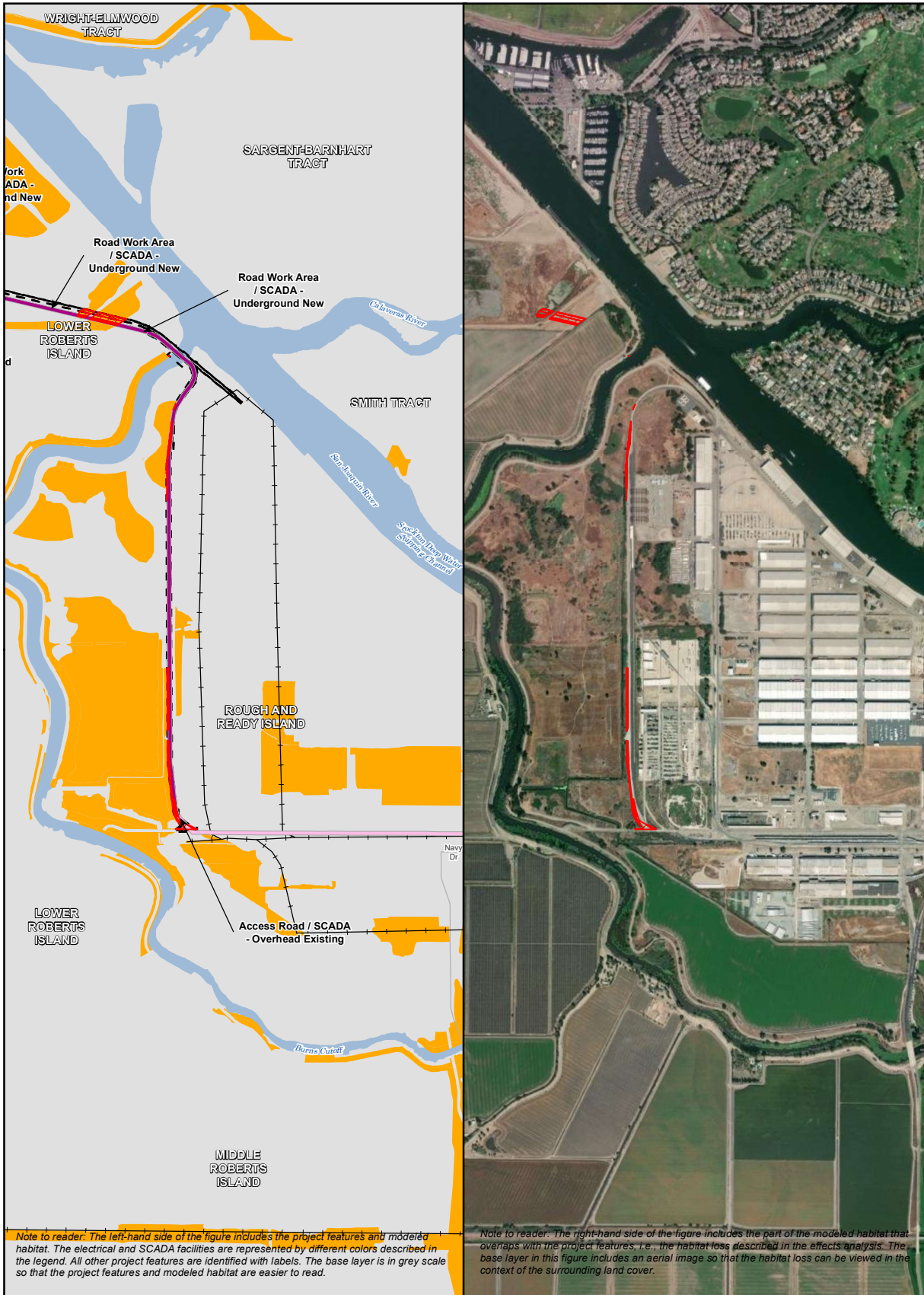
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

0 1,200 Feet

Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
 Proposed Project Area
 Figure 4.10-36



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
 Proposed Project Area
 Figure 4.10-37

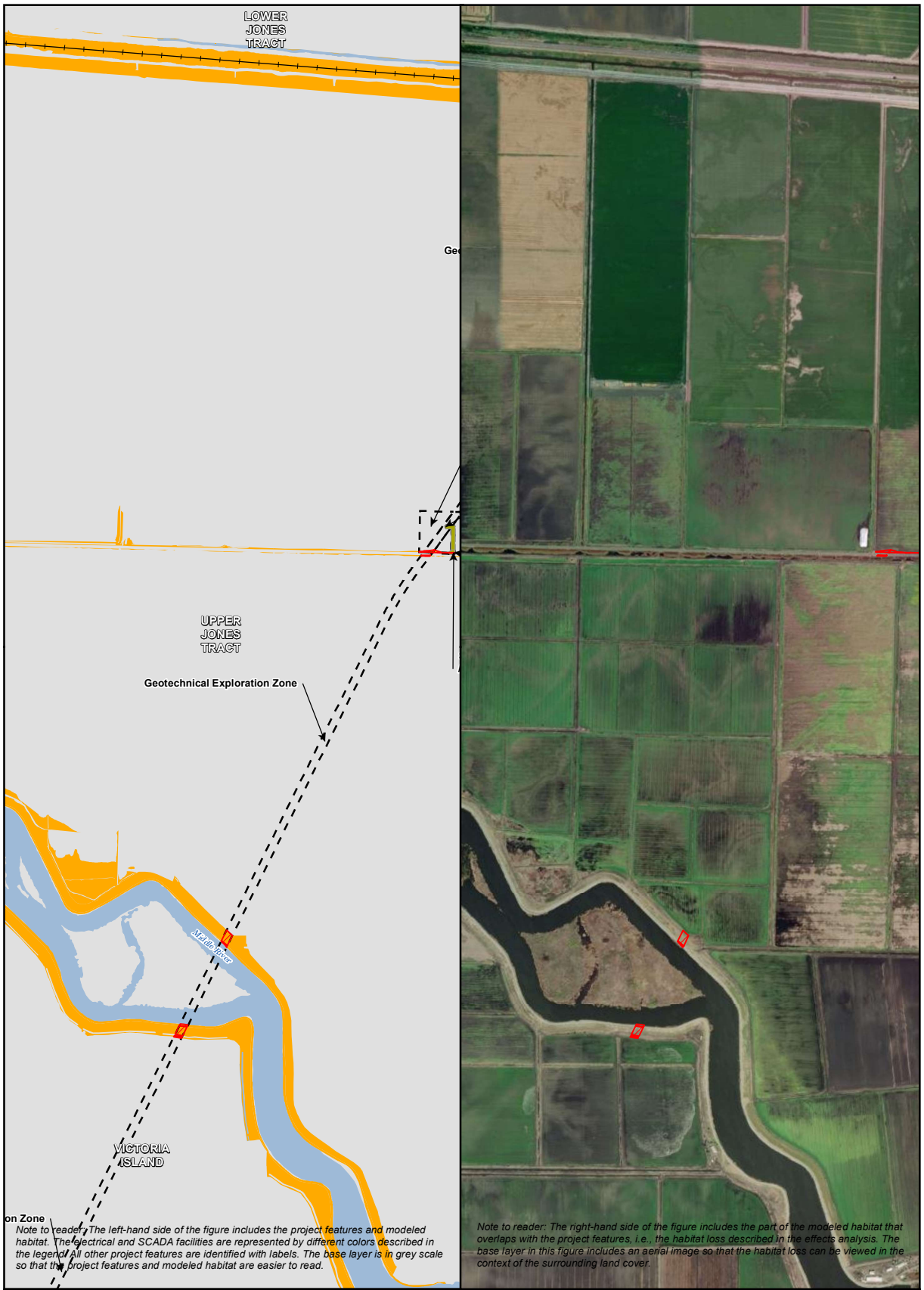


Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
	SCADA - Underground New	

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

0 1,200 Feet

Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-38



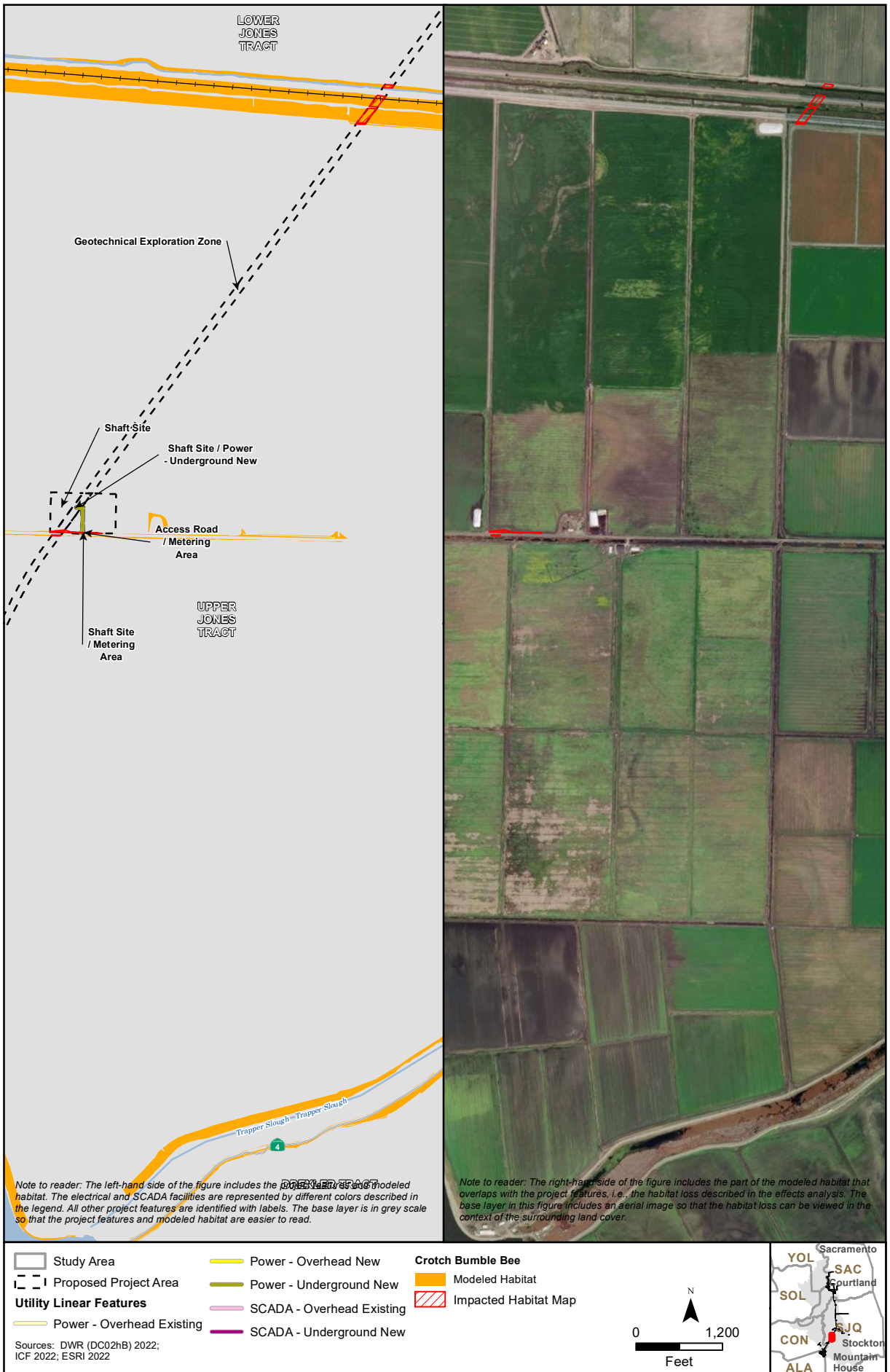
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Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
	SCADA - Underground New	

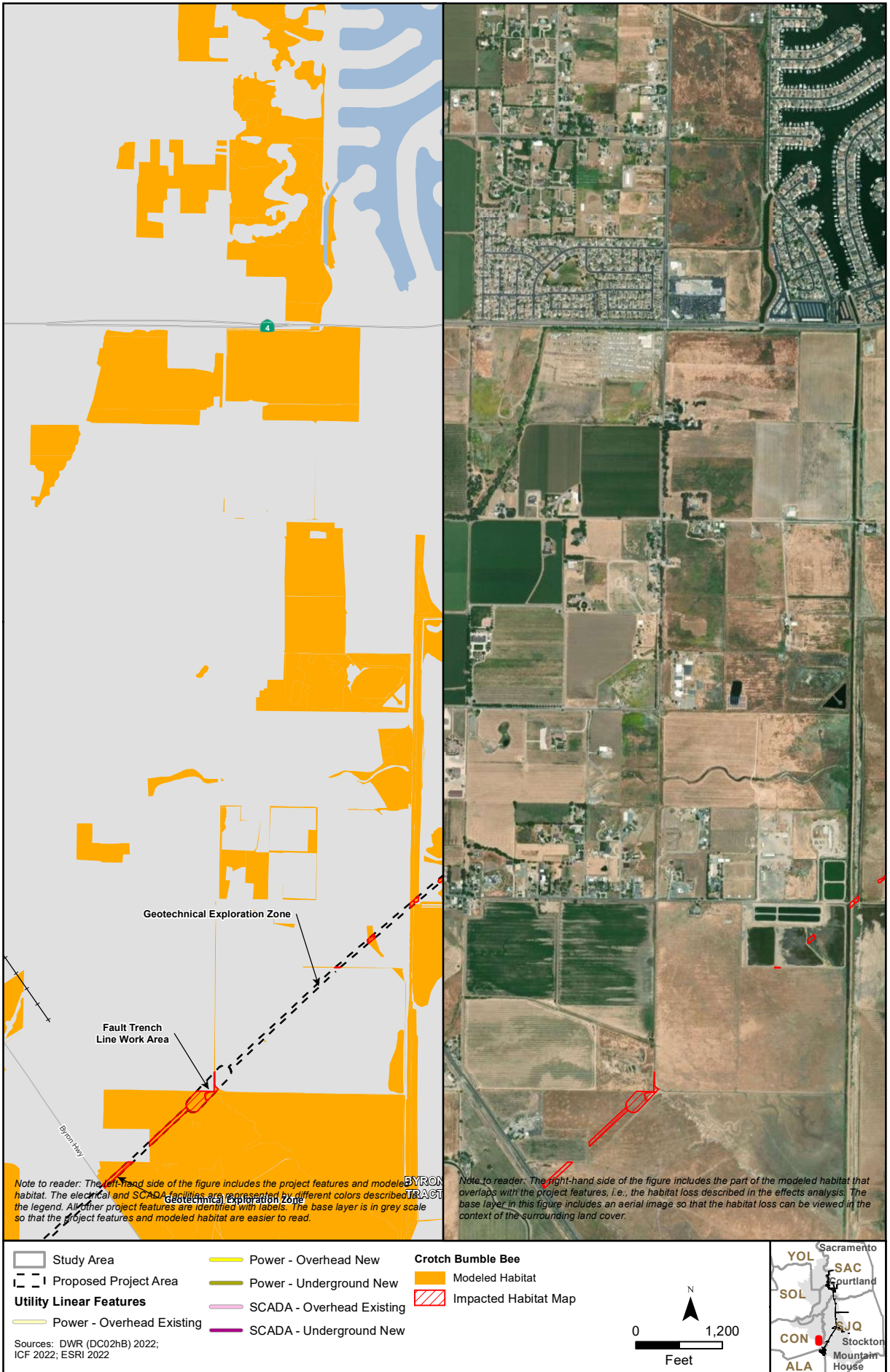
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
 Proposed Project Area
 Figure 4.10-39



Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-41

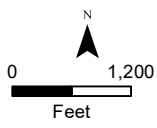


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

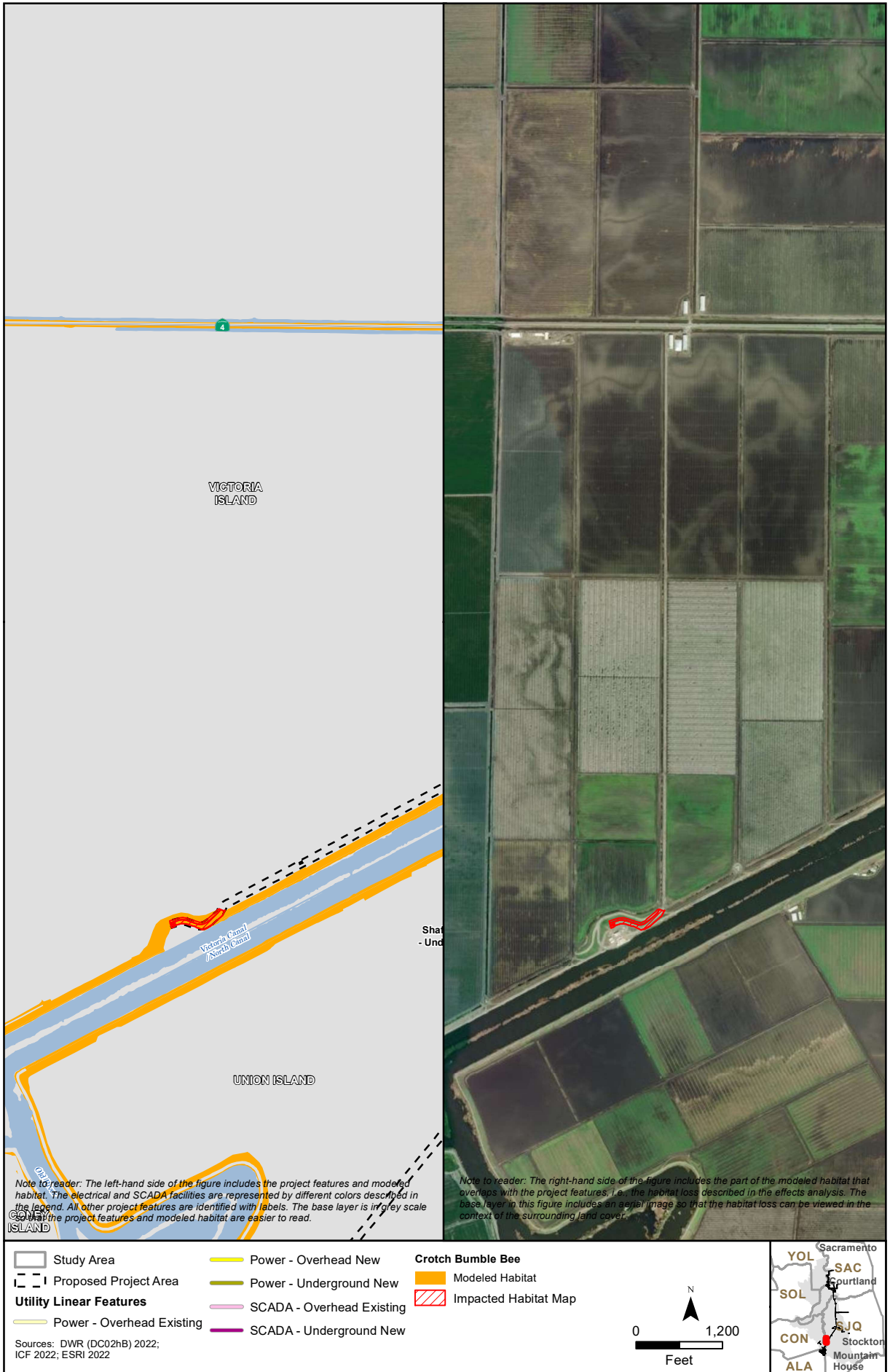
Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

- | | | |
|--------------------------------|---------------------------|--------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee |
| Proposed Project Area | Power - Underground New | Modeled Habitat |
| Utility Linear Features | SCADA - Overhead Existing | Impacted Habitat Map |
| Power - Overhead Existing | SCADA - Underground New | |

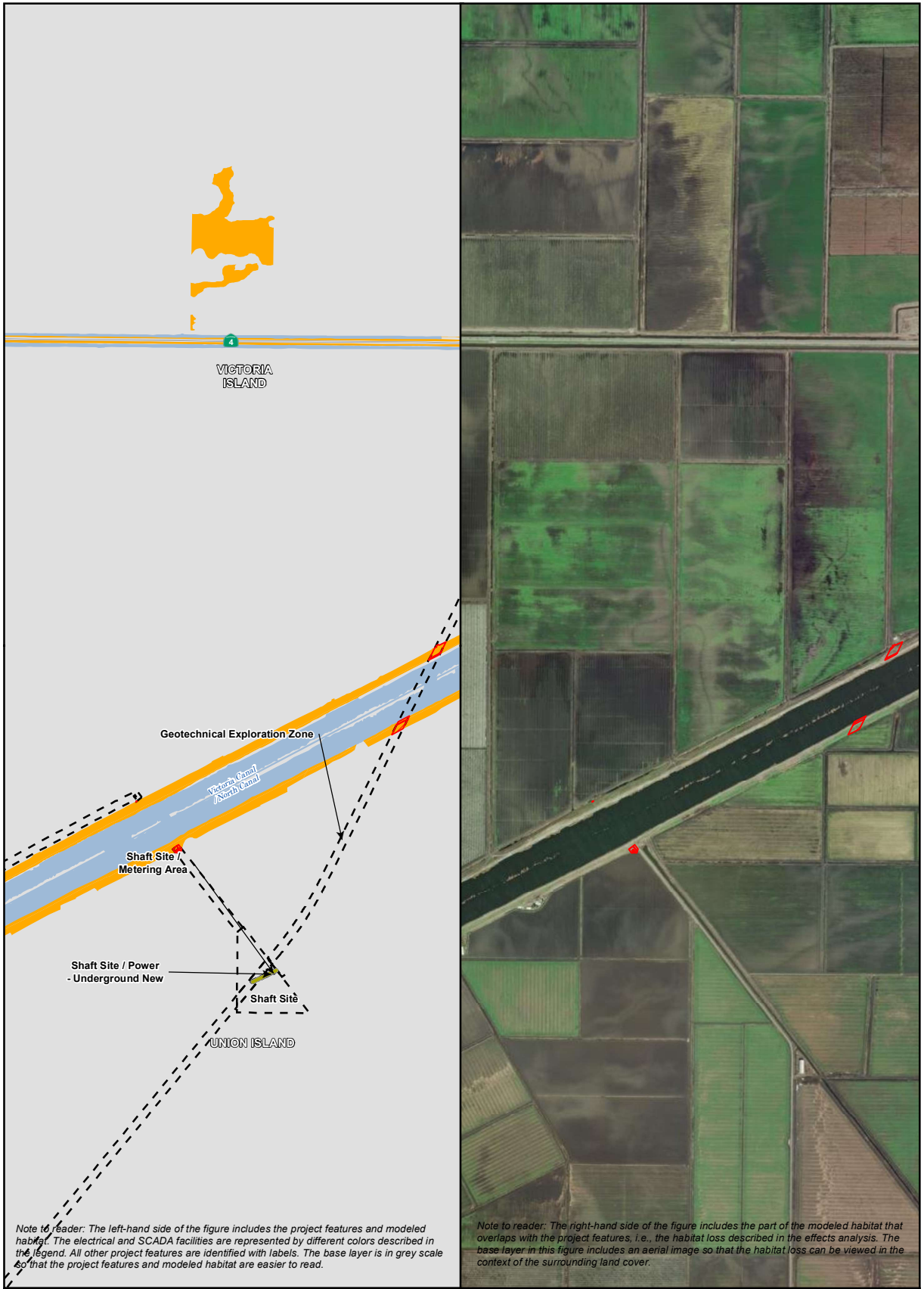
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-42

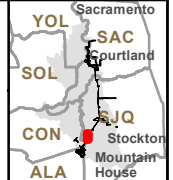
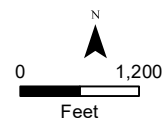


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-43

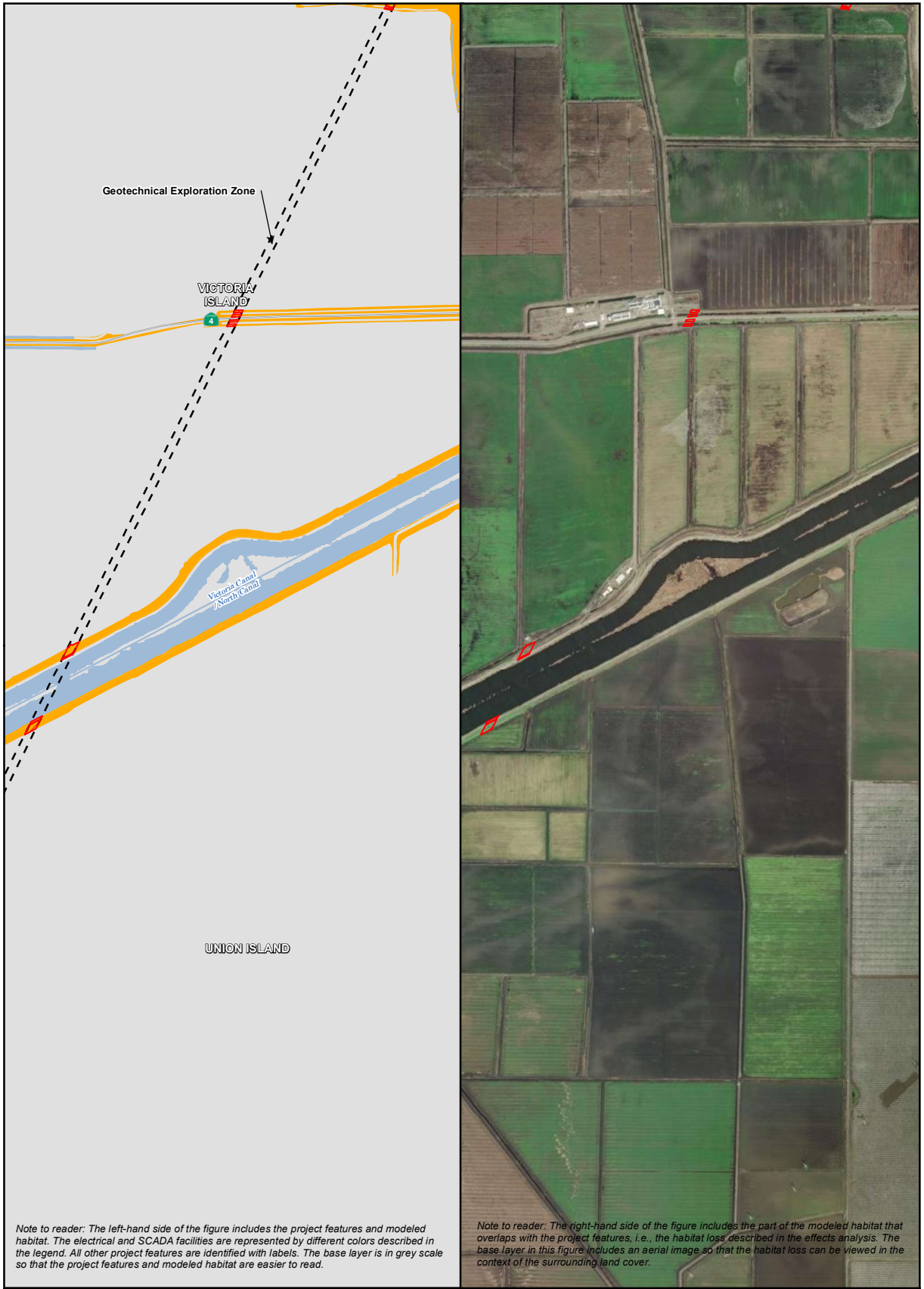


- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-44

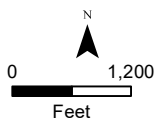


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

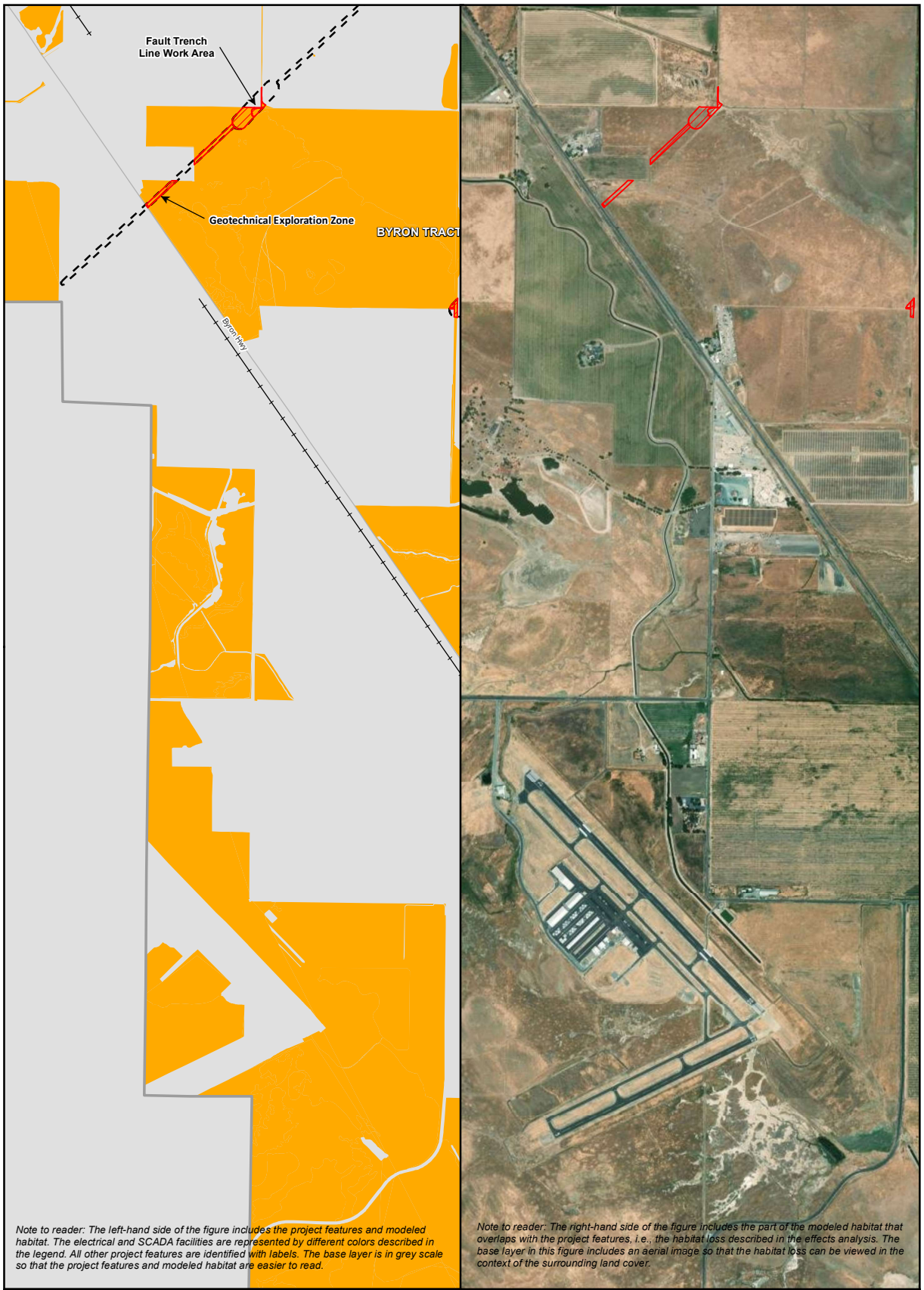
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- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| | SCADA - Underground New | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

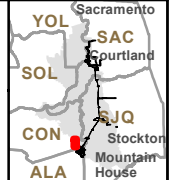
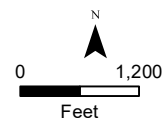


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-45

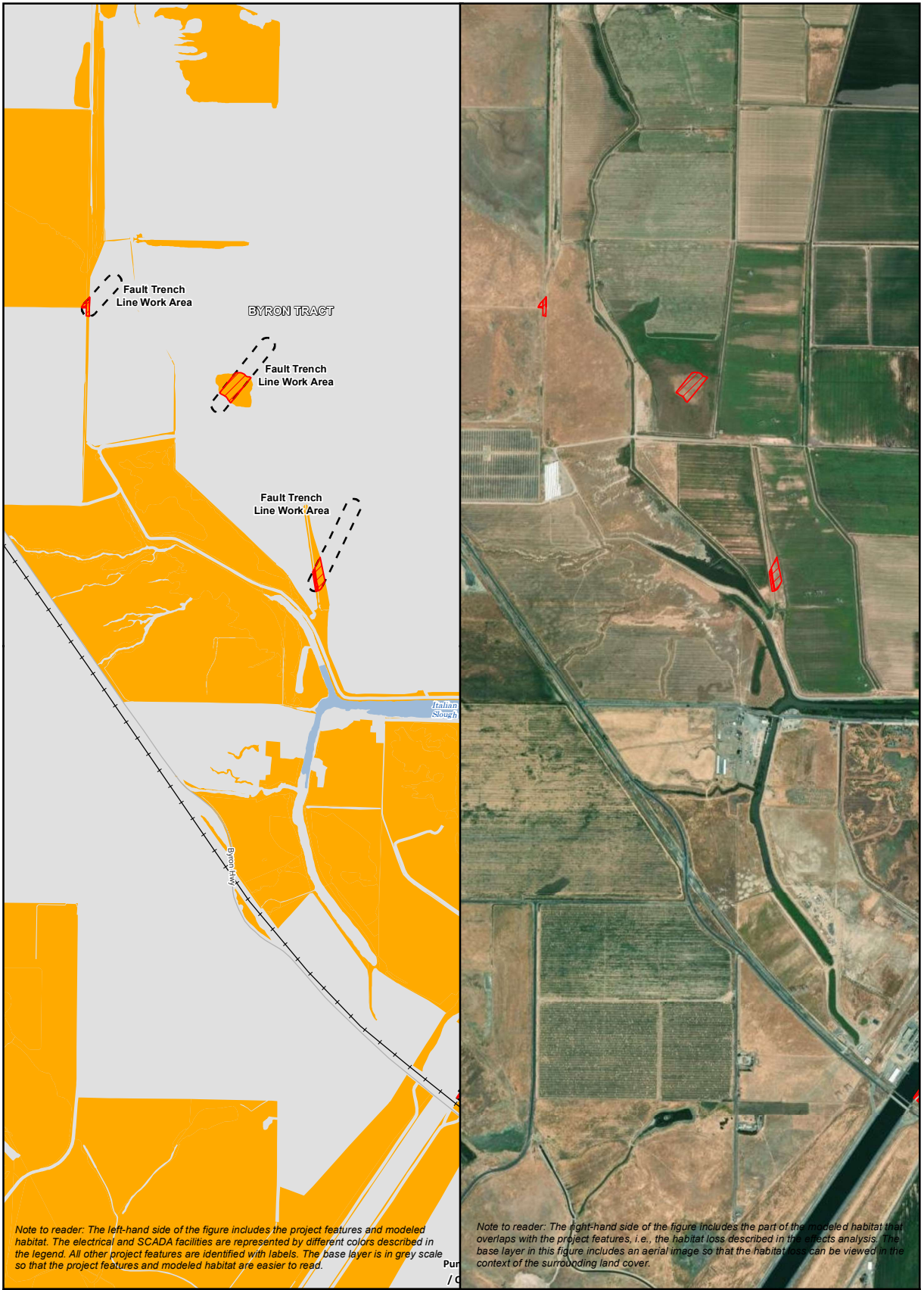


- | | | |
|--------------------------------|---------------------------|--------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee |
| Proposed Project Area | Power - Underground New | Modeled Habitat |
| Utility Linear Features | SCADA - Overhead Existing | Impacted Habitat Map |
| Power - Overhead Existing | SCADA - Underground New | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

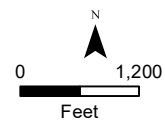


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-46



- | | | |
|--------------------------------|---------------------------|--------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee |
| Proposed Project Area | Power - Underground New | Modeled Habitat |
| Utility Linear Features | SCADA - Overhead Existing | Impacted Habitat Map |
| Power - Overhead Existing | SCADA - Underground New | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

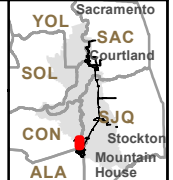
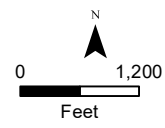


Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-47



- | | | |
|--------------------------------|---------------------------|--------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee |
| Proposed Project Area | Power - Underground New | Modeled Habitat |
| Utility Linear Features | SCADA - Overhead Existing | Impacted Habitat Map |
| Power - Overhead Existing | SCADA - Underground New | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-48



Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

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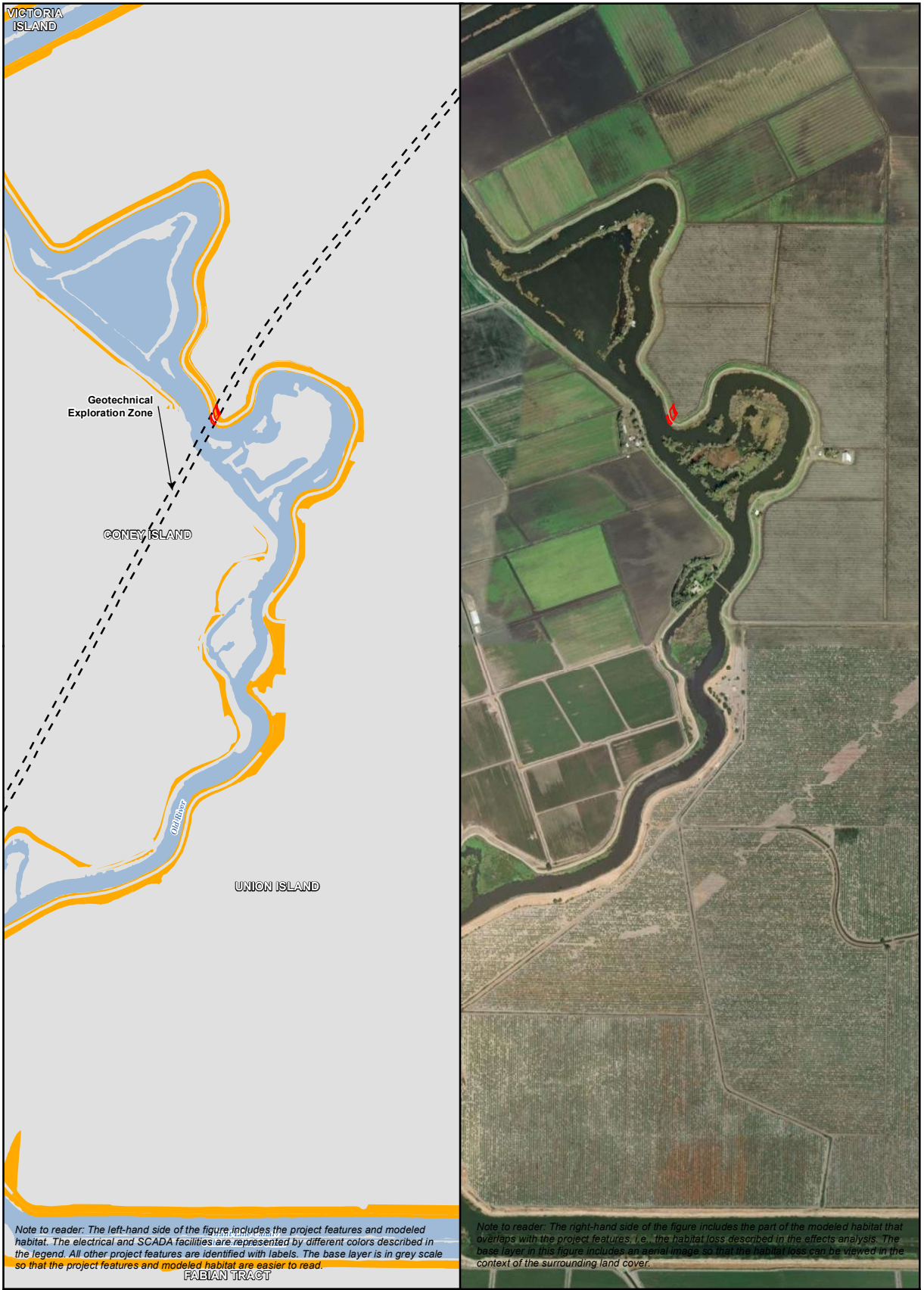
Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
SCADA - Underground New		

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

0 1,200 Feet

YOL Sacramento
SAC Portland
SOL
CON Stockton
ALA Mountain House

Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-49

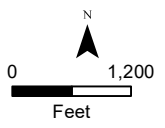


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

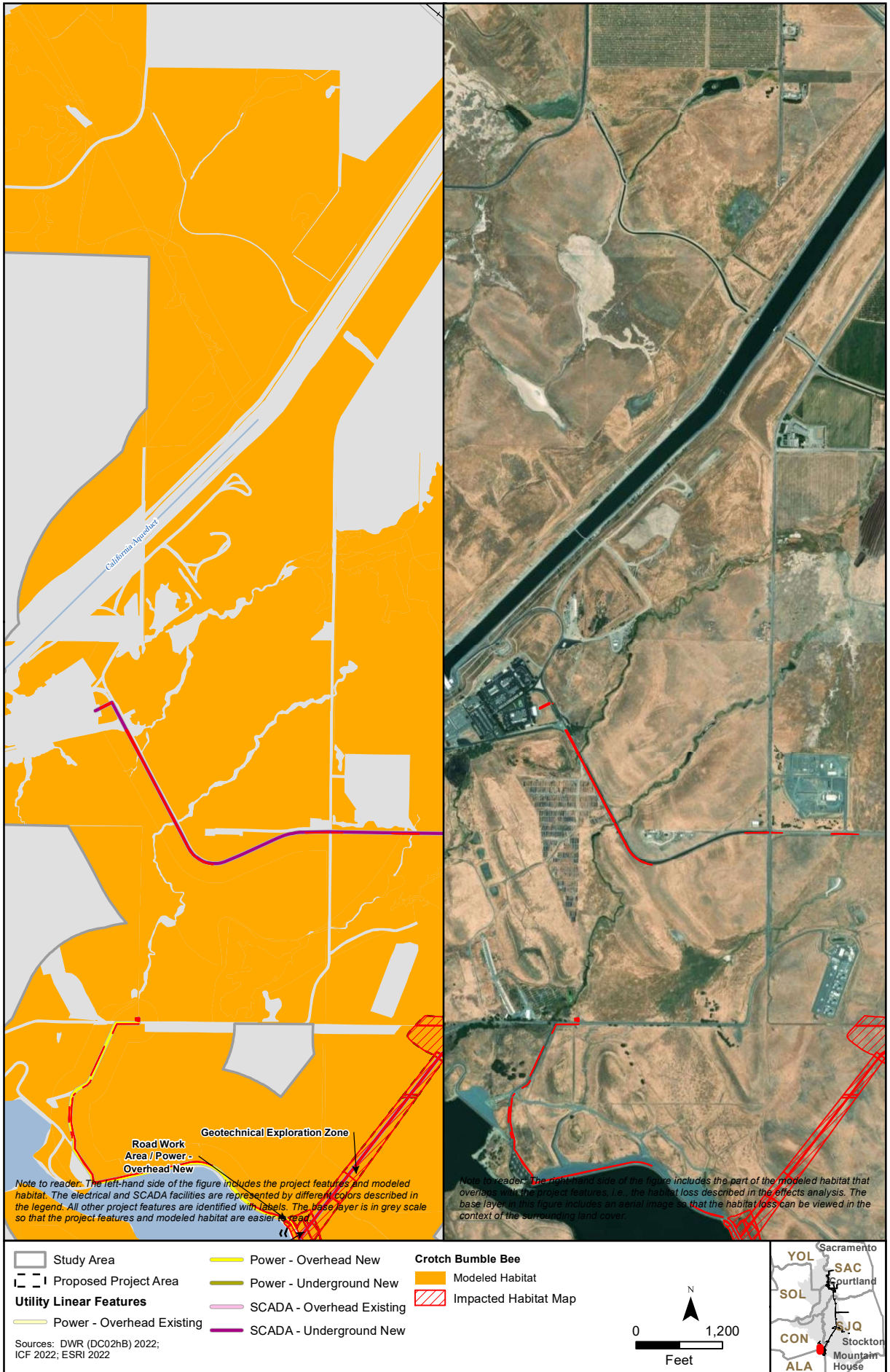
Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the affects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

- | | | |
|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

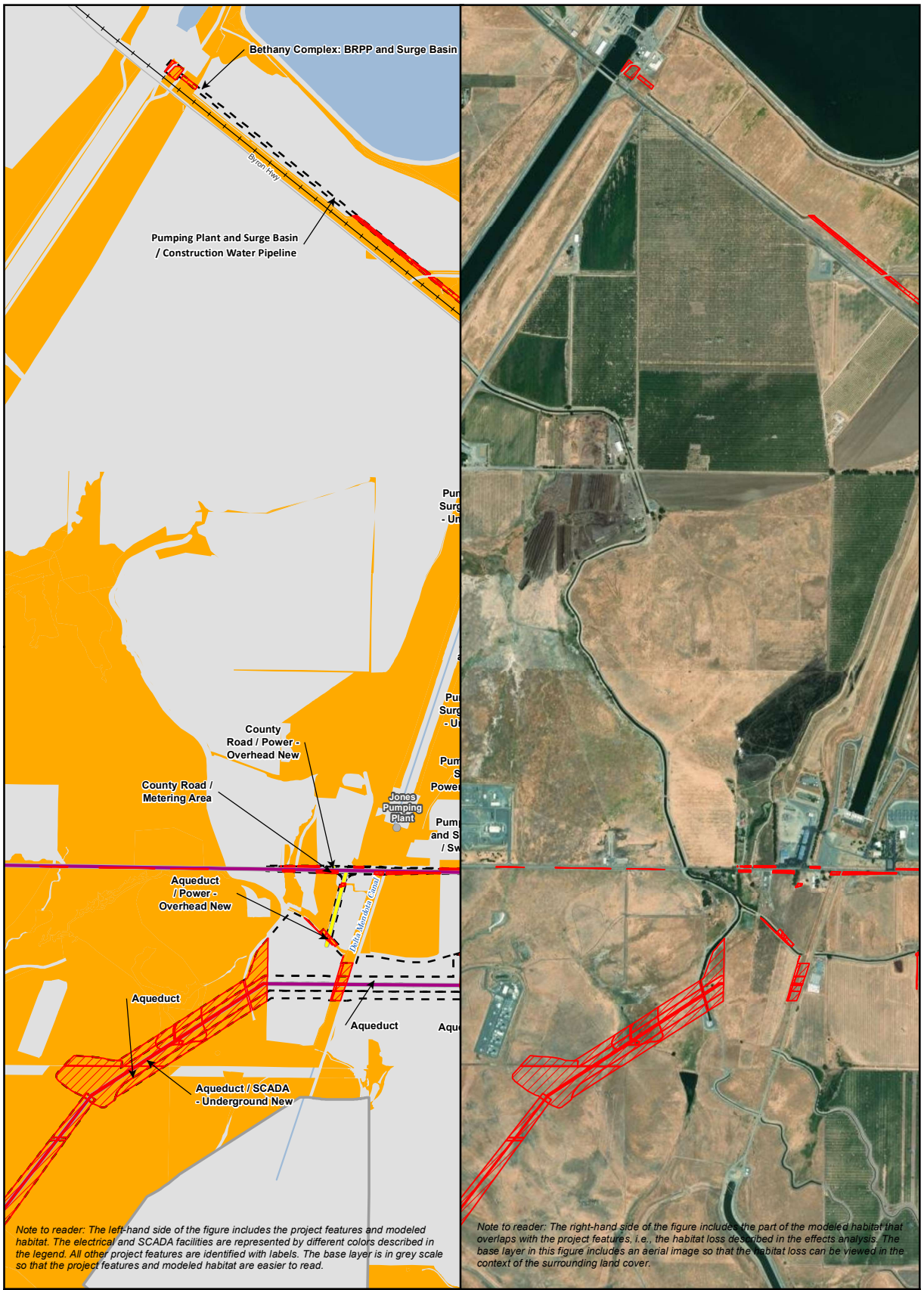
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-50



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-51



Study Area

Proposed Project Area

Utility Linear Features

Power - Overhead Existing

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

Power - Overhead New

Power - Underground New

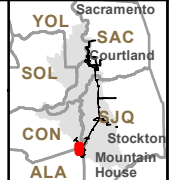
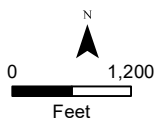
SCADA - Overhead Existing

SCADA - Underground New

Crotch Bumble Bee

Modeled Habitat

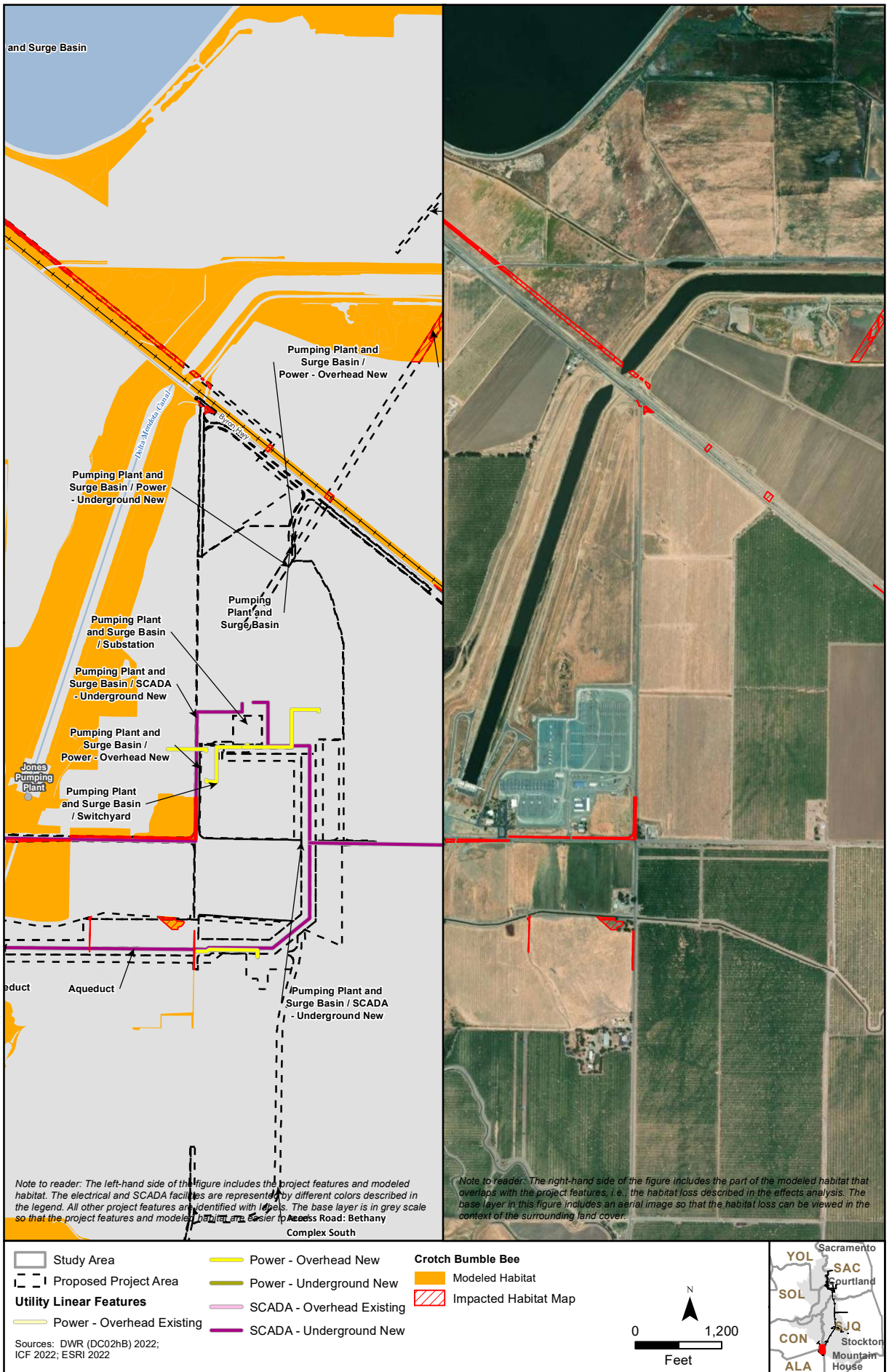
Impacted Habitat Map



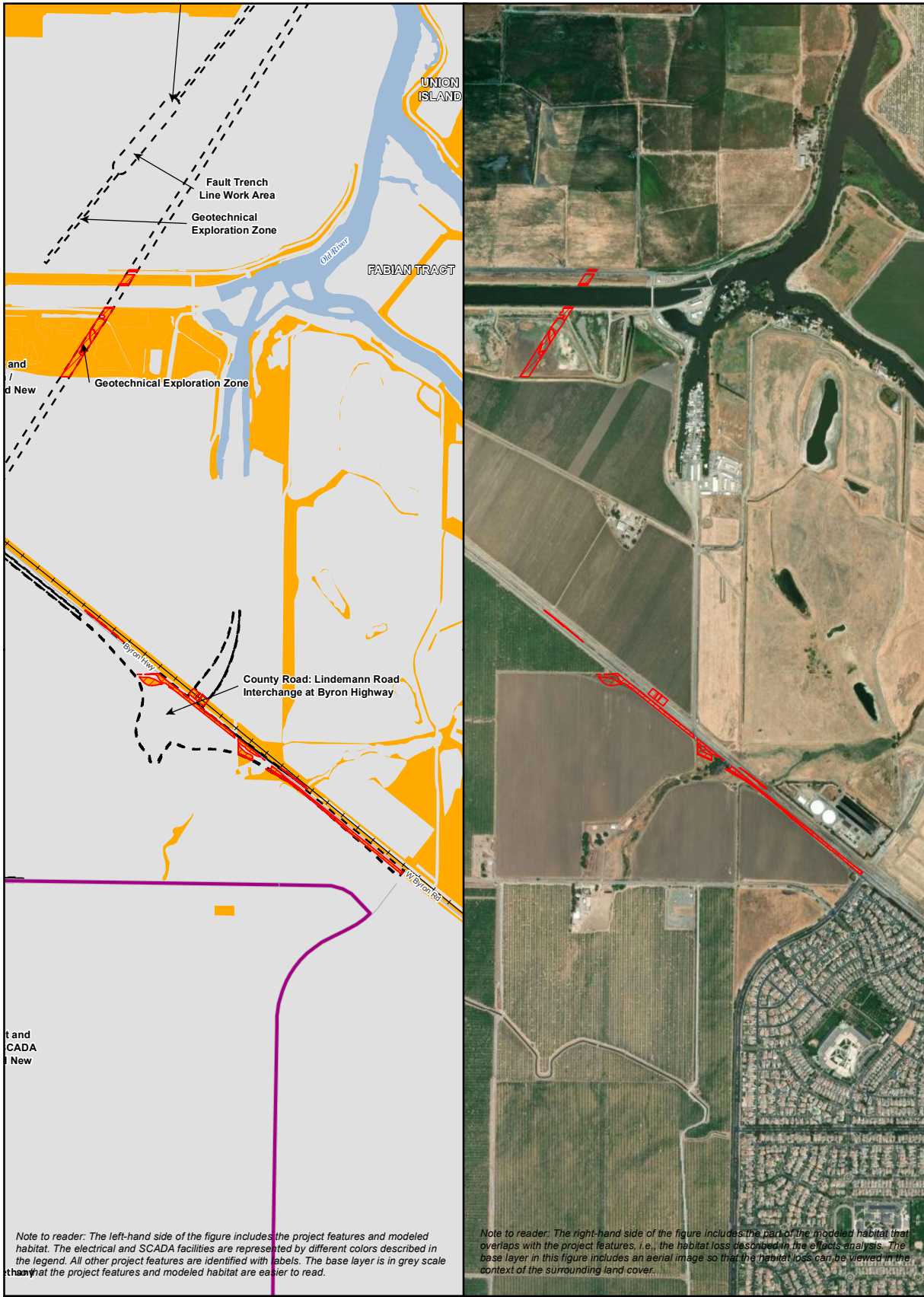
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Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-52



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-53



Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
SCADA - Underground New		

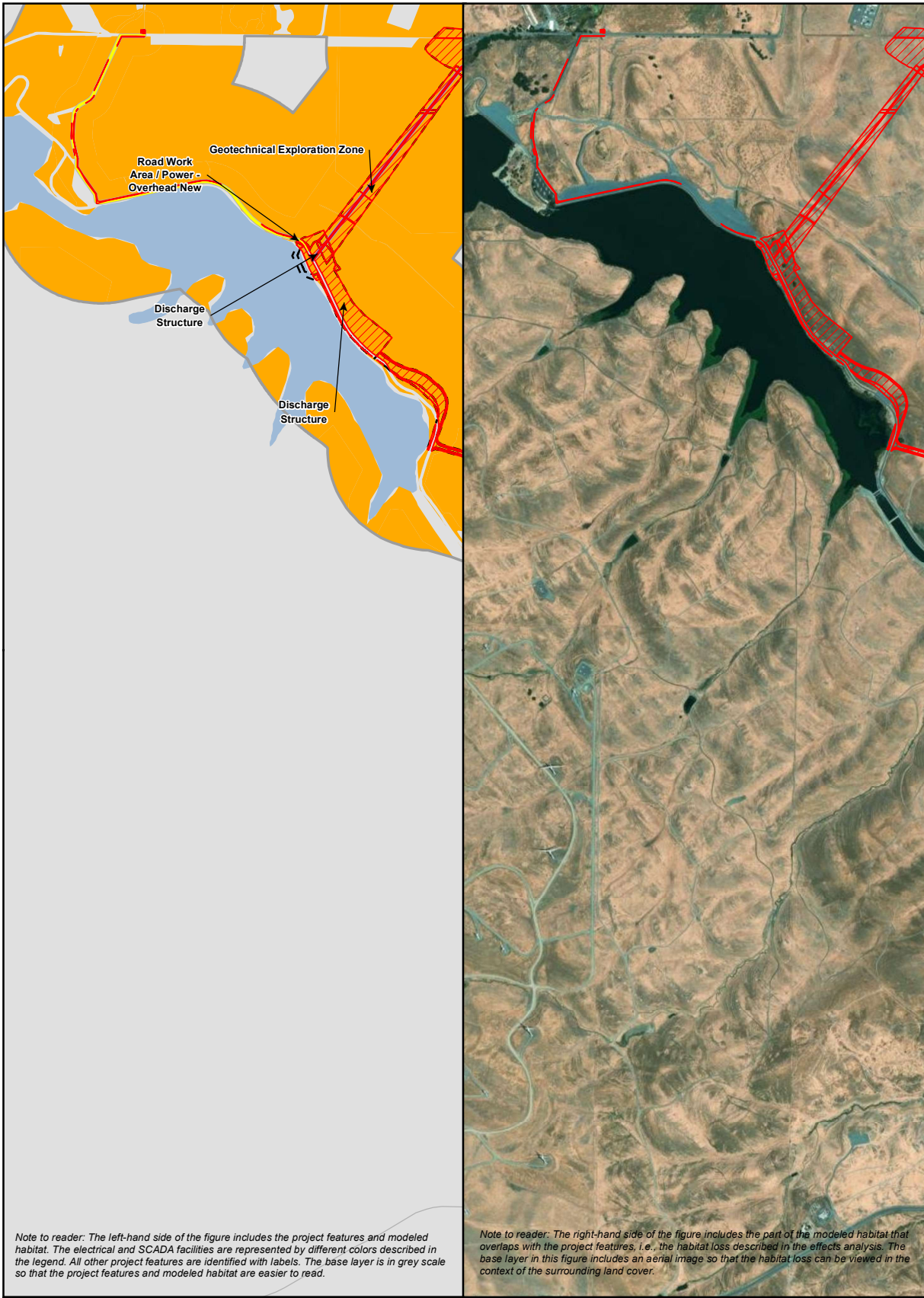
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

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Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-54

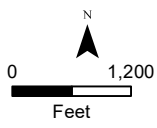


Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

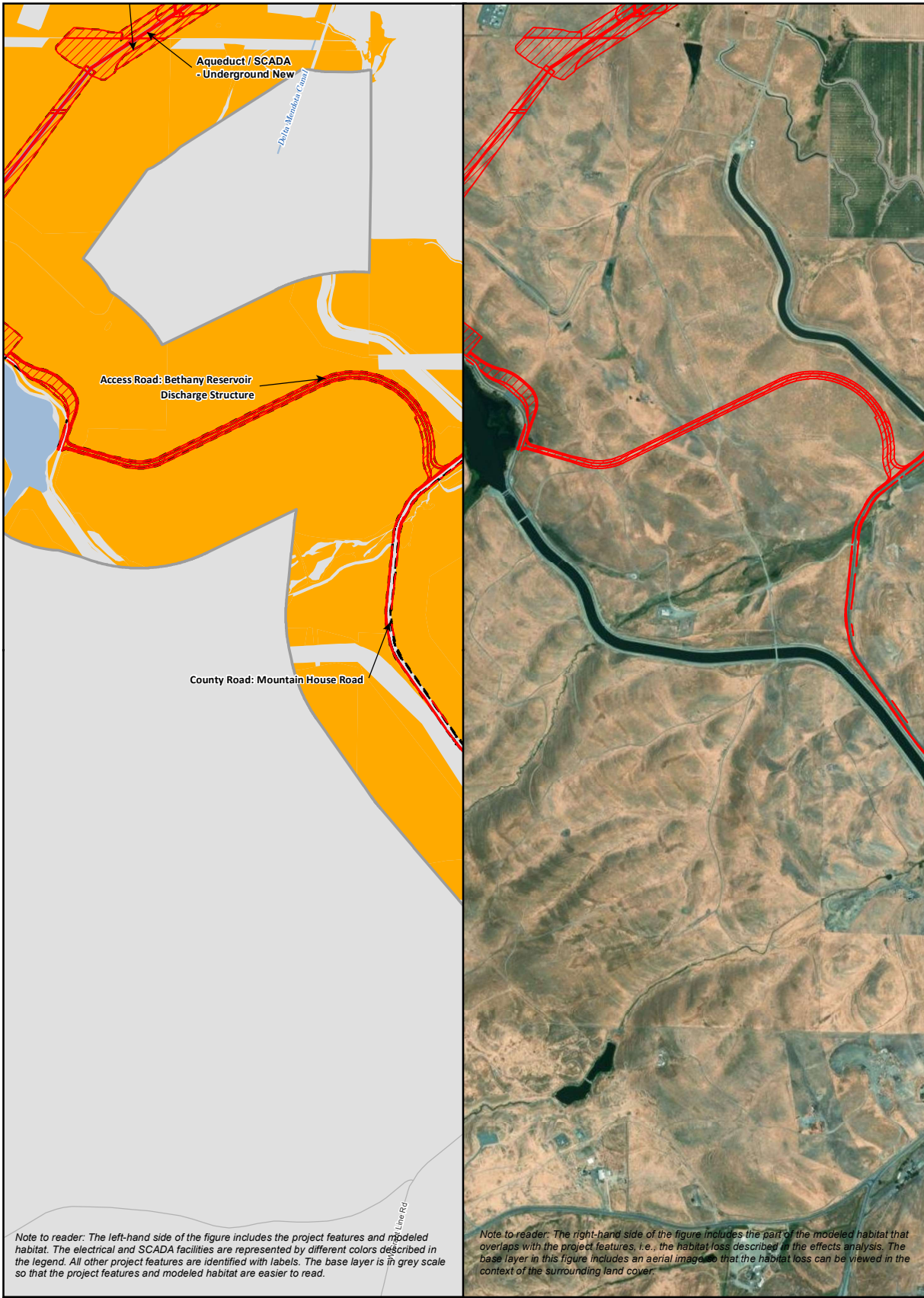
Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

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|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-55



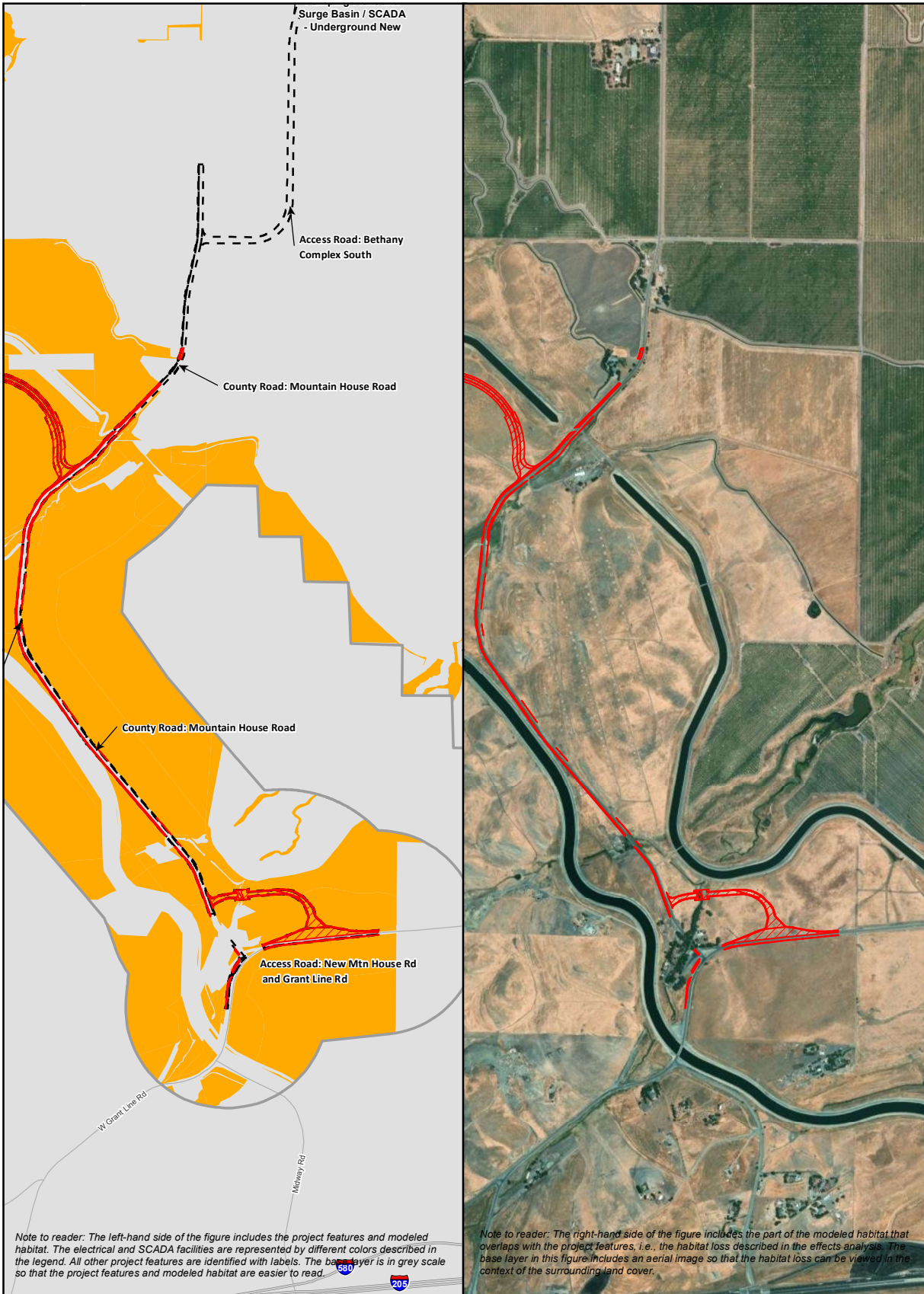
Note to reader: The left-hand side of the figure includes the project features and modeled habitat. The electrical and SCADA facilities are represented by different colors described in the legend. All other project features are identified with labels. The base layer is in grey scale so that the project features and modeled habitat are easier to read.

Note to reader: The right-hand side of the figure includes the part of the modeled habitat that overlaps with the project features, i.e., the habitat loss described in the effects analysis. The base layer in this figure includes an aerial image so that the habitat loss can be viewed in the context of the surrounding land cover.

Study Area	Power - Overhead New	Crotch Bumble Bee Modeled Habitat
Proposed Project Area	Power - Underground New	Impacted Habitat Map
Utility Linear Features		
Power - Overhead Existing	SCADA - Overhead Existing	
Power - Underground Existing	SCADA - Underground New	

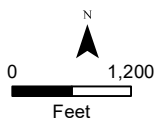
Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022

Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
 Proposed Project Area
 Figure 4.10-56



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|--------------------------------|---------------------------|-----------------------------------|
| Study Area | Power - Overhead New | Crotch Bumble Bee Modeled Habitat |
| Proposed Project Area | Power - Underground New | Impacted Habitat Map |
| Utility Linear Features | | |
| Power - Overhead Existing | SCADA - Overhead Existing | |
| SCADA - Underground New | | |

Sources: DWR (DC02hB) 2022; ICF 2022; ESRI 2022



Impacts to Crotch Bumble Bee Modeled Habitat from Project Construction
Proposed Project Area
Figure 4.10-57