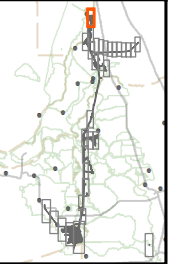
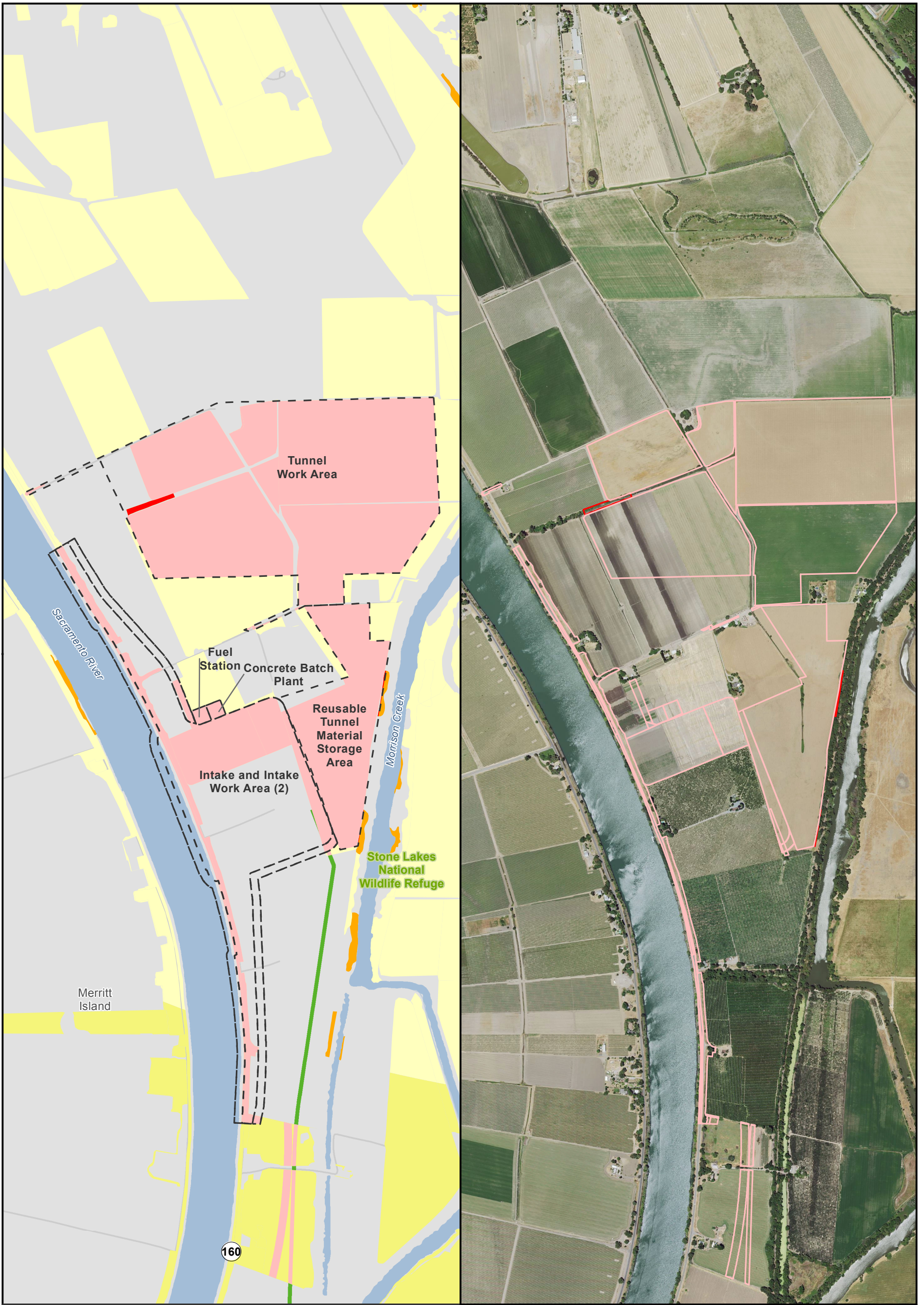


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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; Critical Habitat, USFWS 2012



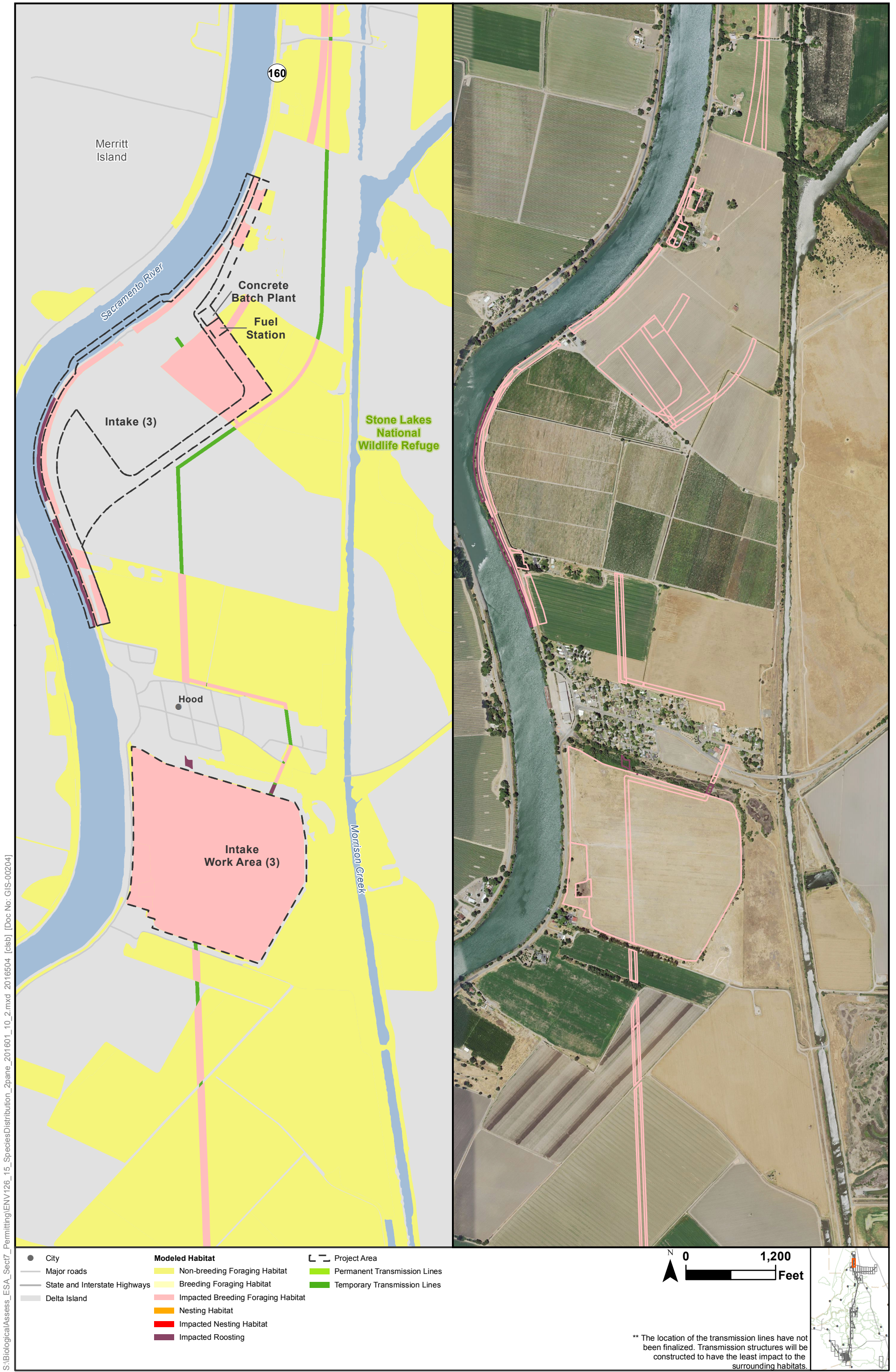
**Figure 4.8-1**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

**Figure 4.8-2**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**



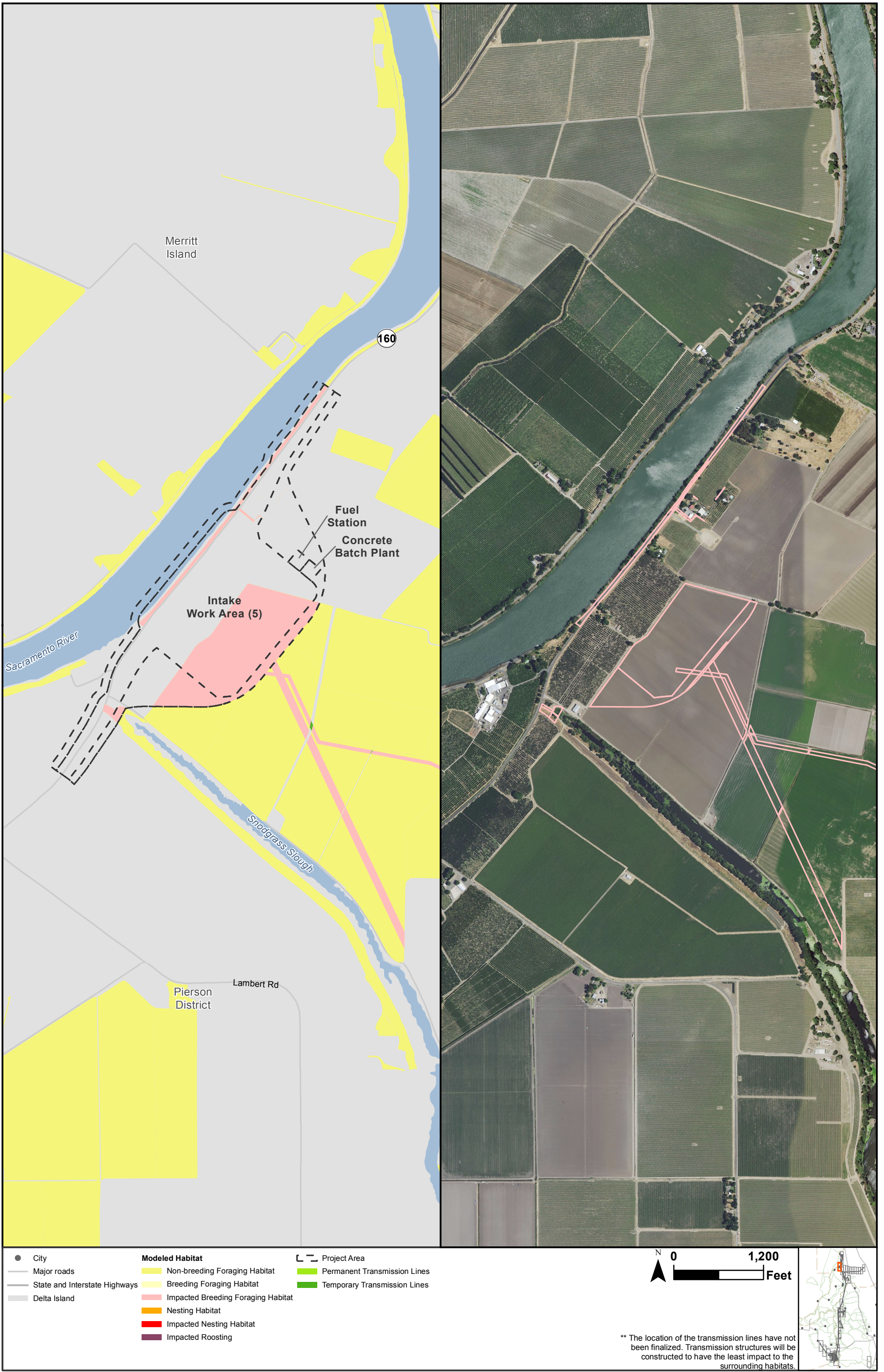
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-3**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

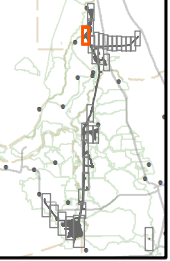
S:\Biological\Assess\_ESA\_Sect7\_Permittin\ENV126\_15\_SpeciesDistribution\_2pane\_201601\_10\_2.mxd 2016504 [clsb] [Doc No: GIS-00204]



- City
  - Major roads
  - State and Interstate Highways
  - Delta Island
- Modeled Habitat**
- Non-breeding Foraging Habitat
  - Breeding Foraging Habitat
  - Impacted Breeding Foraging Habitat
  - Nesting Habitat
  - Impacted Nesting Habitat
  - Impacted Roosting
- Project Area**
- Permanent Transmission Lines
  - Temporary Transmission Lines



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.



Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



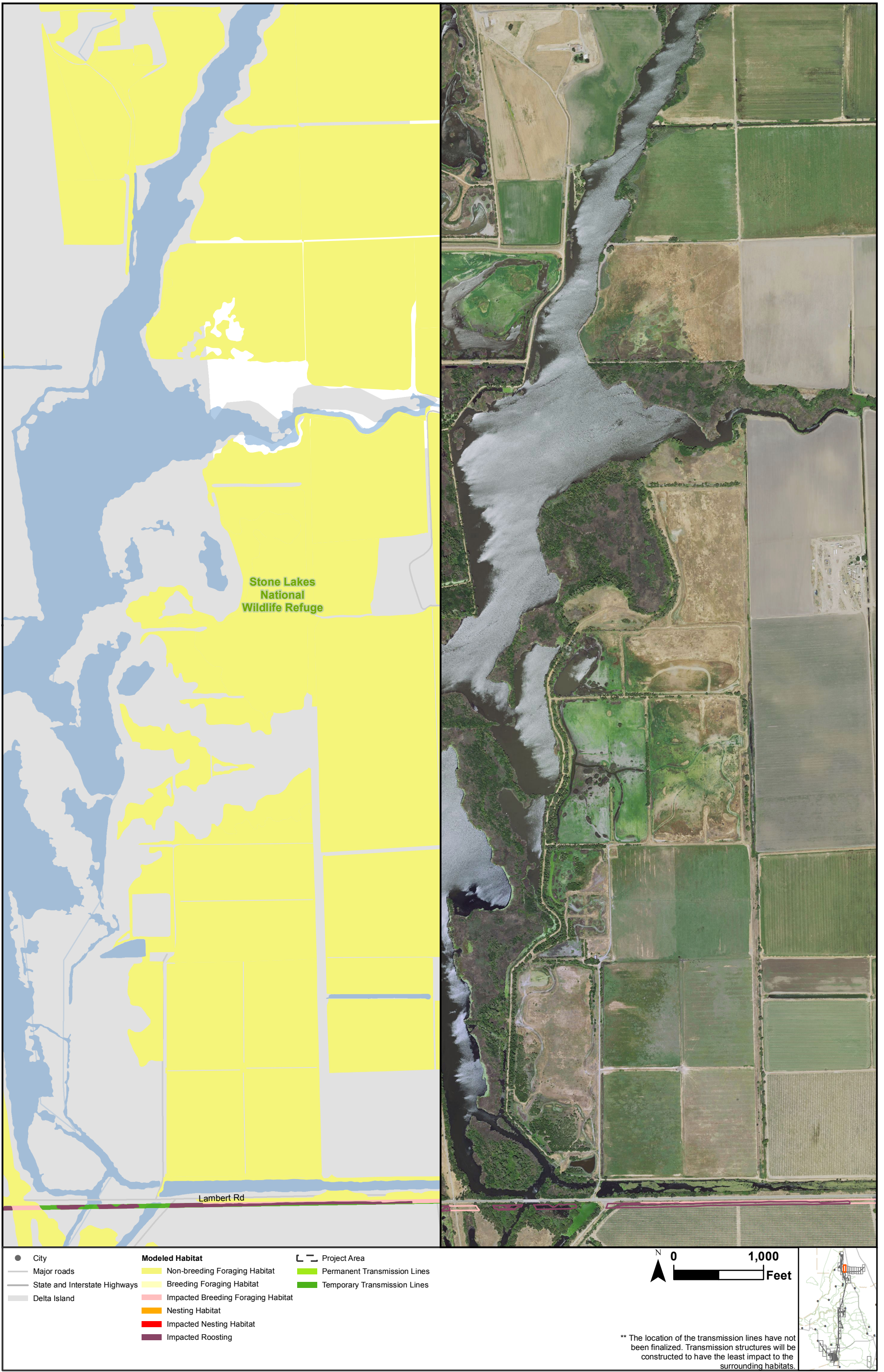
**Figure 4.8-4**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

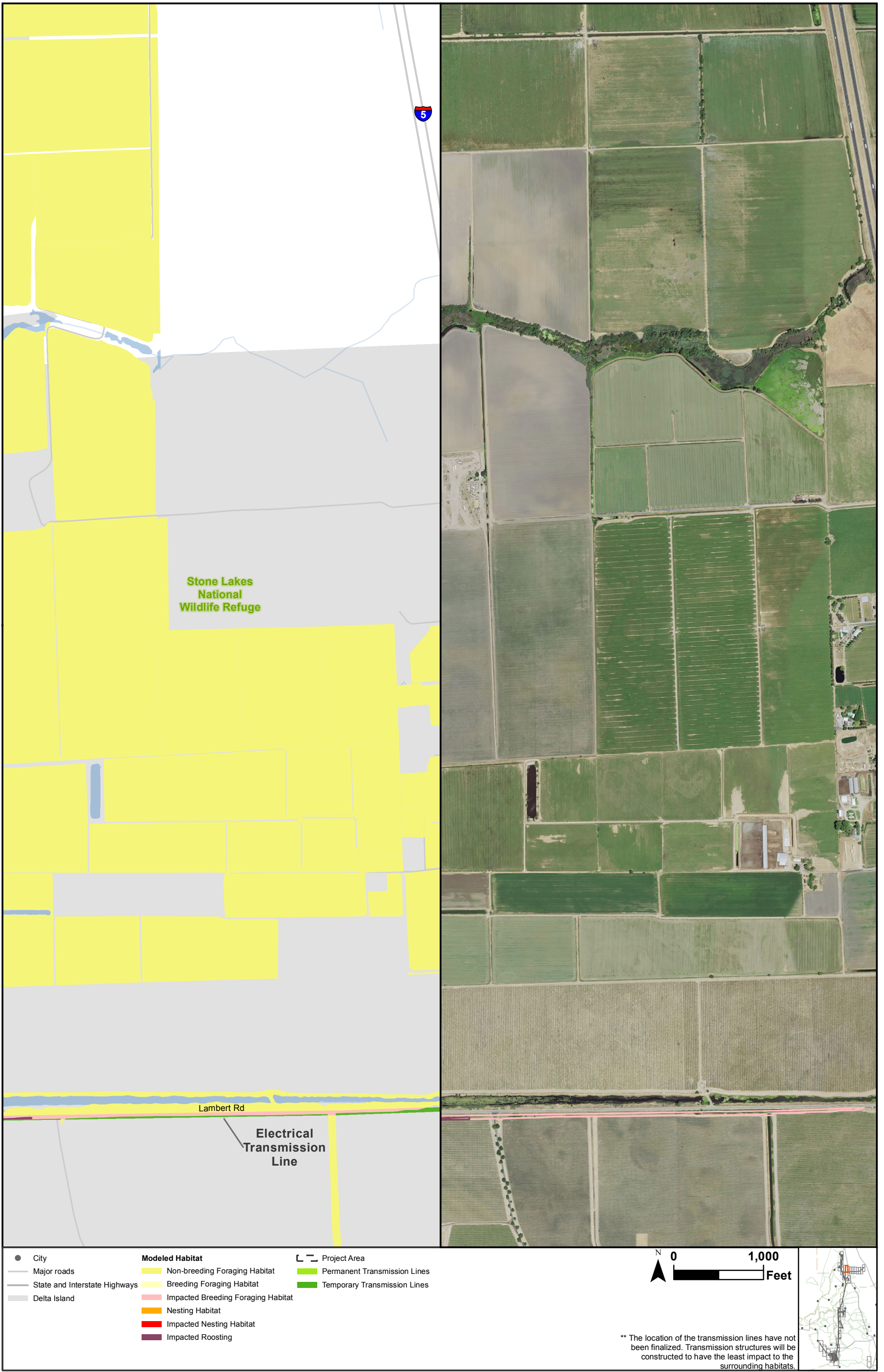
**Figure 4.8-5**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**



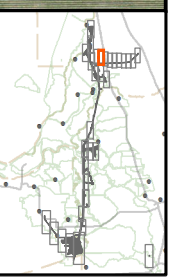
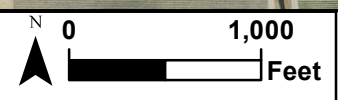
Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

**Figure 4.8-6**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**

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- |                                 |                                      |                                |
|---------------------------------|--------------------------------------|--------------------------------|
| ● City                          | <b>Modeled Habitat</b>               | ▭ Project Area                 |
| — Major roads                   | ■ Non-breeding Foraging Habitat      | ■ Permanent Transmission Lines |
| — State and Interstate Highways | ■ Breeding Foraging Habitat          | ■ Temporary Transmission Lines |
| — Delta Island                  | ■ Impacted Breeding Foraging Habitat |                                |
|                                 | ■ Nesting Habitat                    |                                |
|                                 | ■ Impacted Nesting Habitat           |                                |
|                                 | ■ Impacted Roosting                  |                                |



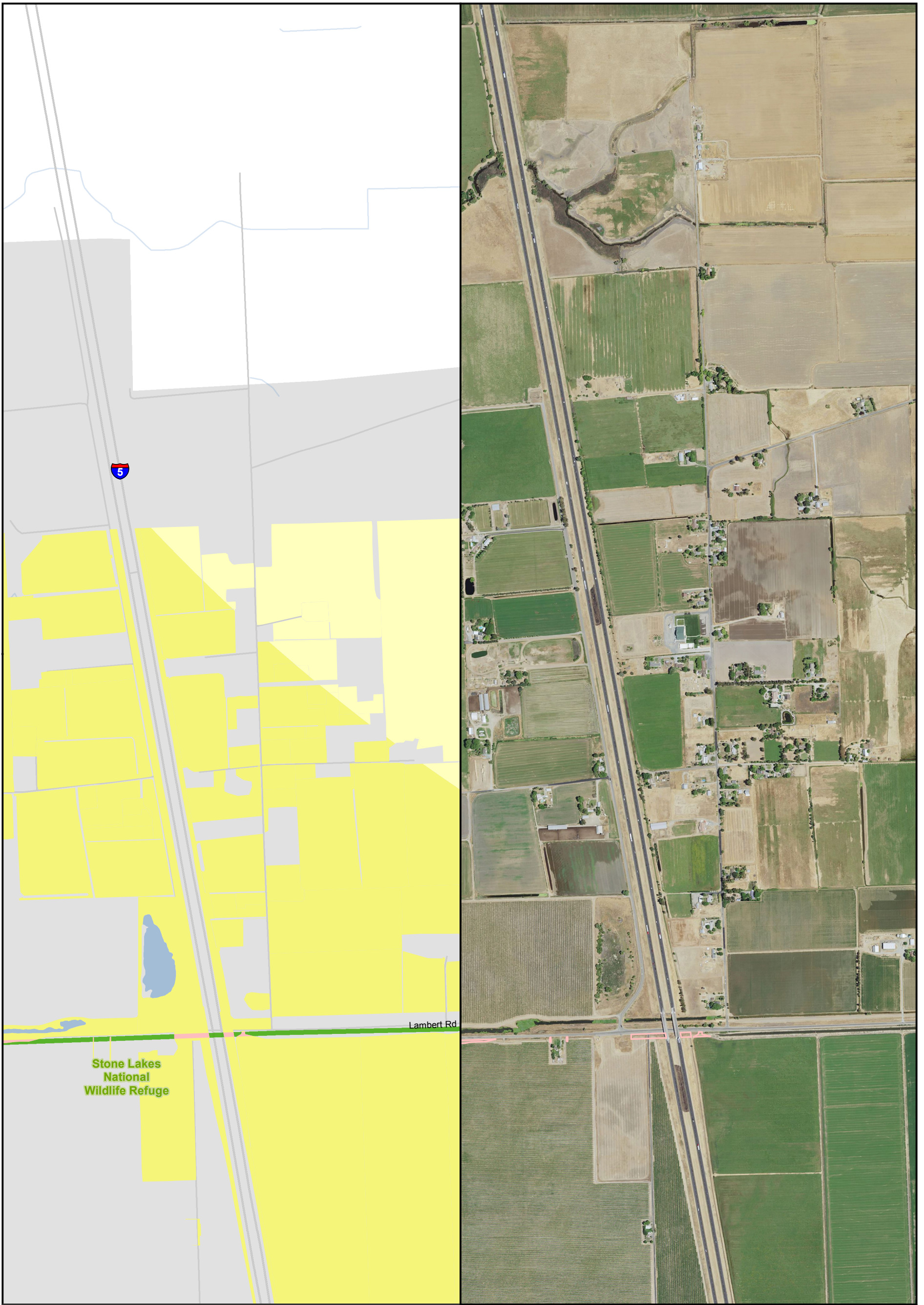
\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

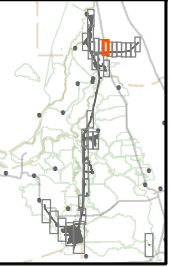


**Figure 4.8-7**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

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- |                                 |                                      |                                |
|---------------------------------|--------------------------------------|--------------------------------|
| ● City                          | <b>Modeled Habitat</b>               | ▭ Project Area                 |
| — Major roads                   | ■ Non-breeding Foraging Habitat      | ▭ Permanent Transmission Lines |
| — State and Interstate Highways | ■ Breeding Foraging Habitat          | ▭ Temporary Transmission Lines |
| — Delta Island                  | ■ Impacted Breeding Foraging Habitat |                                |
|                                 | ■ Nesting Habitat                    |                                |
|                                 | ■ Impacted Nesting Habitat           |                                |
|                                 | ■ Impacted Roosting                  |                                |



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

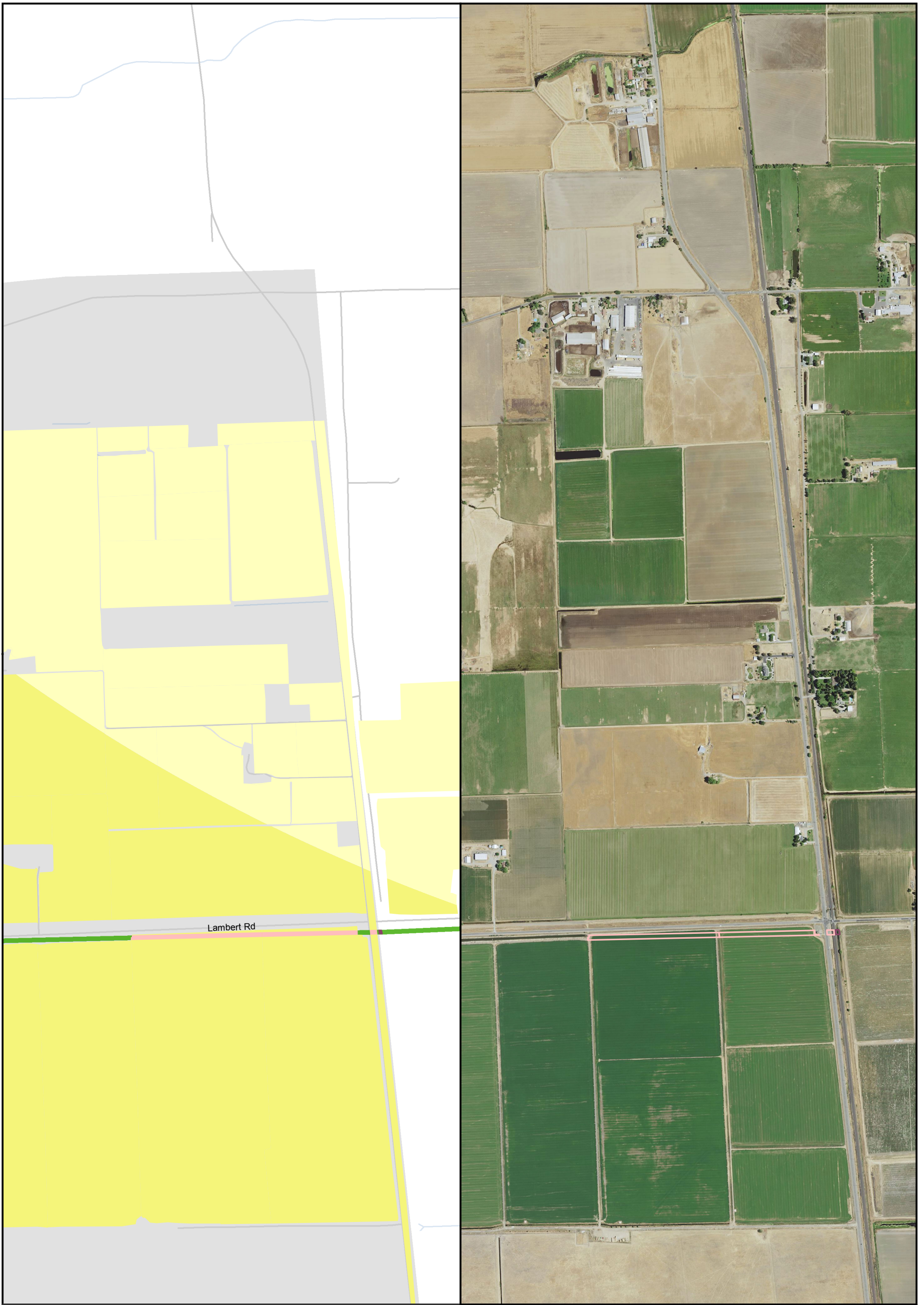
Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



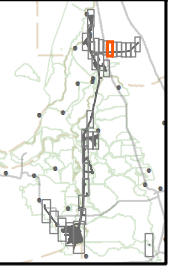
**Figure 4.8-8**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project



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- |                                 |                                      |                                |
|---------------------------------|--------------------------------------|--------------------------------|
| ● City                          | <b>Modeled Habitat</b>               | ▭ Project Area                 |
| — Major roads                   | ■ Non-breeding Foraging Habitat      | ▭ Permanent Transmission Lines |
| — State and Interstate Highways | ■ Breeding Foraging Habitat          | ▭ Temporary Transmission Lines |
| ■ Delta Island                  | ■ Impacted Breeding Foraging Habitat |                                |
|                                 | ■ Nesting Habitat                    |                                |
|                                 | ■ Impacted Nesting Habitat           |                                |
|                                 | ■ Impacted Roosting                  |                                |



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-9**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

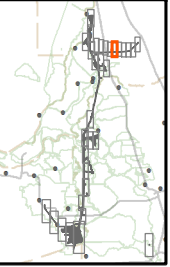
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- |                                 |                                      |                                |
|---------------------------------|--------------------------------------|--------------------------------|
| ● City                          | <b>Modeled Habitat</b>               | ▭ Project Area                 |
| — Major roads                   | ■ Non-breeding Foraging Habitat      | ▭ Permanent Transmission Lines |
| — State and Interstate Highways | ■ Breeding Foraging Habitat          | ▭ Temporary Transmission Lines |
| ▭ Delta Island                  | ■ Impacted Breeding Foraging Habitat |                                |
|                                 | ■ Nesting Habitat                    |                                |
|                                 | ■ Impacted Nesting Habitat           |                                |
|                                 | ■ Impacted Roosting                  |                                |



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

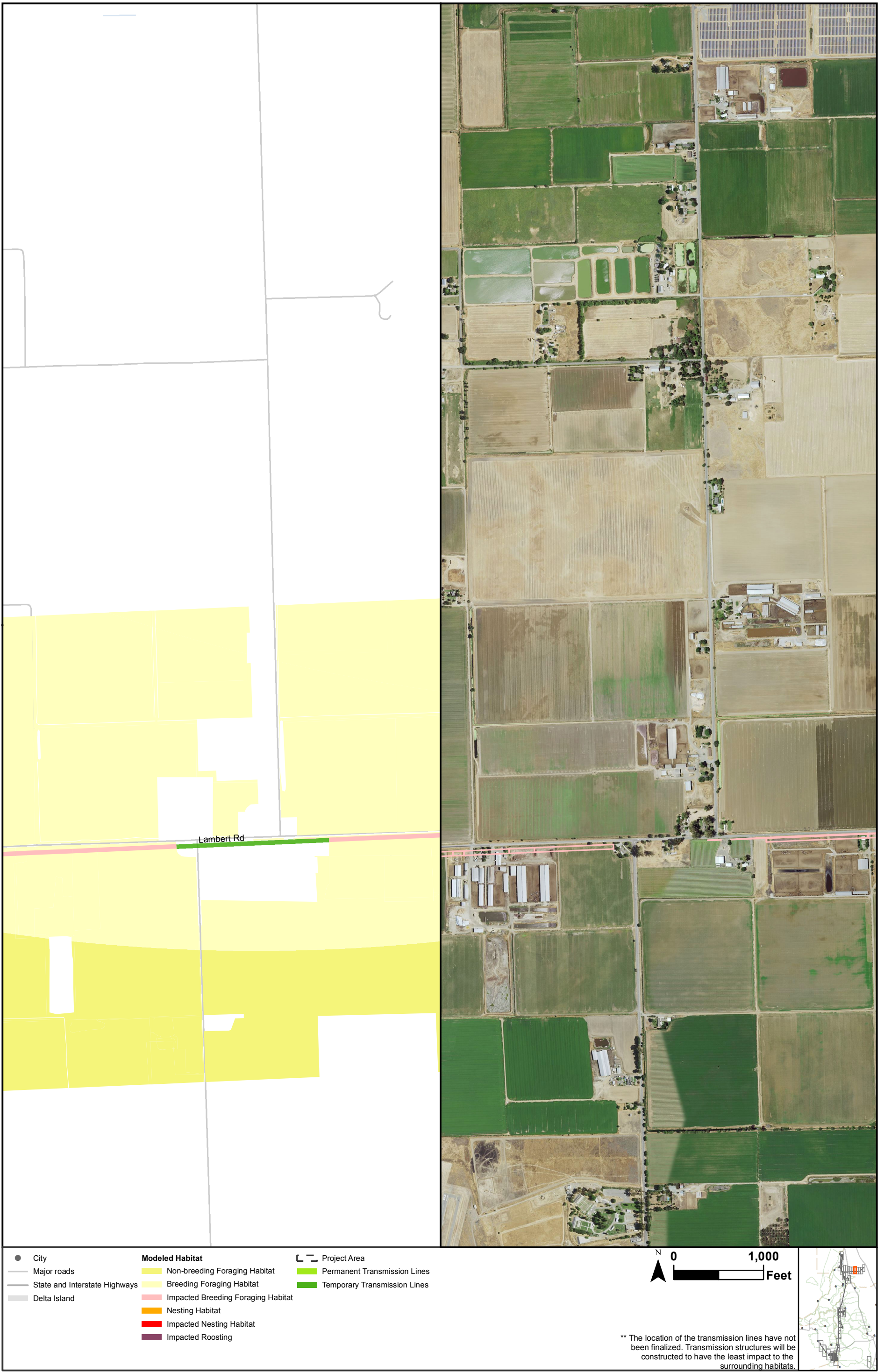


Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-10**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

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- City
  - Major roads
  - State and Interstate Highways
  - Delta Island
- Modeled Habitat**
- Non-breeding Foraging Habitat
  - Breeding Foraging Habitat
  - Impacted Breeding Foraging Habitat
  - Nesting Habitat
  - Impacted Nesting Habitat
  - Impacted Roosting
- Project Area**
- Permanent Transmission Lines
  - Temporary Transmission Lines



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.



Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-11**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

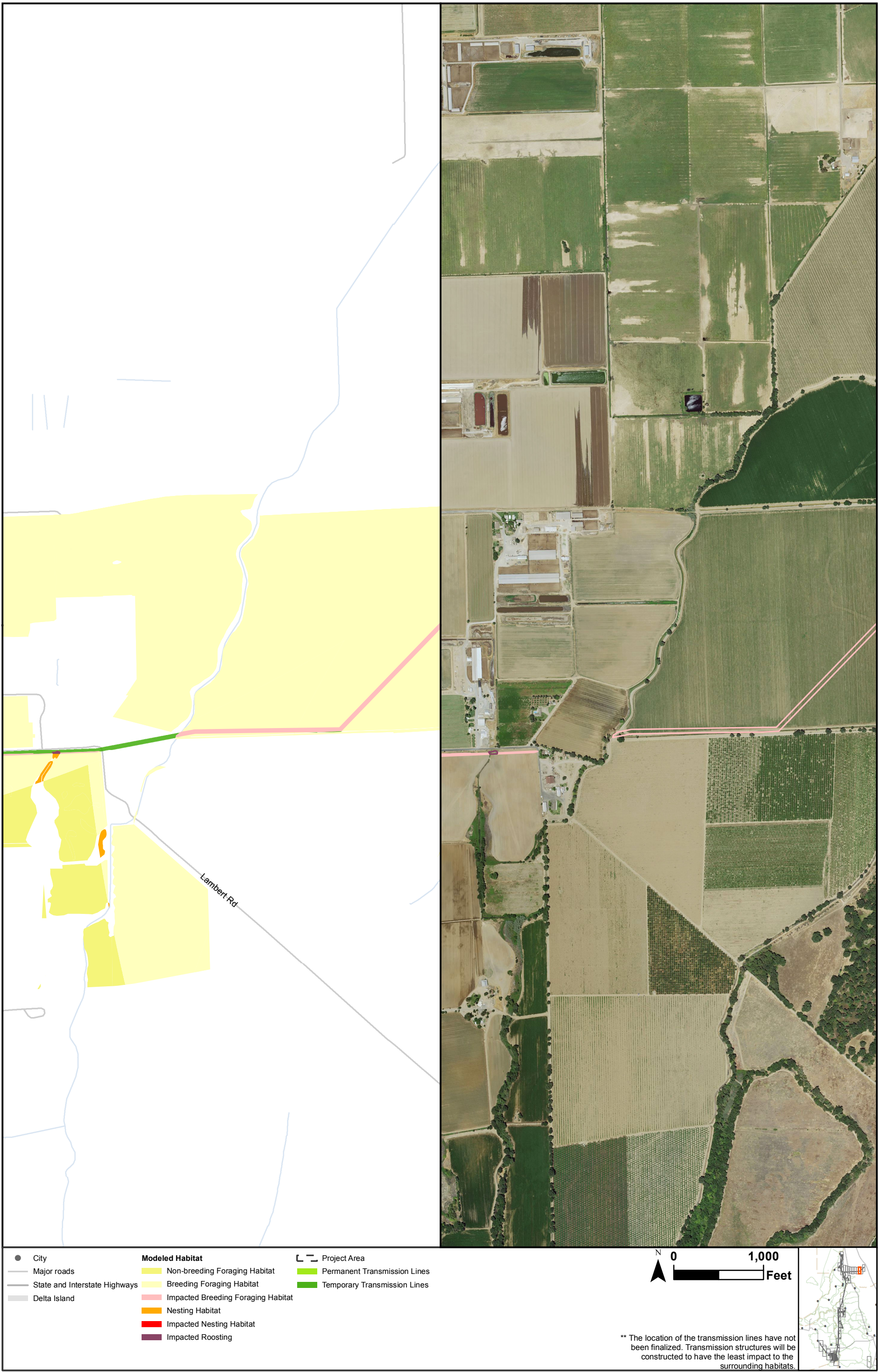
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-12**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**

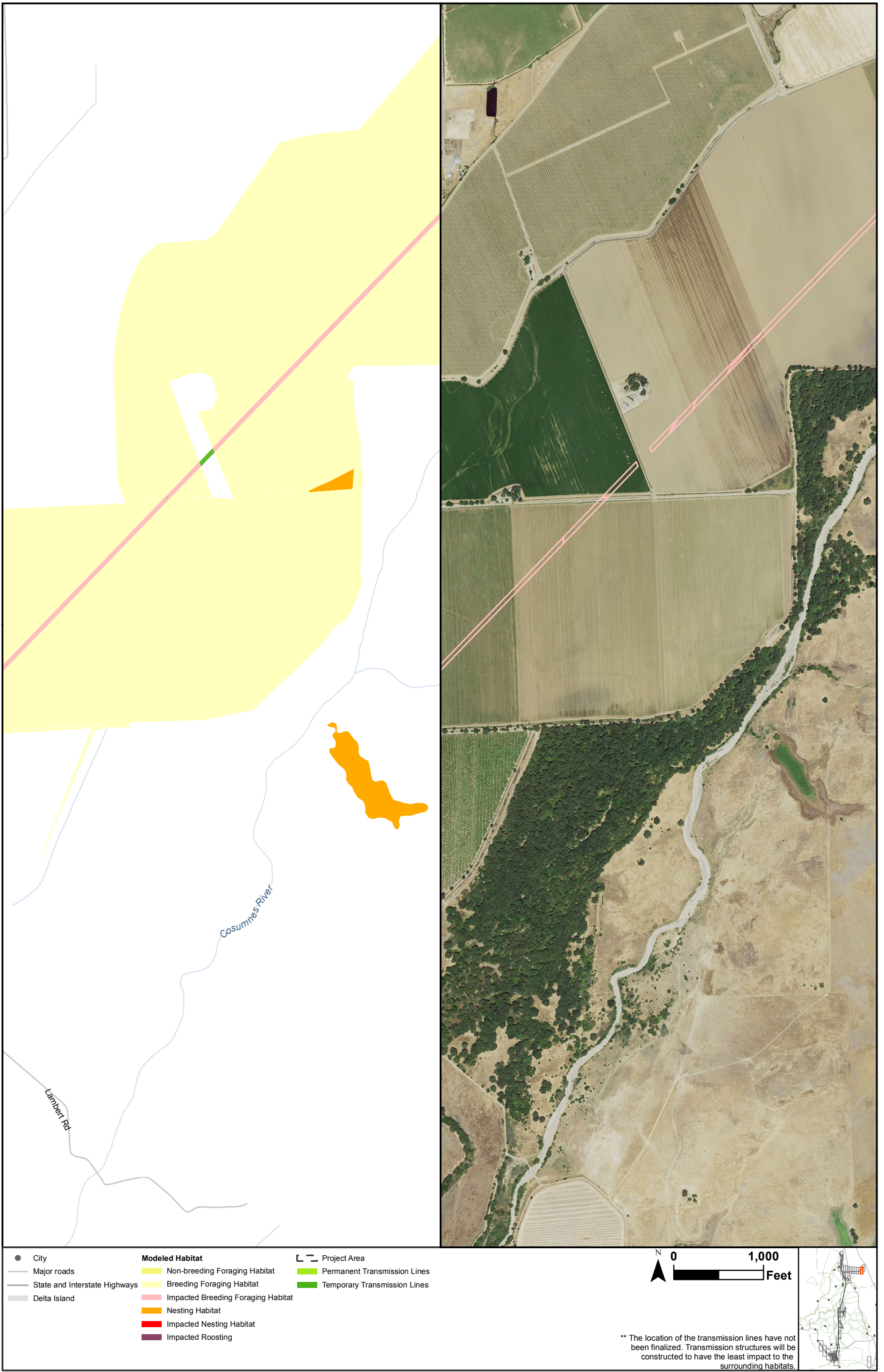


\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

**Figure 4.8-13**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**

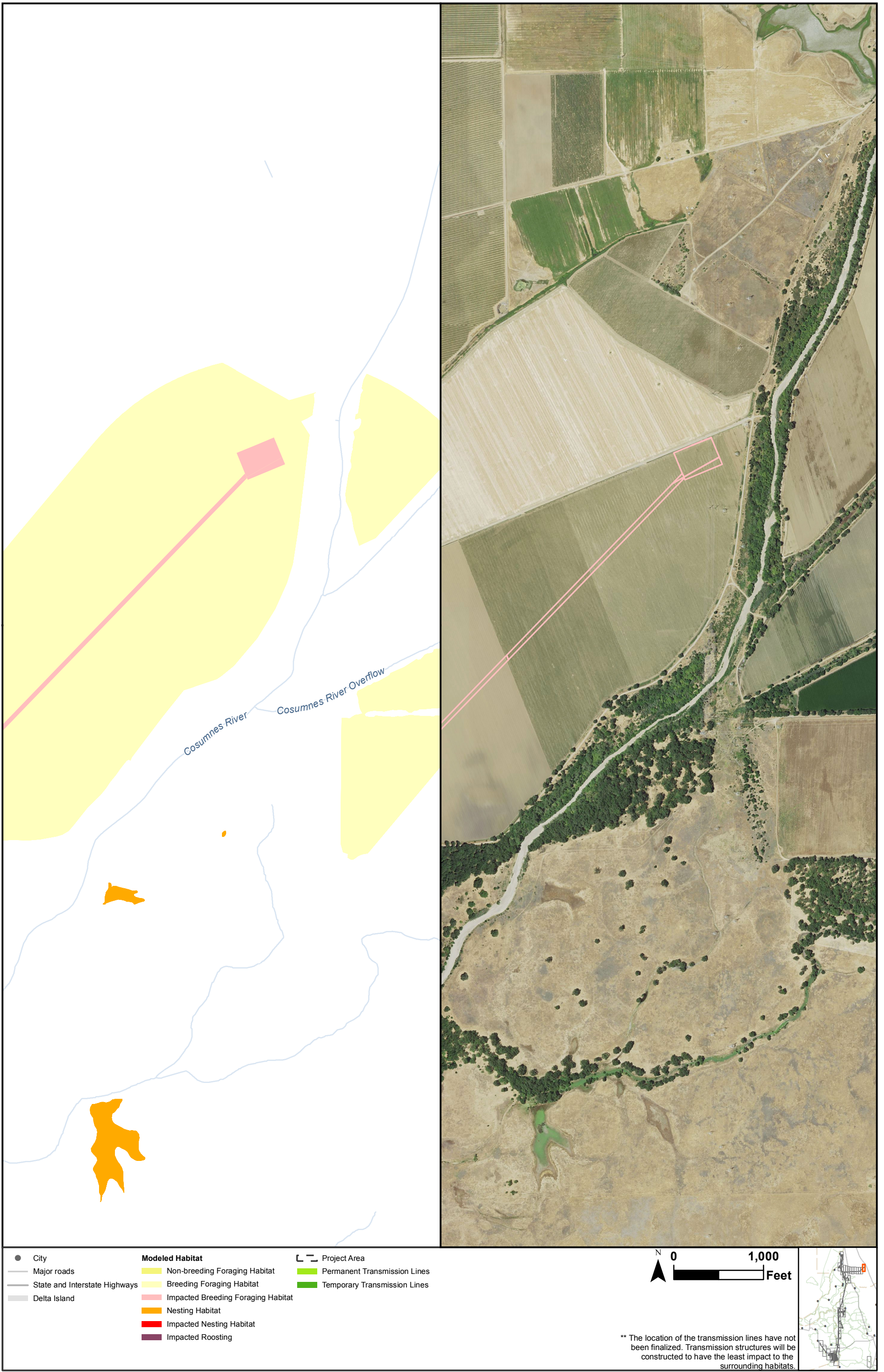
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

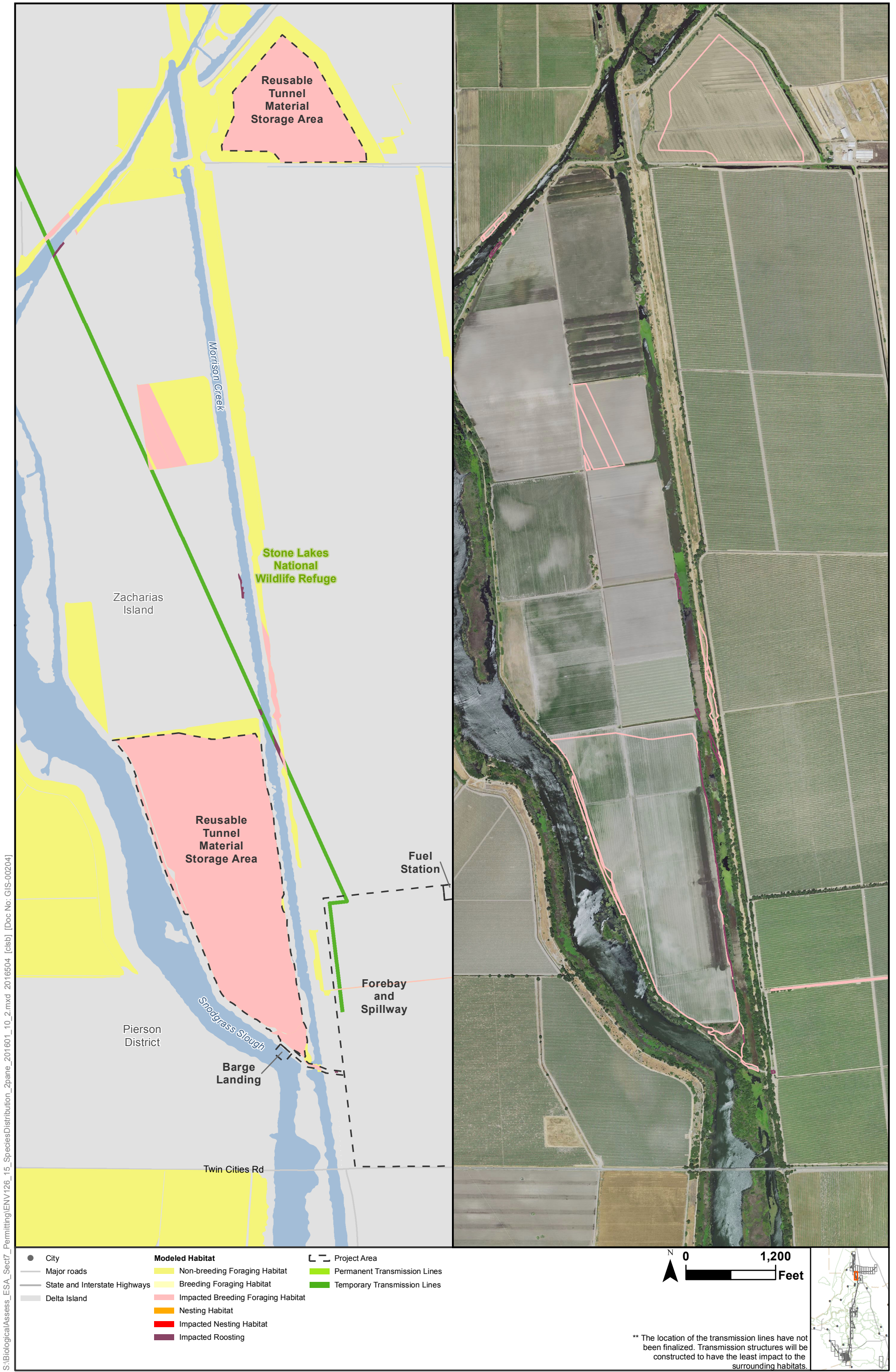
**Figure 4.8-14**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

S:\Biological\Assess\_ESA\_Sect7\_Permittin\ENV126\_15\_SpeciesDistribution\_2pane\_201601\_10\_2.mxd\_2016504 [clsb] [Doc No: GIS-00204]



Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

**Figure 4.8-15**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**



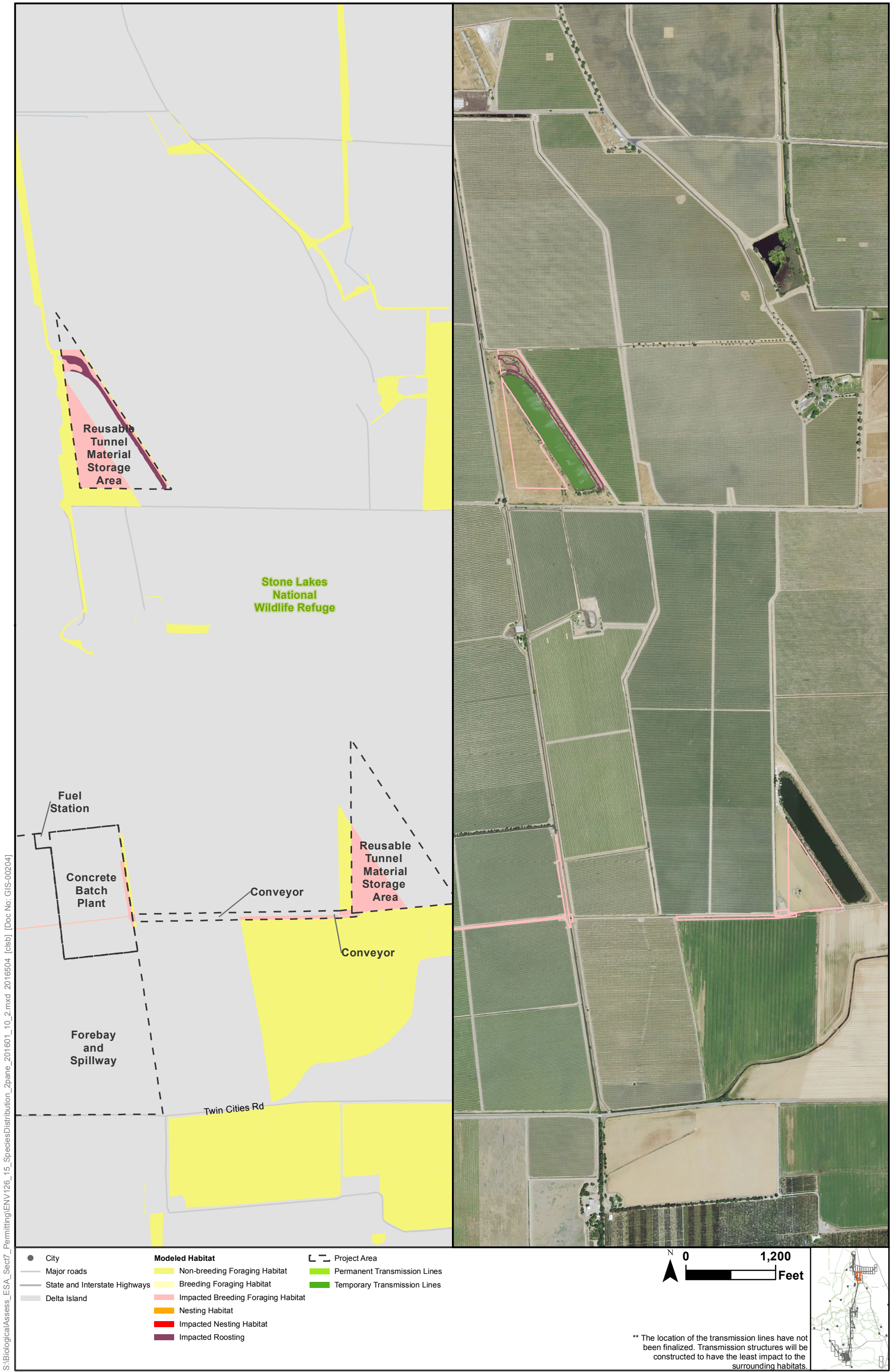
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-16**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

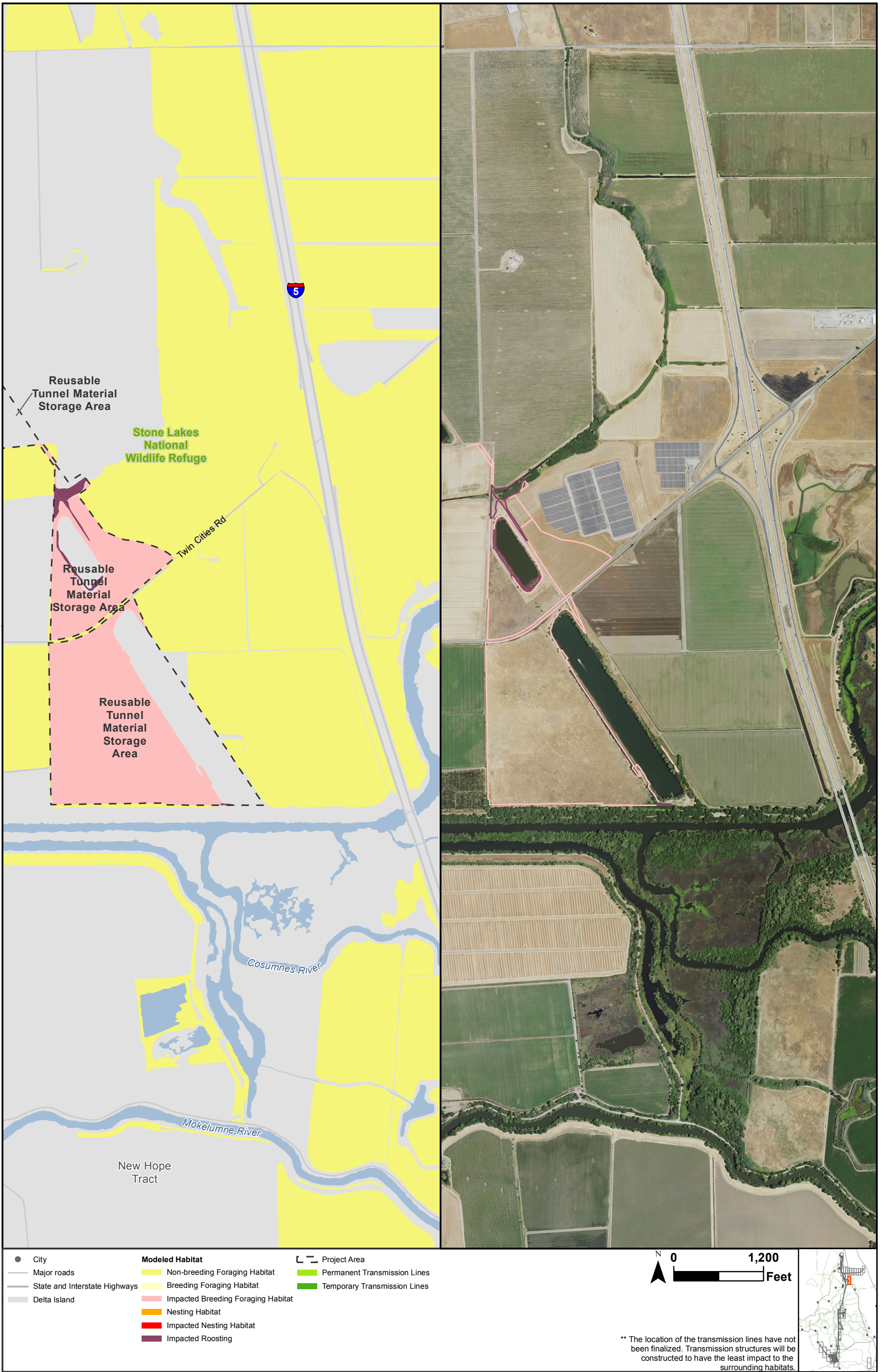




Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

**Figure 4.8-17**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**

S:\Biological\Assess\_ESA\_Sect7\_Permittin\ENV126\_15\_SpeciesDistribution\_2pane\_201601\_10\_2.mxd 2016504 [clsb] [Doc No: GIS-00204]



Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

**Figure 4.8-18**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**

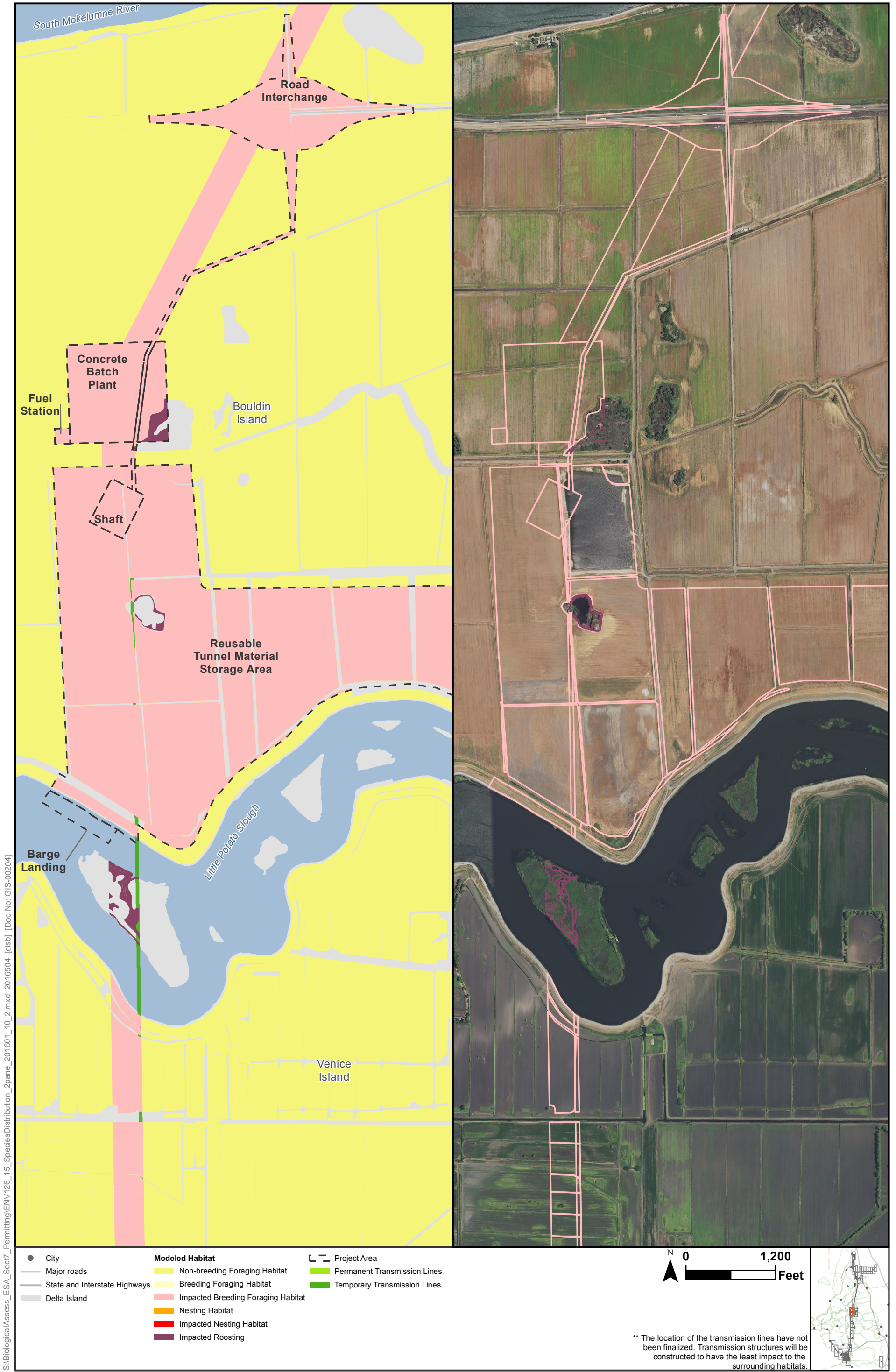
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-19**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**

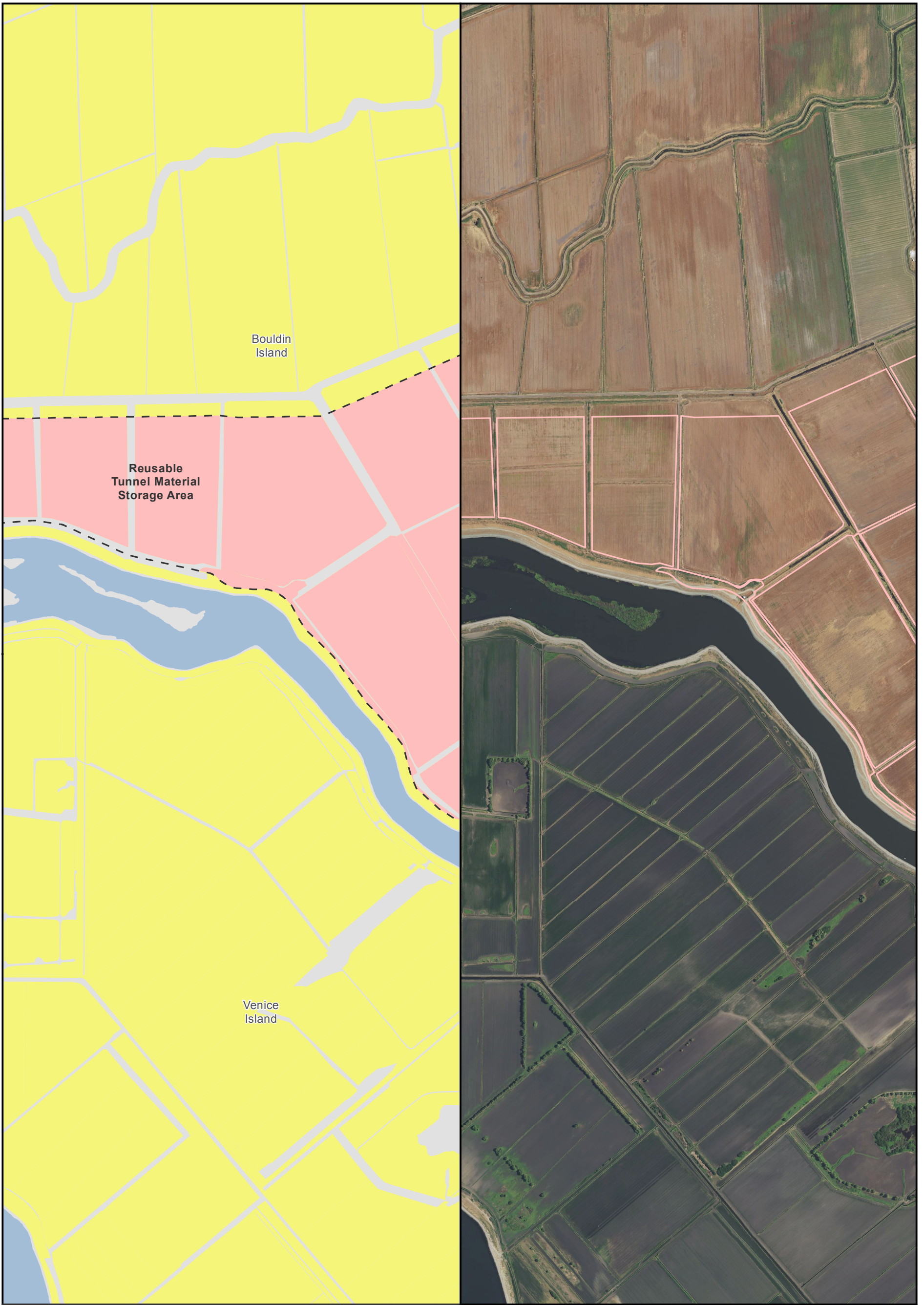


Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-20**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**

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- |                                 |                                      |                                |
|---------------------------------|--------------------------------------|--------------------------------|
| ● City                          | <b>Modeled Habitat</b>               | ▬ Project Area                 |
| — Major roads                   | ■ Non-breeding Foraging Habitat      | ▬ Permanent Transmission Lines |
| — State and Interstate Highways | ■ Breeding Foraging Habitat          | ▬ Temporary Transmission Lines |
| ▬ Delta Island                  | ■ Impacted Breeding Foraging Habitat |                                |
|                                 | ■ Nesting Habitat                    |                                |
|                                 | ■ Impacted Nesting Habitat           |                                |
|                                 | ■ Impacted Roosting                  |                                |



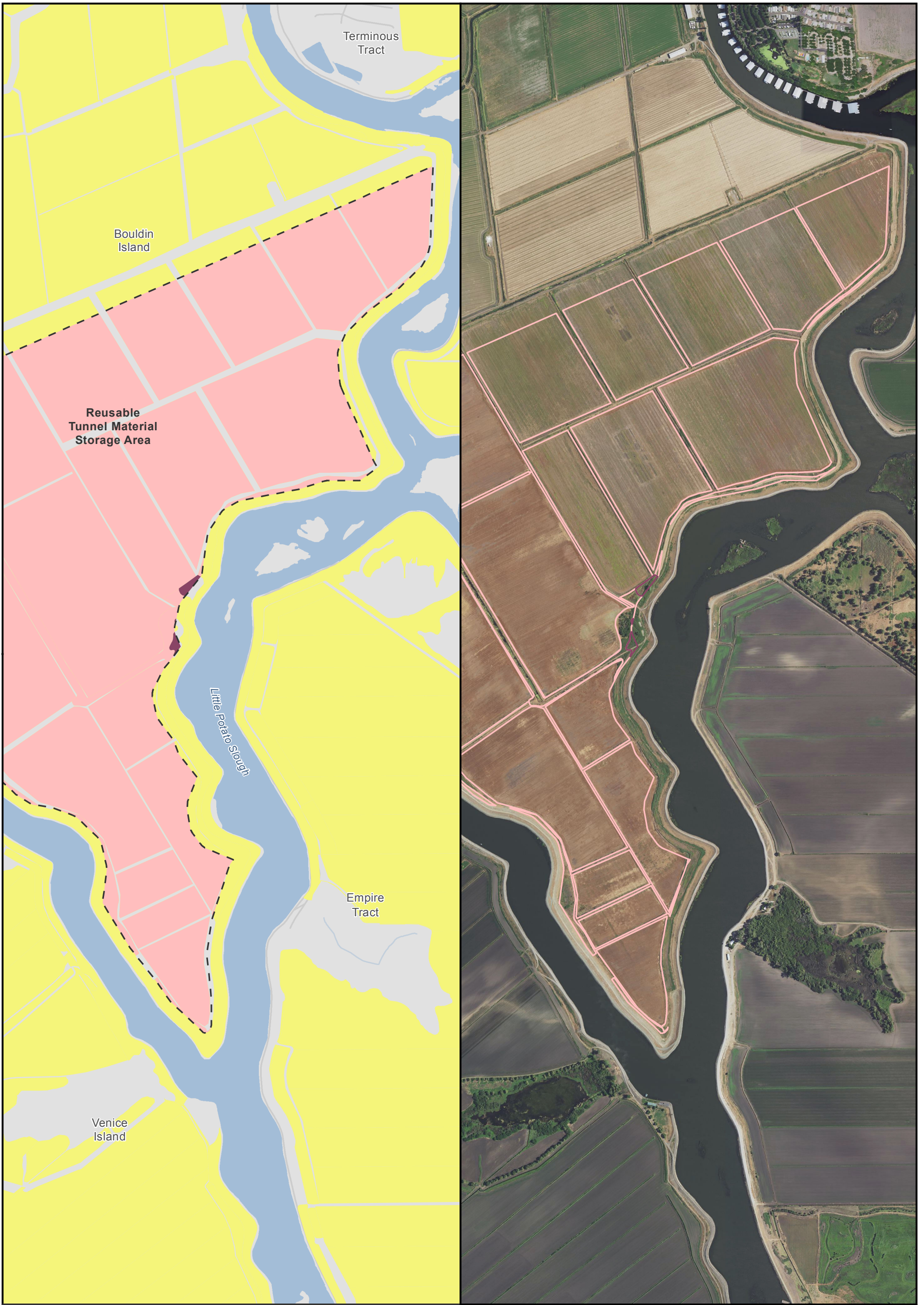
\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-21**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

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- City
  - Major roads
  - State and Interstate Highways
  - Delta Island
- Modeled Habitat**
- Non-breeding Foraging Habitat
  - Breeding Foraging Habitat
  - Impacted Breeding Foraging Habitat
  - Nesting Habitat
  - Impacted Nesting Habitat
  - Impacted Roosting
- Project Area**
- Permanent Transmission Lines
  - Temporary Transmission Lines



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

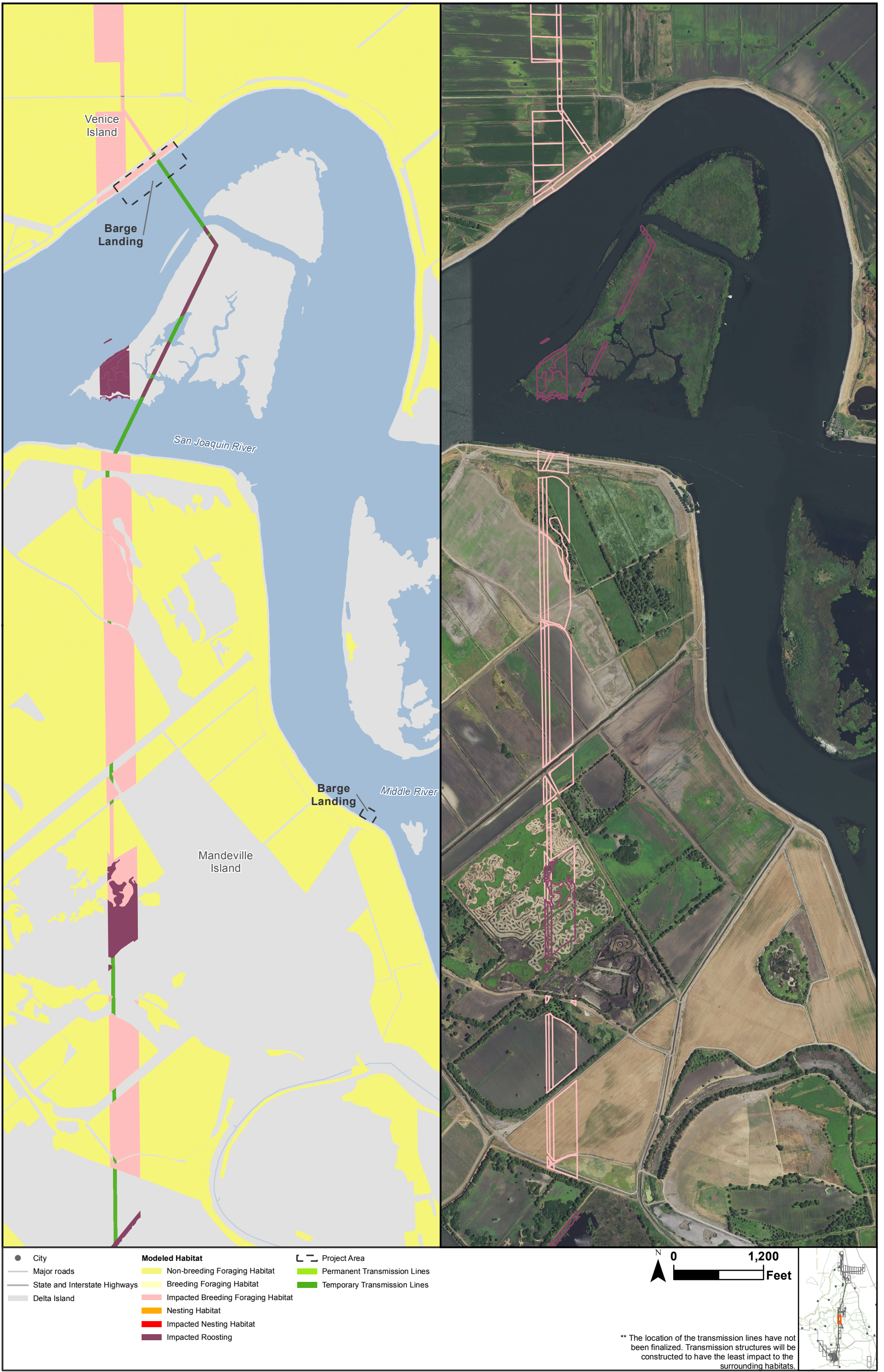


Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-22**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-23**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

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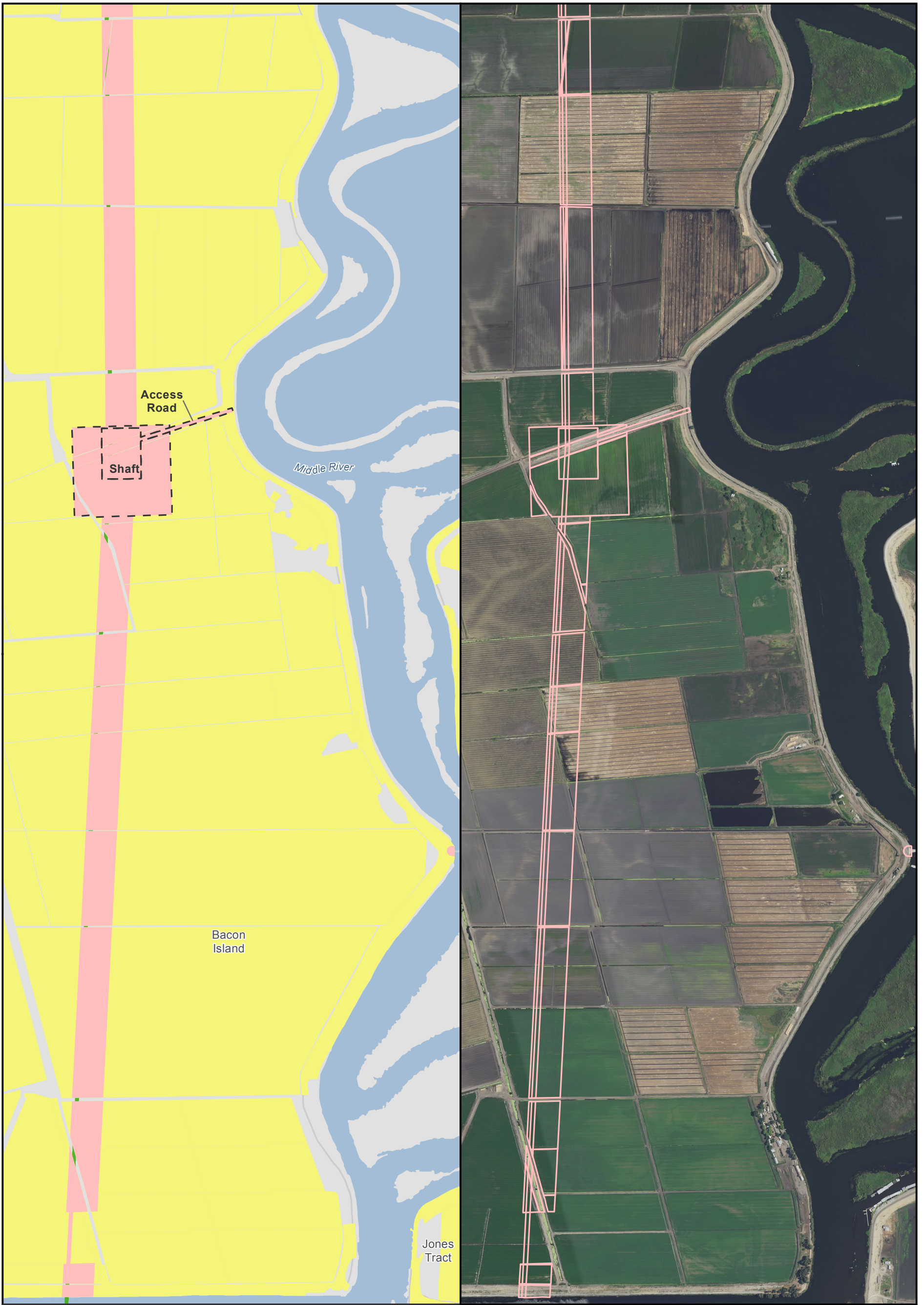


Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

**Figure 4.8-24**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**



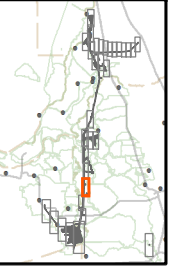
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- City
  - Major roads
  - State and Interstate Highways
  - Delta Island
- Modeled Habitat**
- Non-breeding Foraging Habitat
  - Breeding Foraging Habitat
  - Impacted Breeding Foraging Habitat
  - Nesting Habitat
  - Impacted Nesting Habitat
  - Impacted Roosting
- Project Area
- Permanent Transmission Lines
  - Temporary Transmission Lines



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.



Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-25**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

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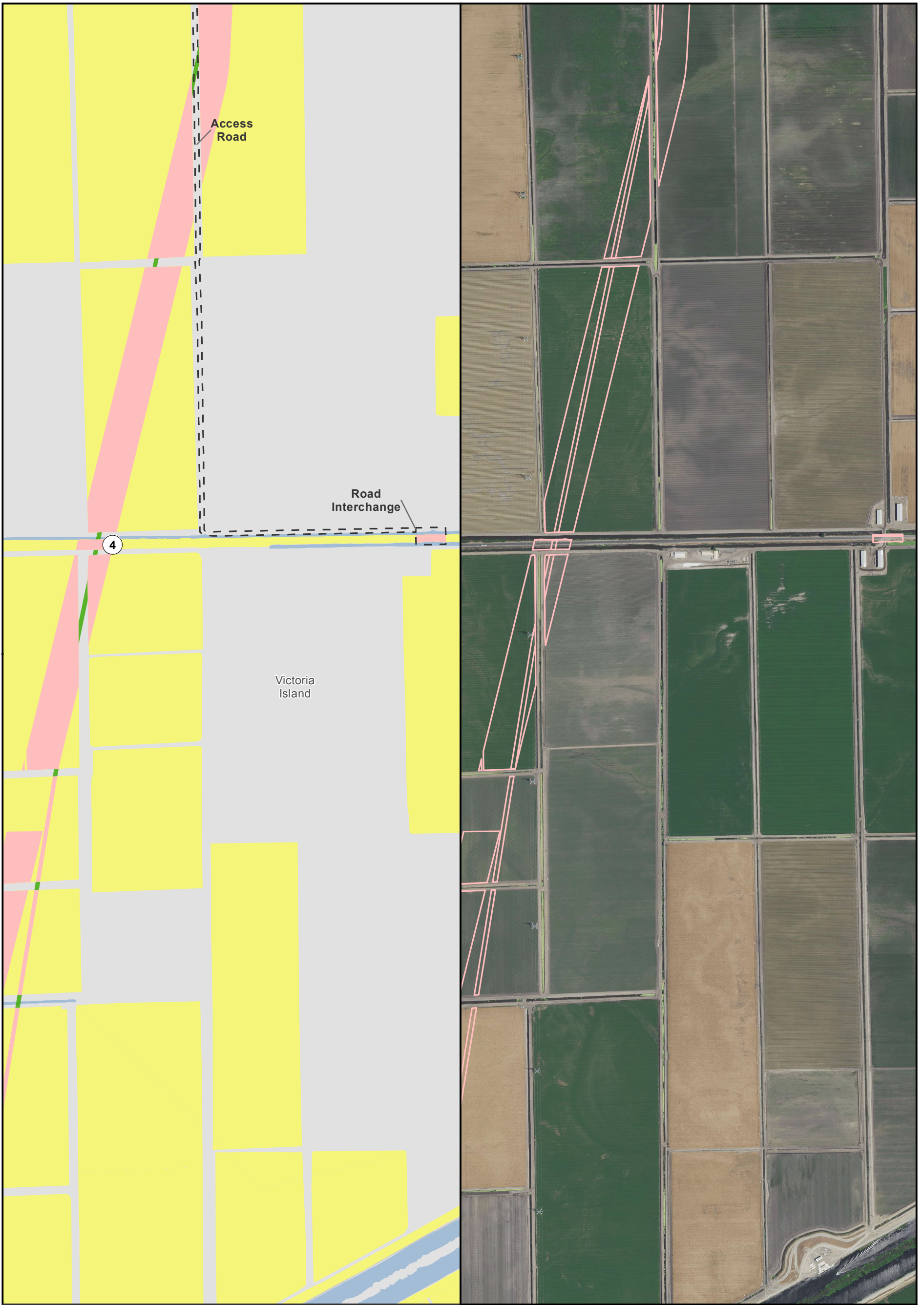


Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

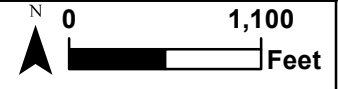


**Figure 4.8-26**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

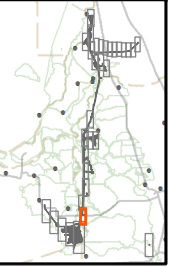
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- City
  - Major roads
  - State and Interstate Highways
  - Delta Island
- Modeled Habitat**
- Non-breeding Foraging Habitat
  - Breeding Foraging Habitat
  - Impacted Breeding Foraging Habitat
  - Nesting Habitat
  - Impacted Nesting Habitat
  - Impacted Roosting
- Project Area**
- Permanent Transmission Lines
  - Temporary Transmission Lines



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.



Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-27**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**



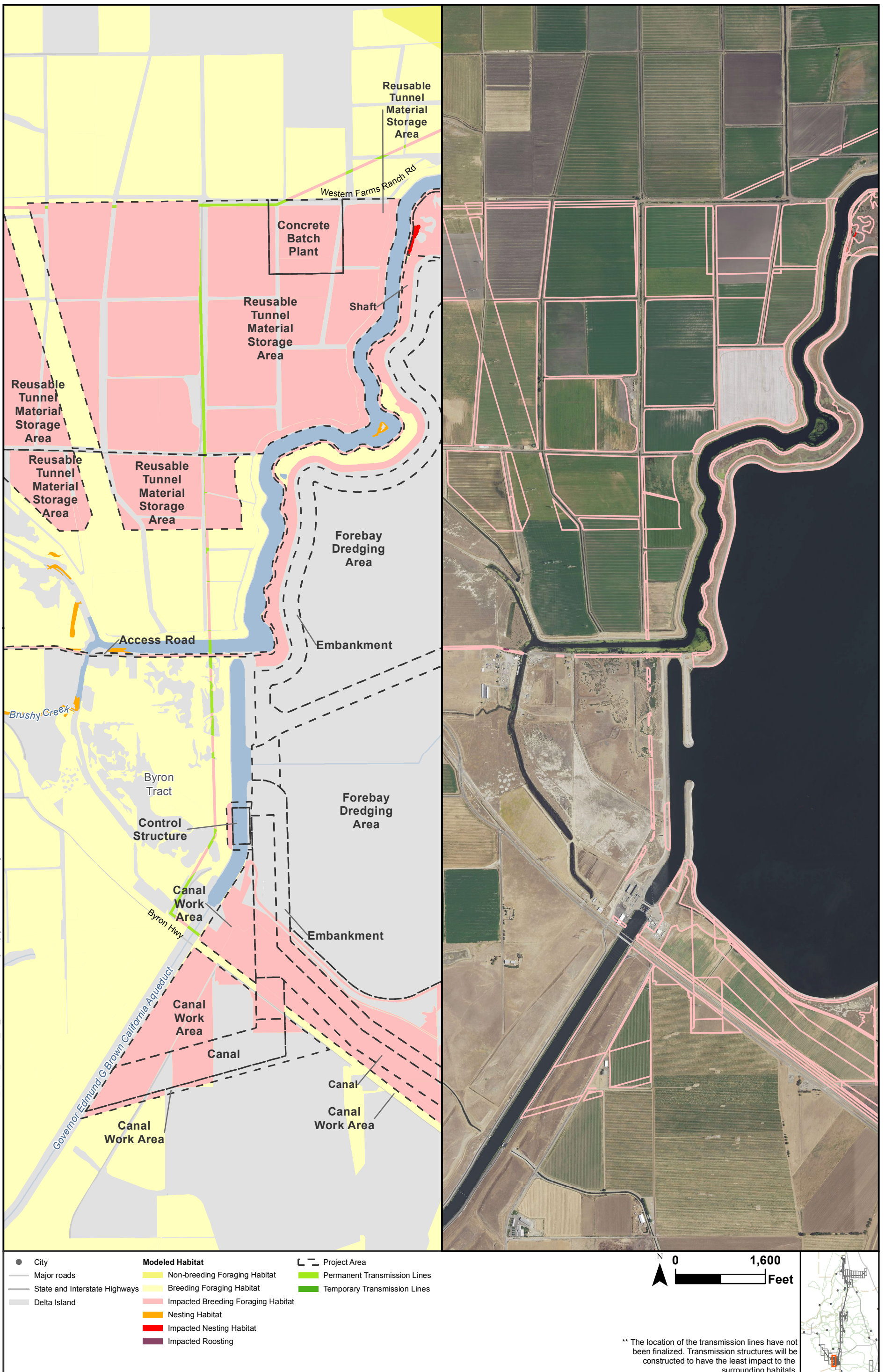
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



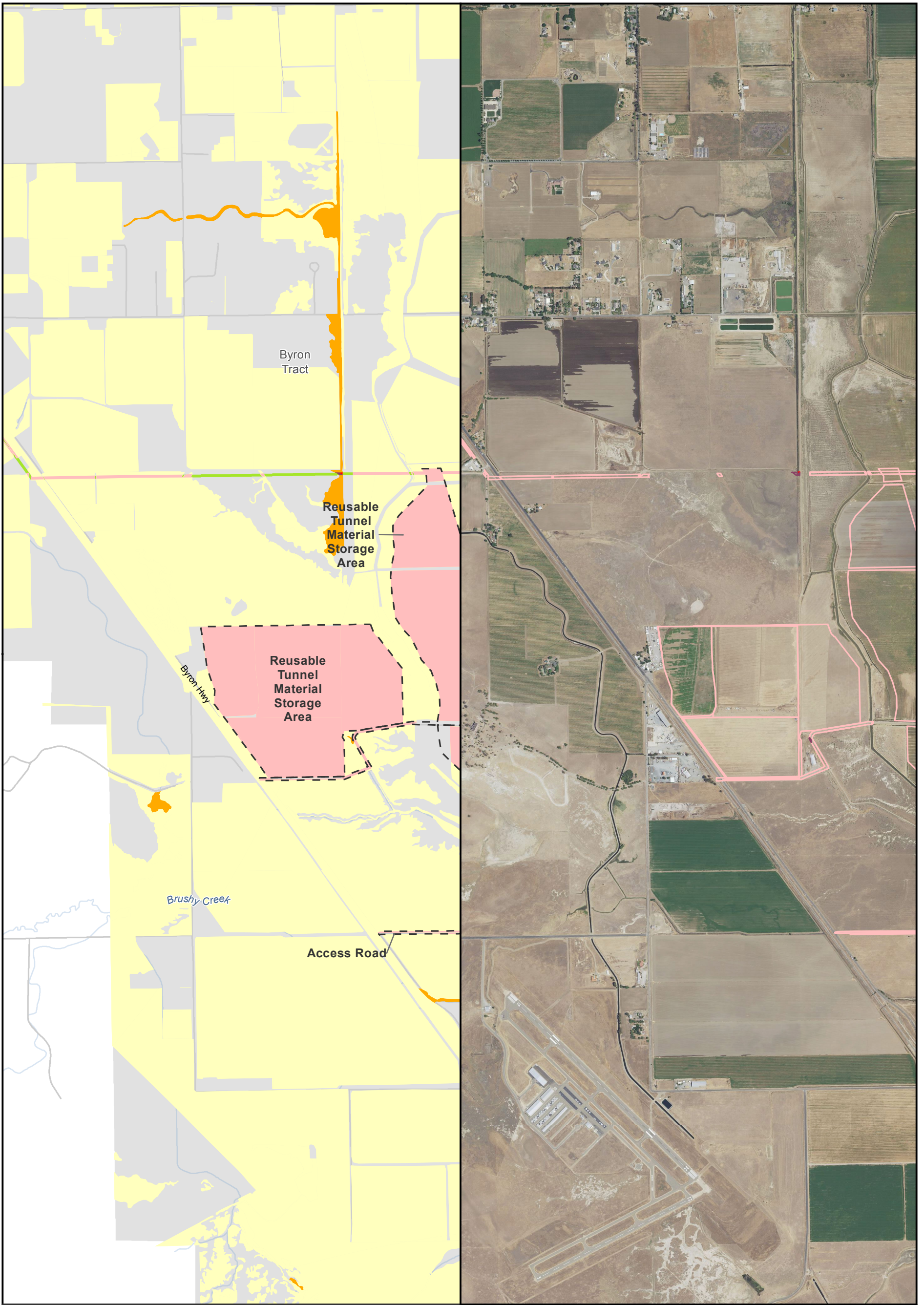
**Figure 4.8-28**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project

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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

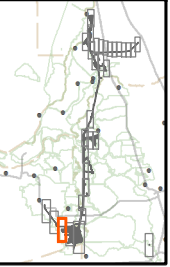
**Figure 4.8-29**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**



- |                                 |                                      |                                |
|---------------------------------|--------------------------------------|--------------------------------|
| ● City                          | <b>Modeled Habitat</b>               | ┌─┐ Project Area               |
| — Major roads                   | ■ Non-breeding Foraging Habitat      | ■ Permanent Transmission Lines |
| — State and Interstate Highways | ■ Breeding Foraging Habitat          | ■ Temporary Transmission Lines |
| ■ Delta Island                  | ■ Impacted Breeding Foraging Habitat |                                |
|                                 | ■ Nesting Habitat                    |                                |
|                                 | ■ Impacted Nesting Habitat           |                                |
|                                 | ■ Impacted Roosting                  |                                |

0 1,600 Feet

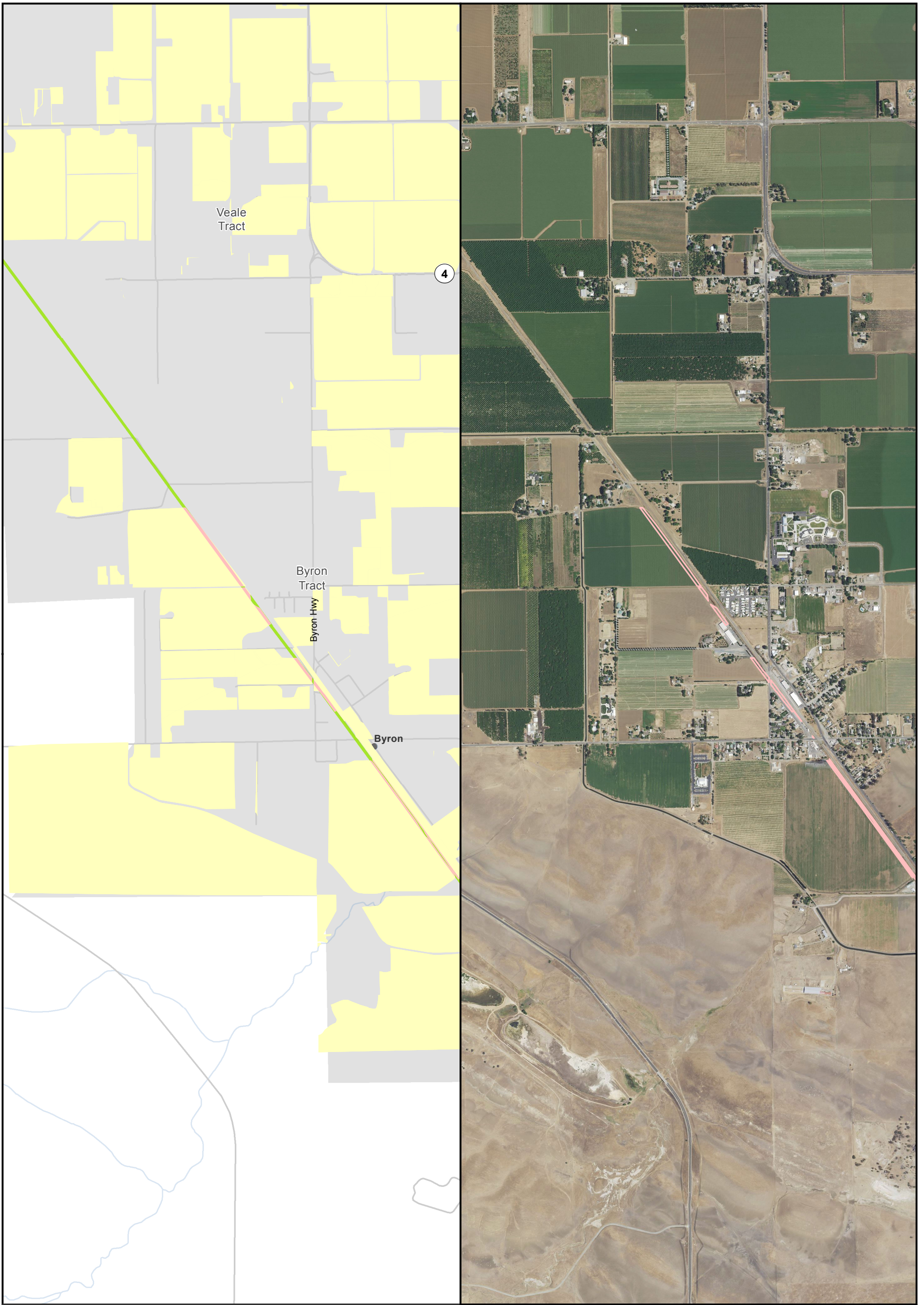
\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.



Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

**Figure 4.8-30**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**

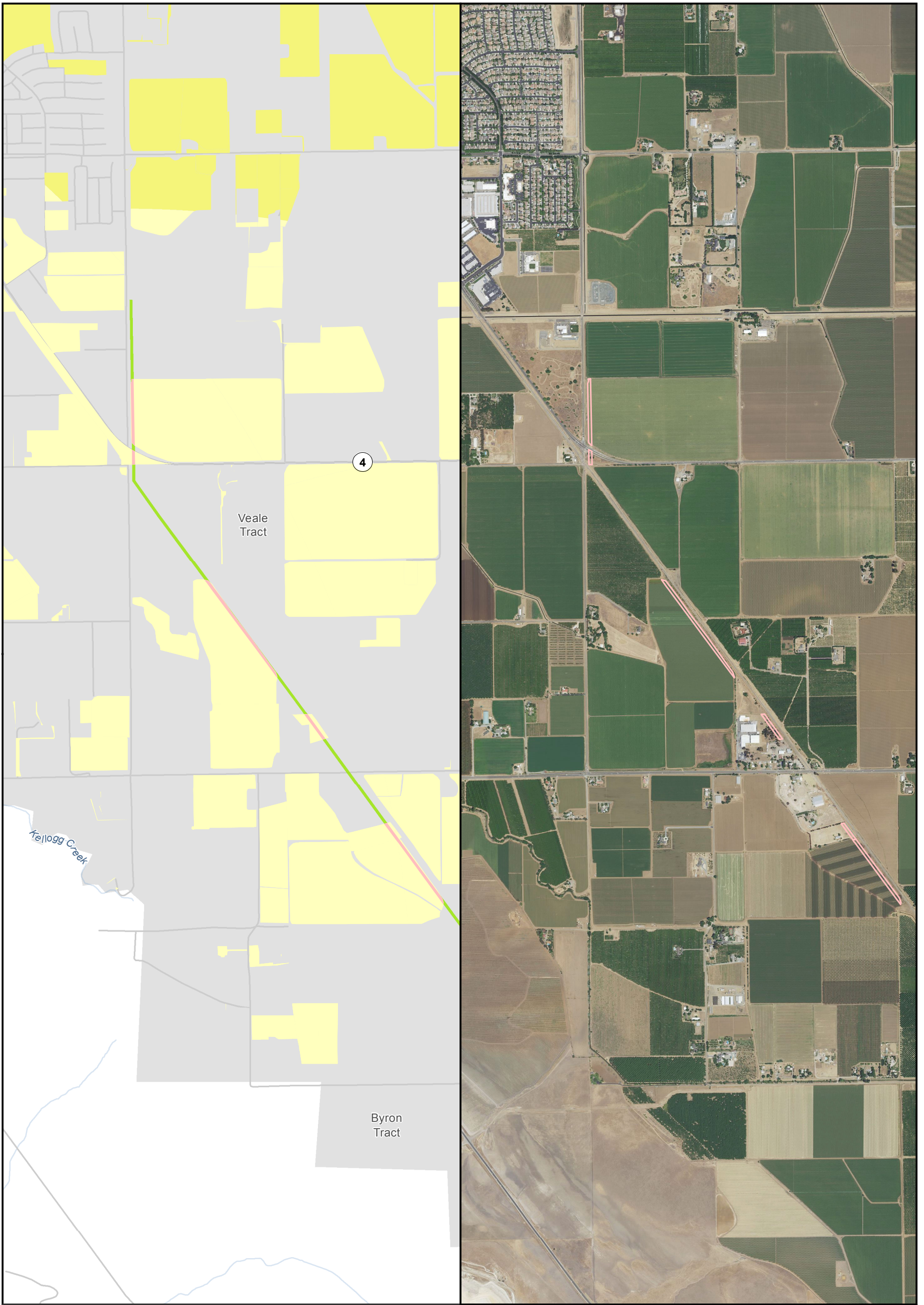
S:\Biological\Assess\_ESA\_Sec7\_Permittin\ENV126\_15\_SpeciesDistribution\_2pane\_201601\_10\_2.mxd 2016504 [clsb] [Doc No: GIS-00204]



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

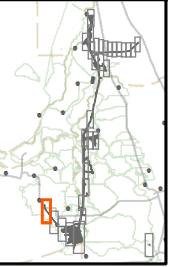
**Figure 4.8-31**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**



● City	<b>Modeled Habitat</b>	▭ Project Area
— Major roads	■ Non-breeding Foraging Habitat	▭ Permanent Transmission Lines
— State and Interstate Highways	■ Breeding Foraging Habitat	▭ Temporary Transmission Lines
— Delta Island	■ Impacted Breeding Foraging Habitat	
	■ Nesting Habitat	
	■ Impacted Nesting Habitat	
	■ Impacted Roosting	



\*\* The location of the transmission lines have not been finalized. Transmission structures will be constructed to have the least impact to the surrounding habitats.

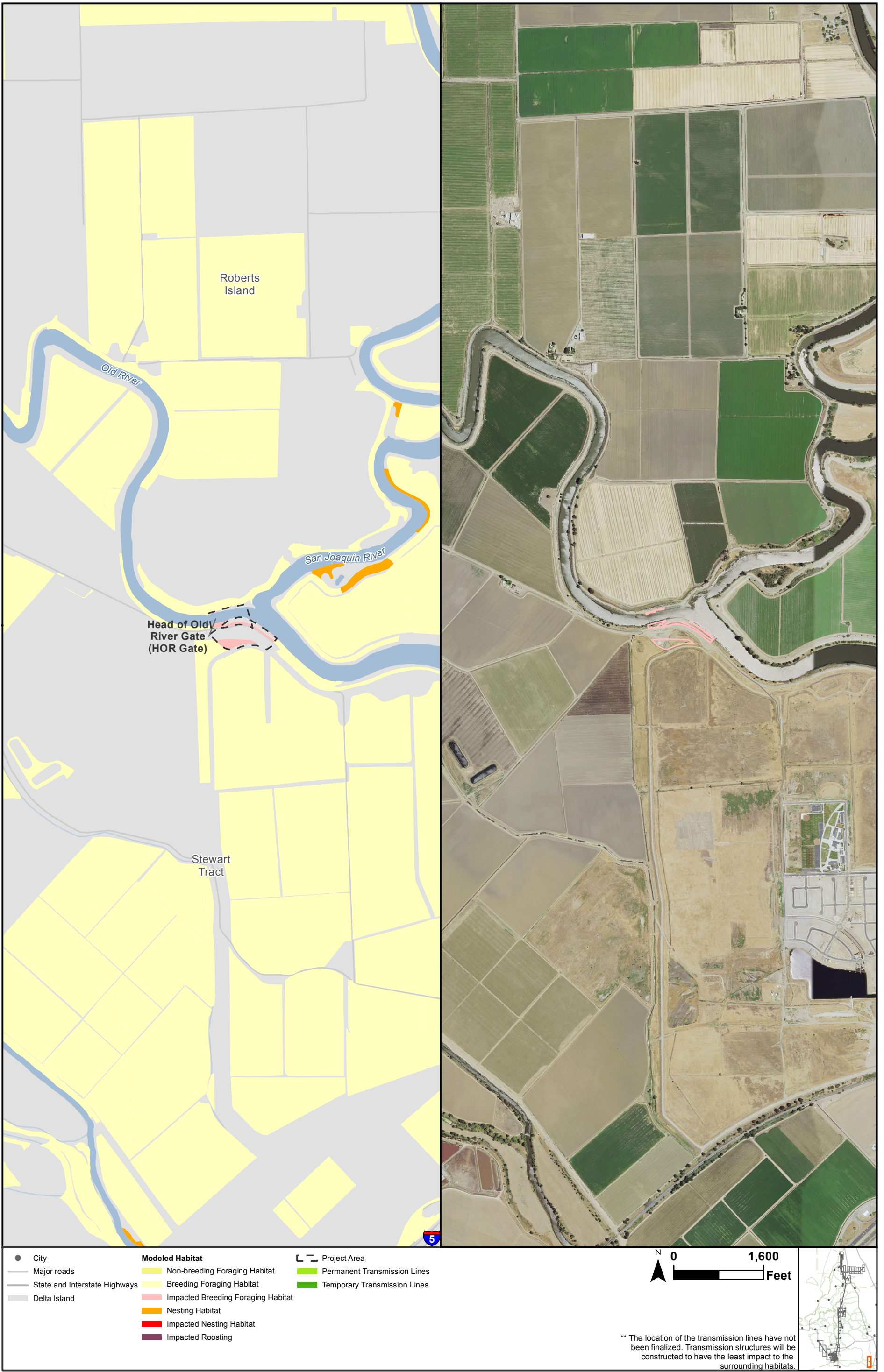


Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014

**Figure 4.8-32**  
Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project



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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurrences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



**Figure 4.8-33**  
**Impacts to Tricolored Blackbird Modeled Habitat from the Proposed Project**