

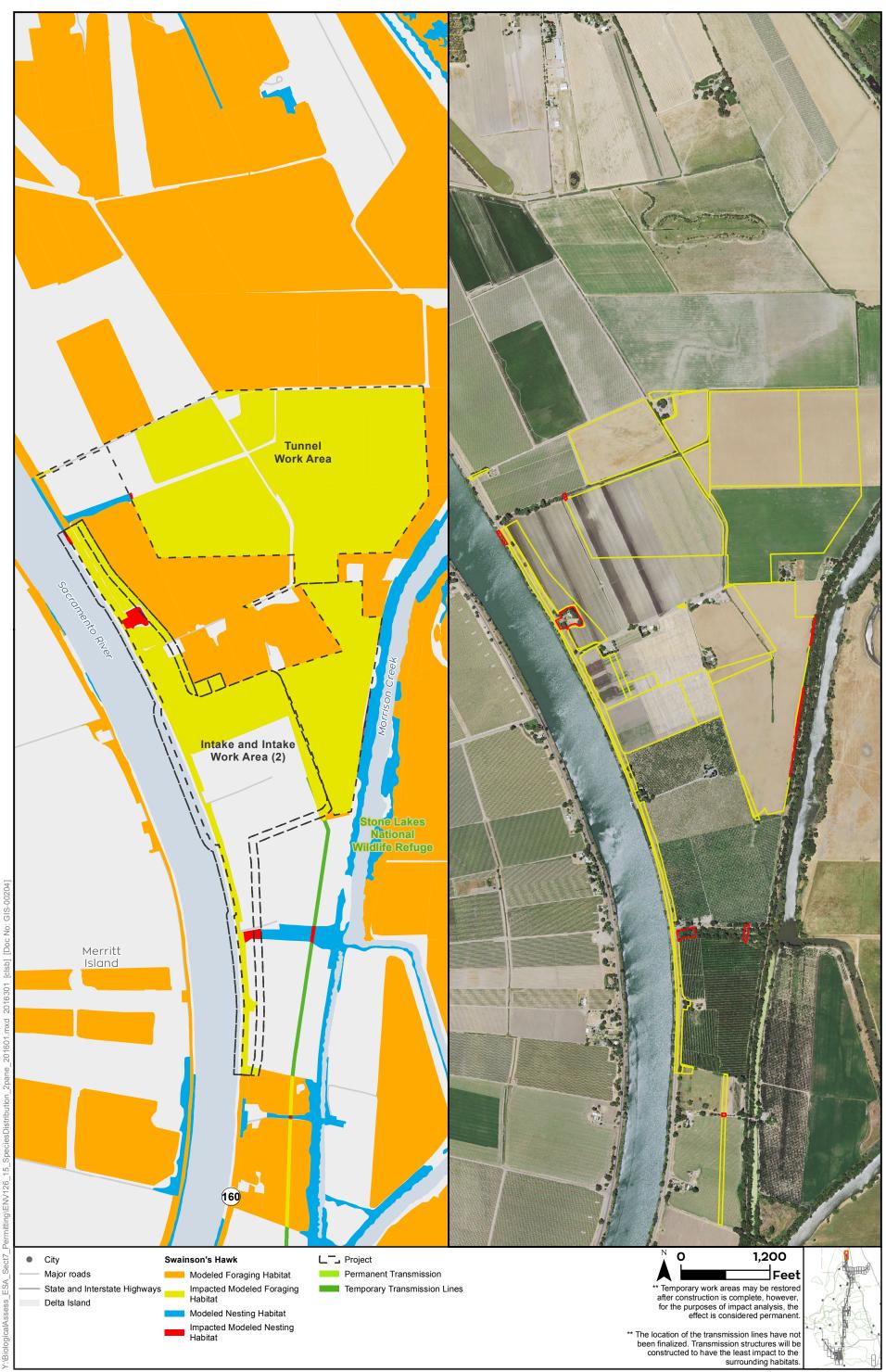
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; Critical Habitat, USFWS 2012



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Modified Pipeline Tunnel/Clifton Court Forebay Option Overview Page 4.7-1 of 4.7-38







Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Intake 2 Figure 4.7-2 of 4.7-38

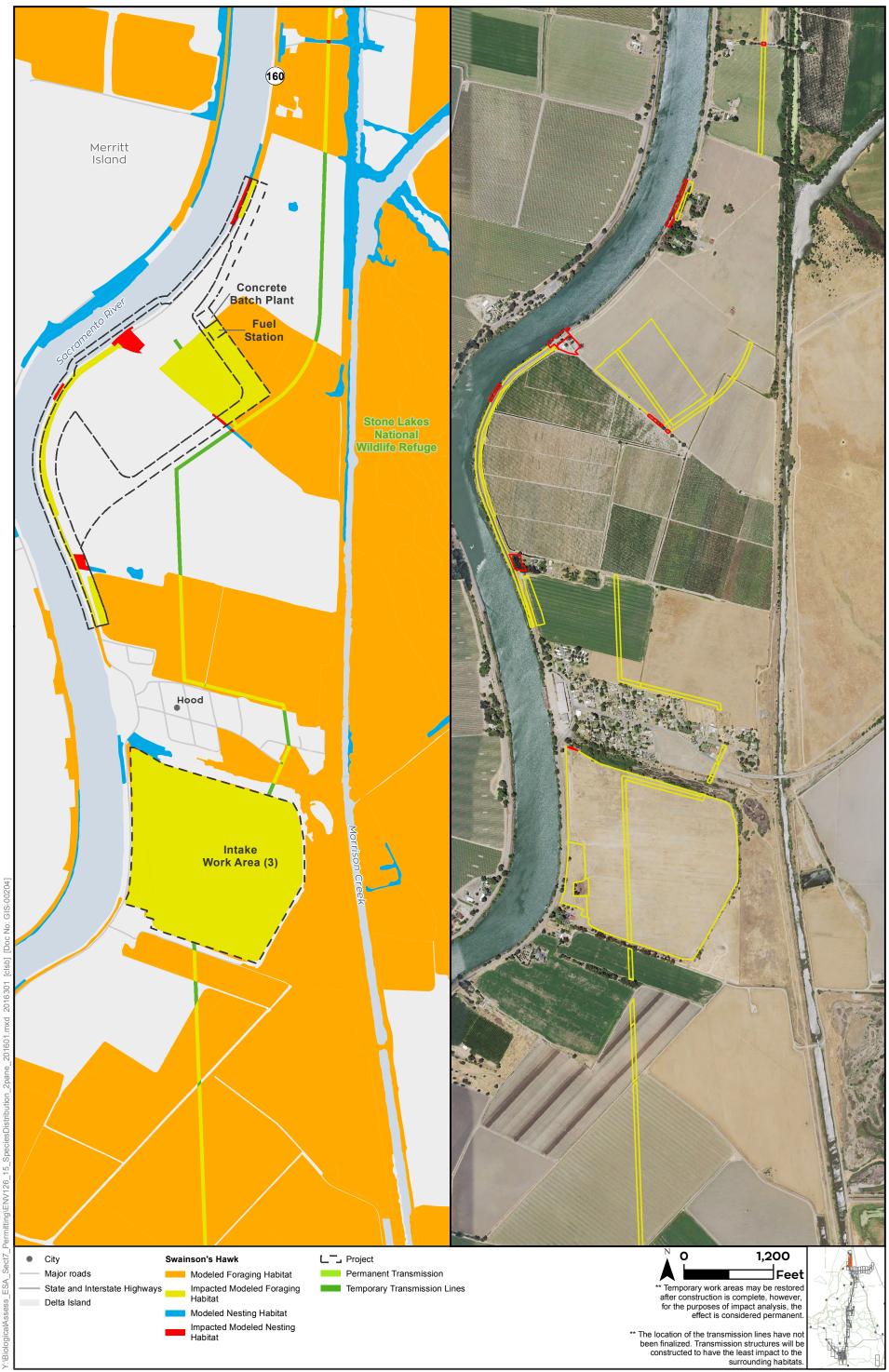


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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Intake 3 Figure 4.7-3 of 4.7-38





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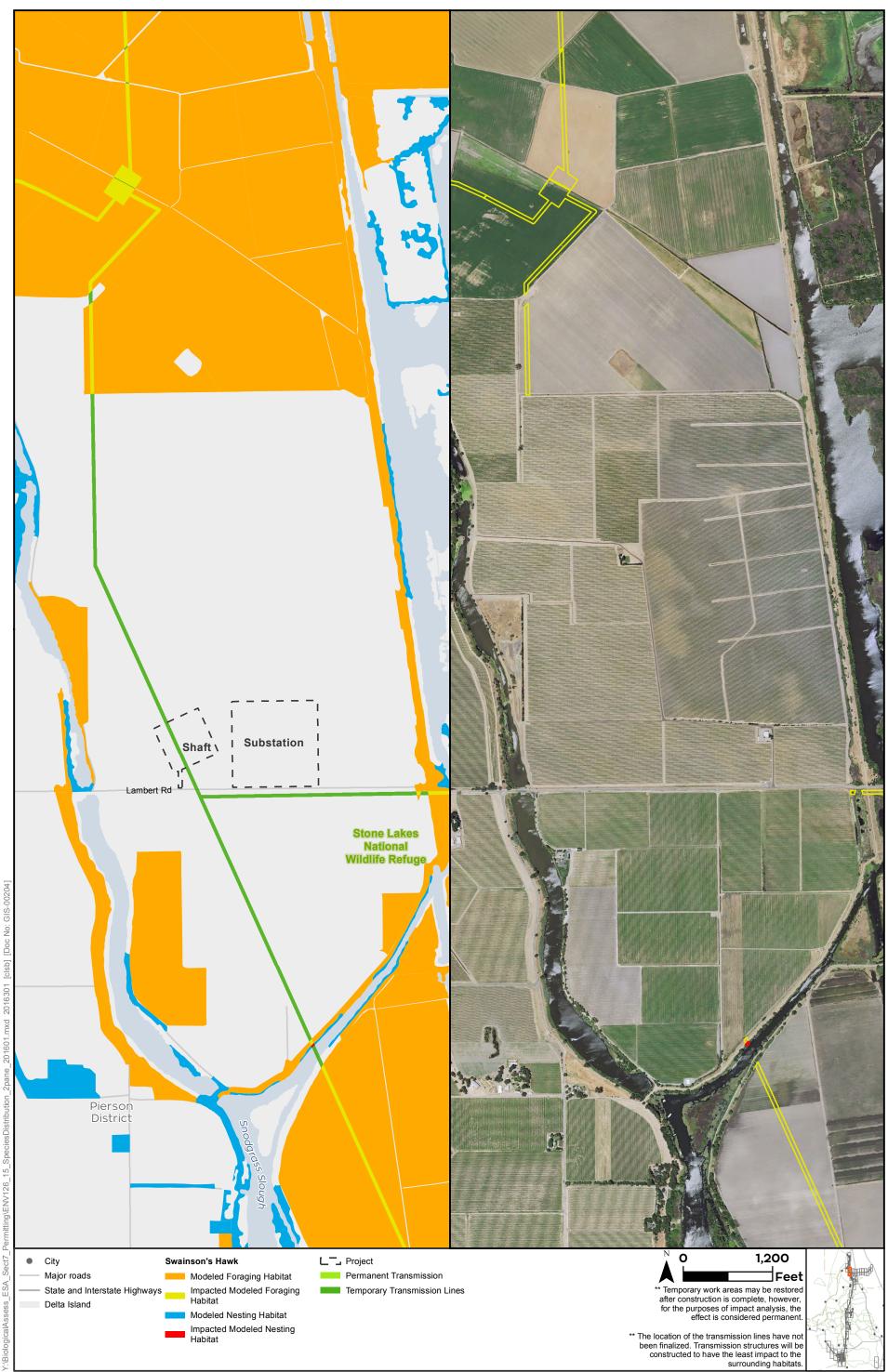
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Intake 5 Figure 4.7-4 of 4.7-38





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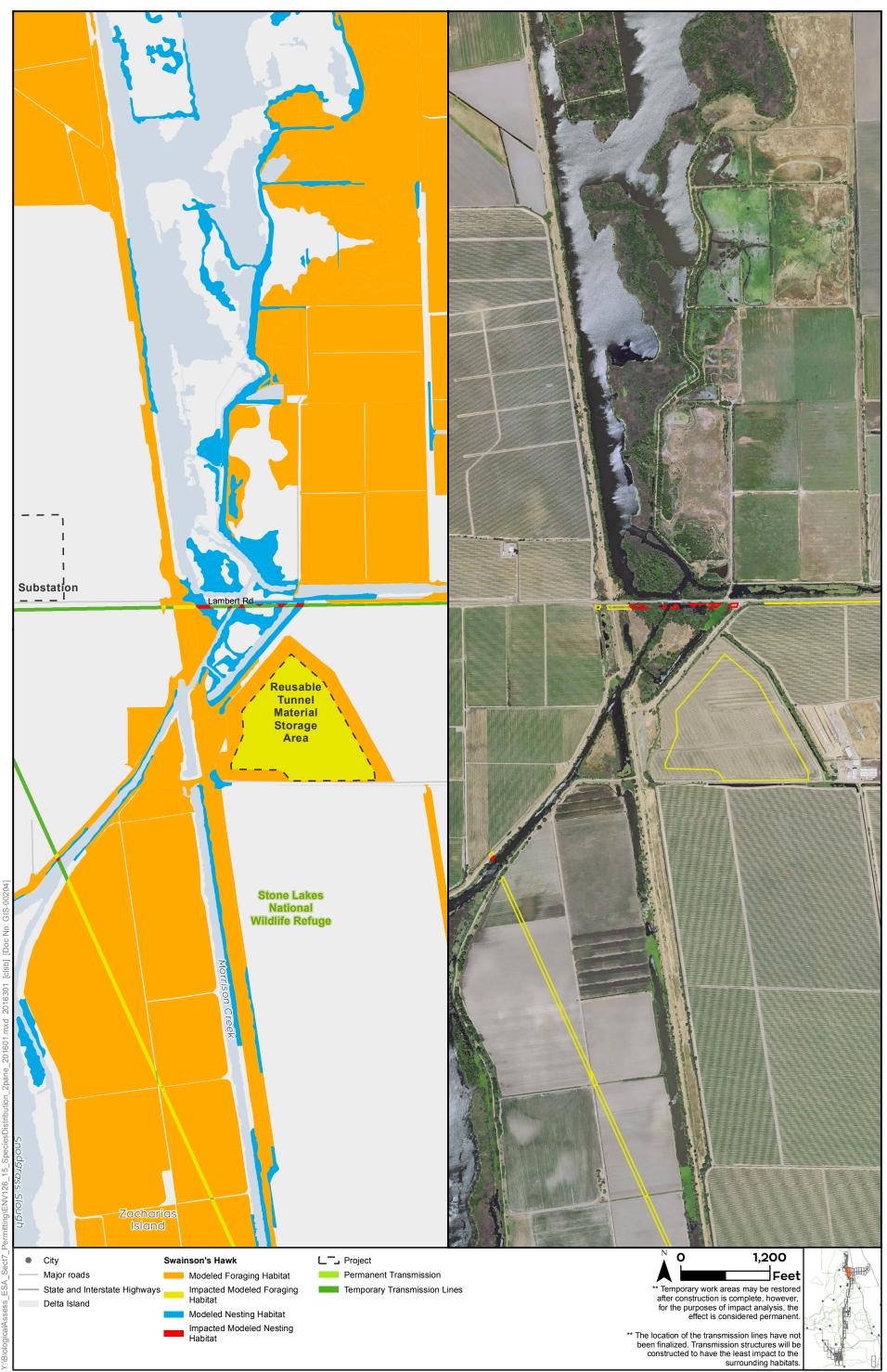
Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line - Electrical Substation**

Figure 4.7-5 of 4.7-38



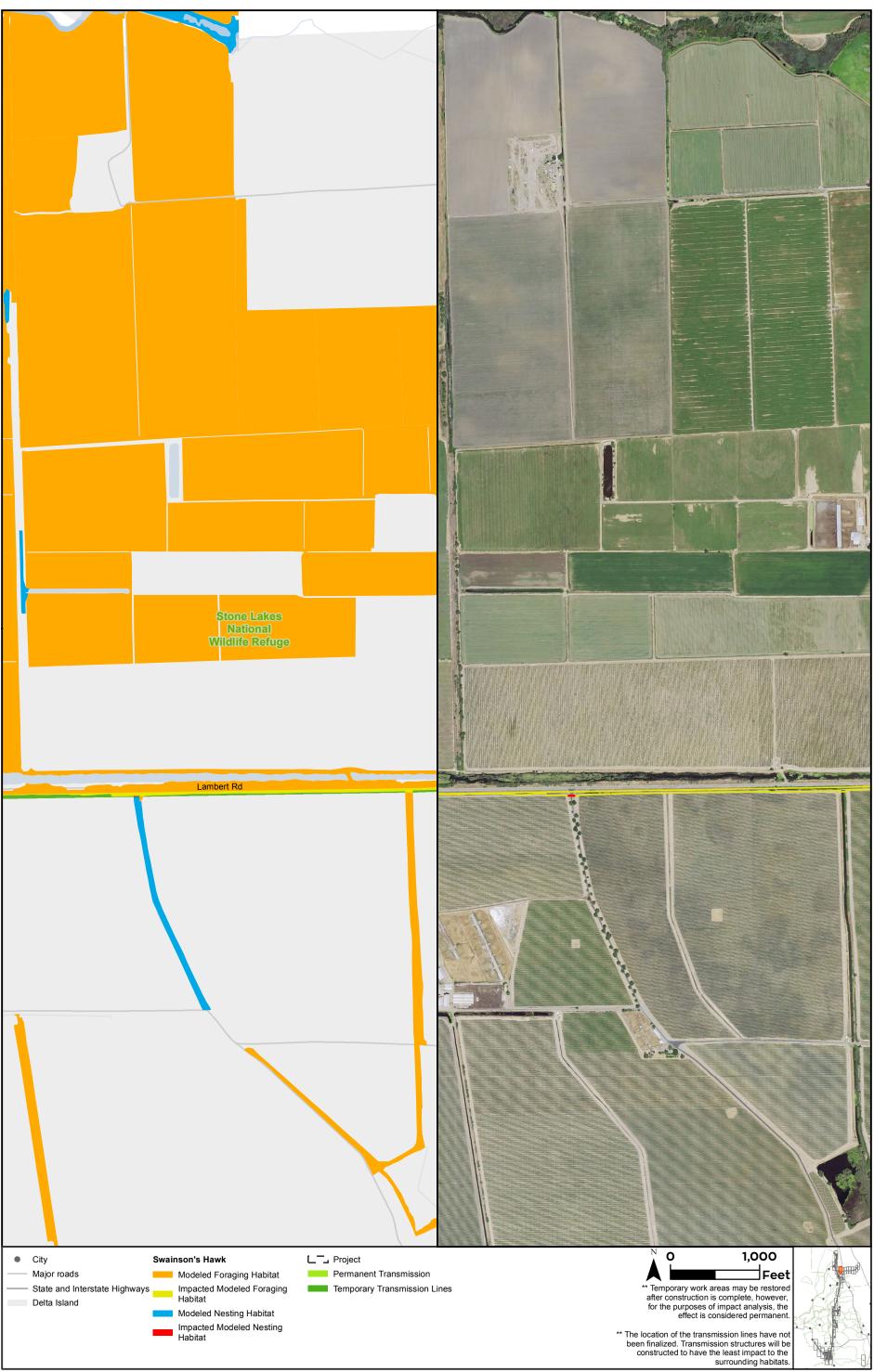




Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Transmission Line - Intermediate Forebay

Figure 4.7-6 of 4.7-38





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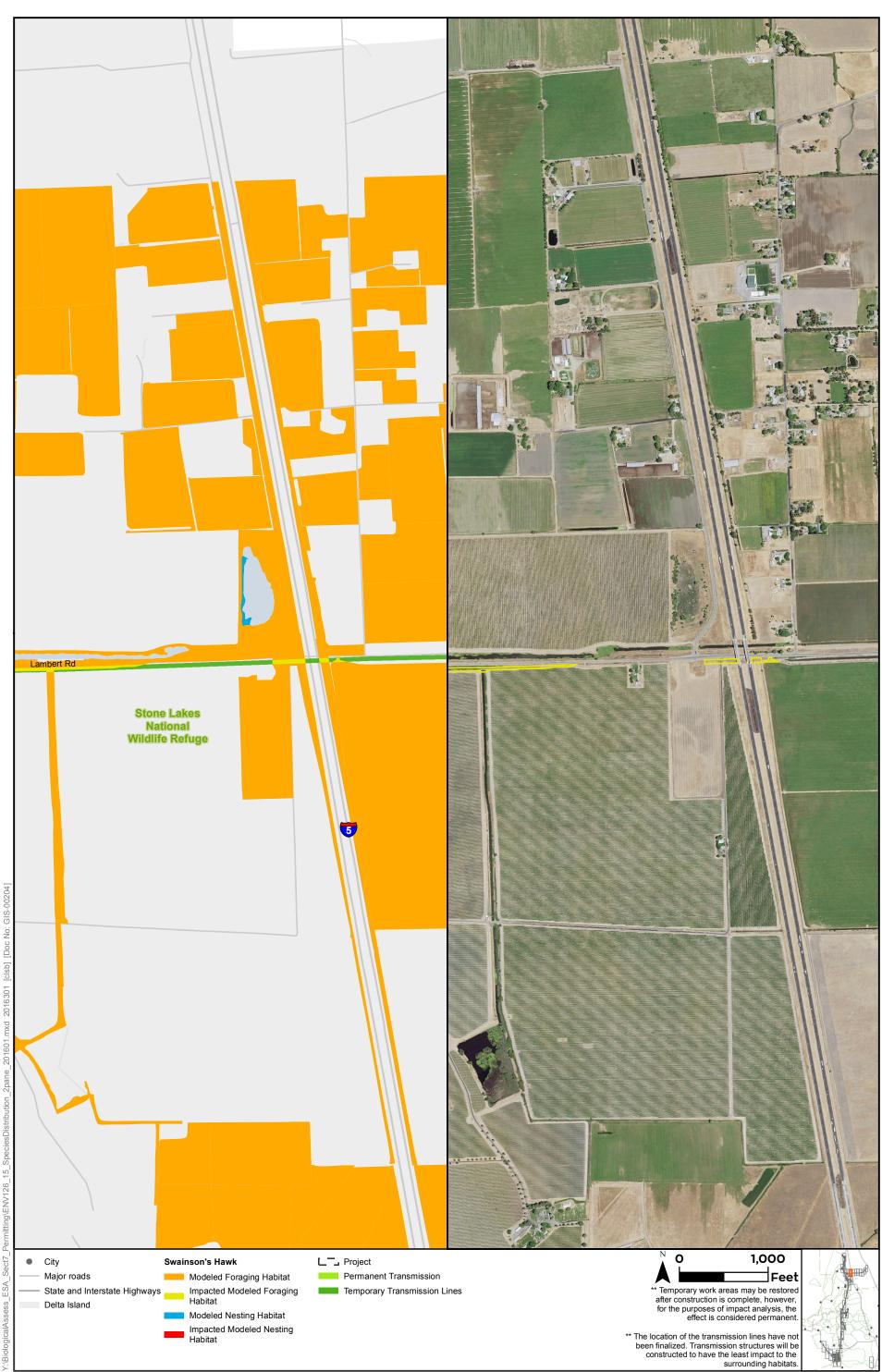
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013; ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Transmission Line - East leg Figure 4.7-7 of 4.7-38





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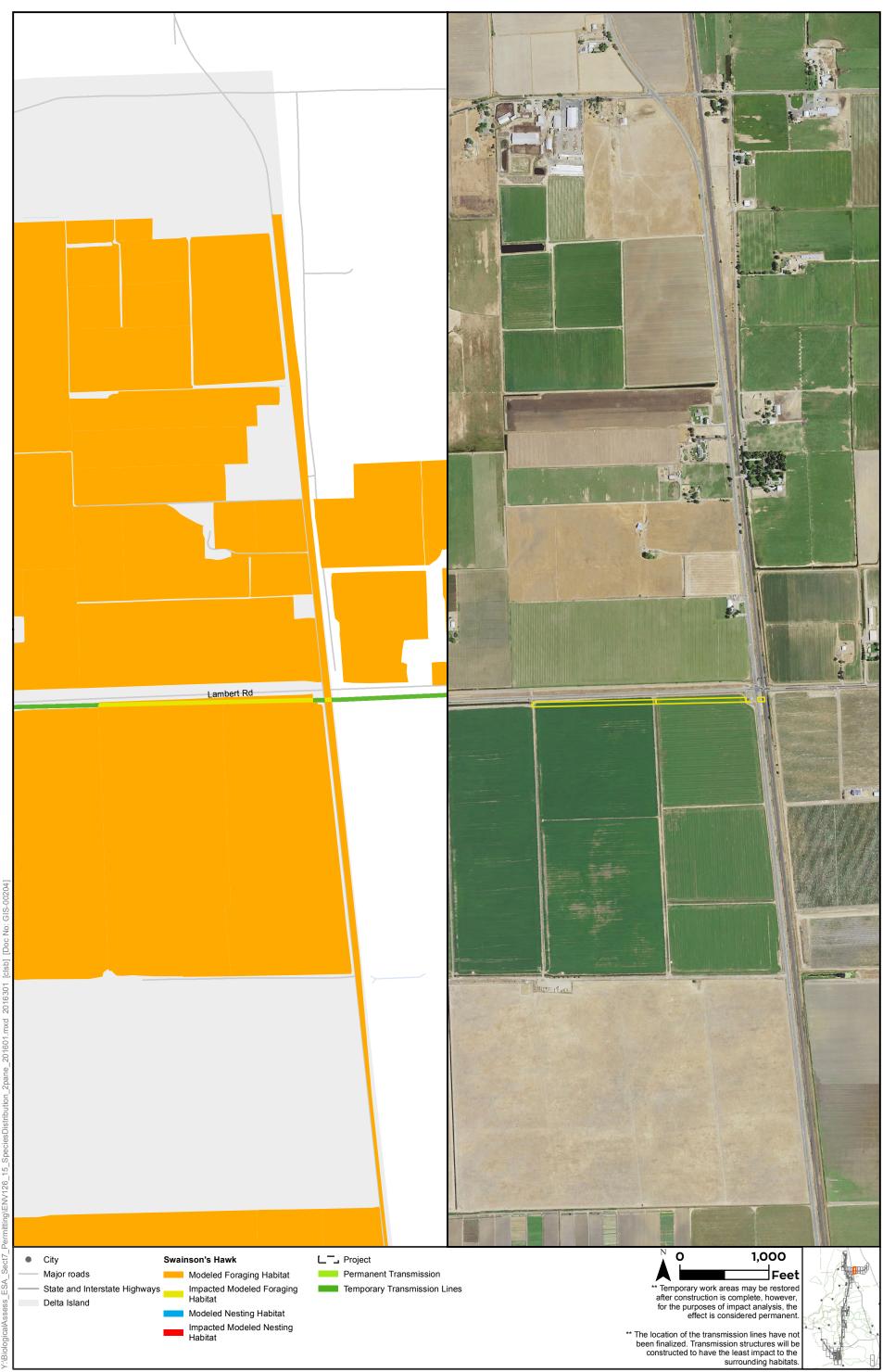
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line - East leg** Figure 4.7-8 of 4.7-38

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Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line - East leg** Figure 4.7-9 of 4.7-38

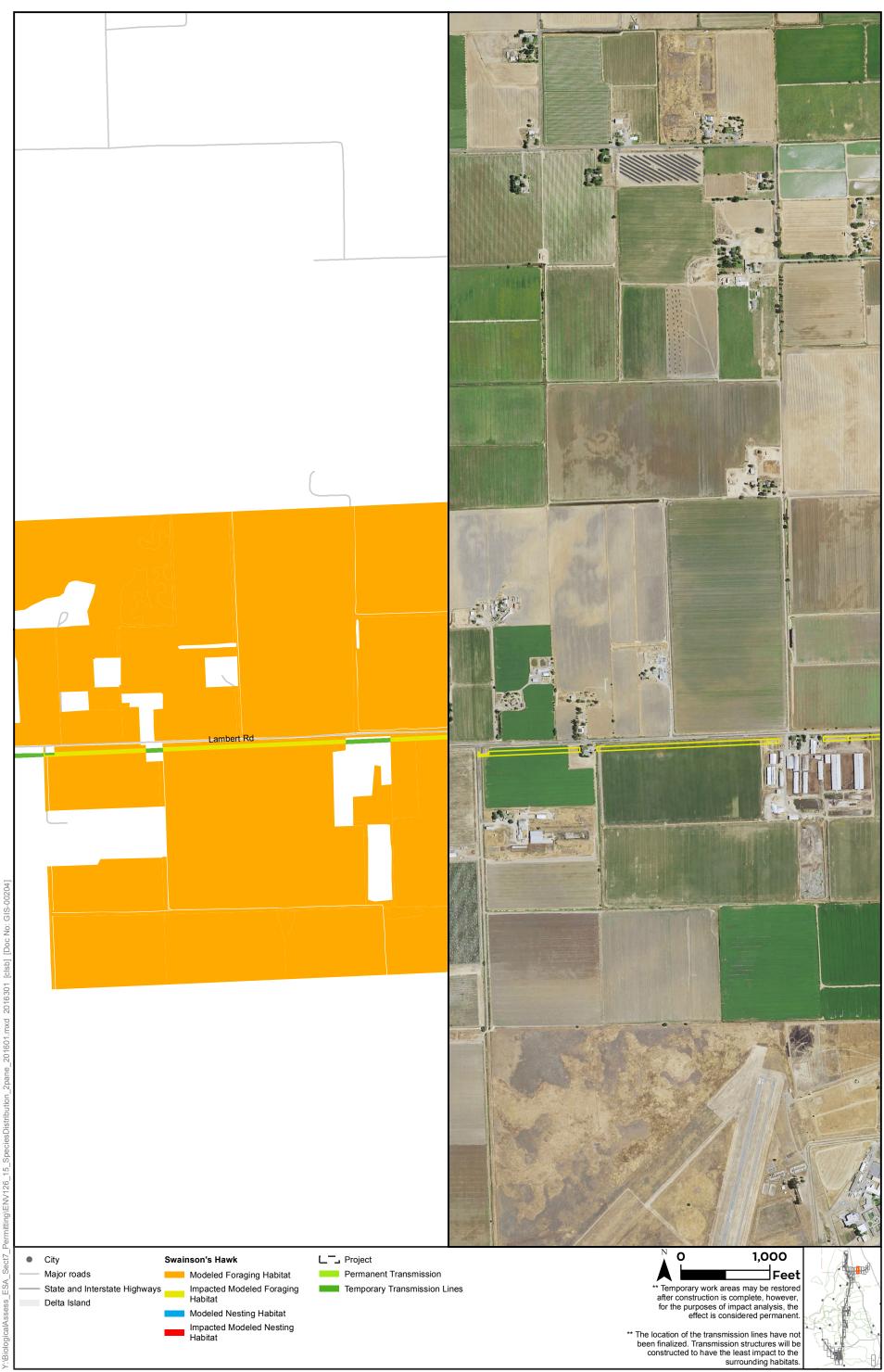


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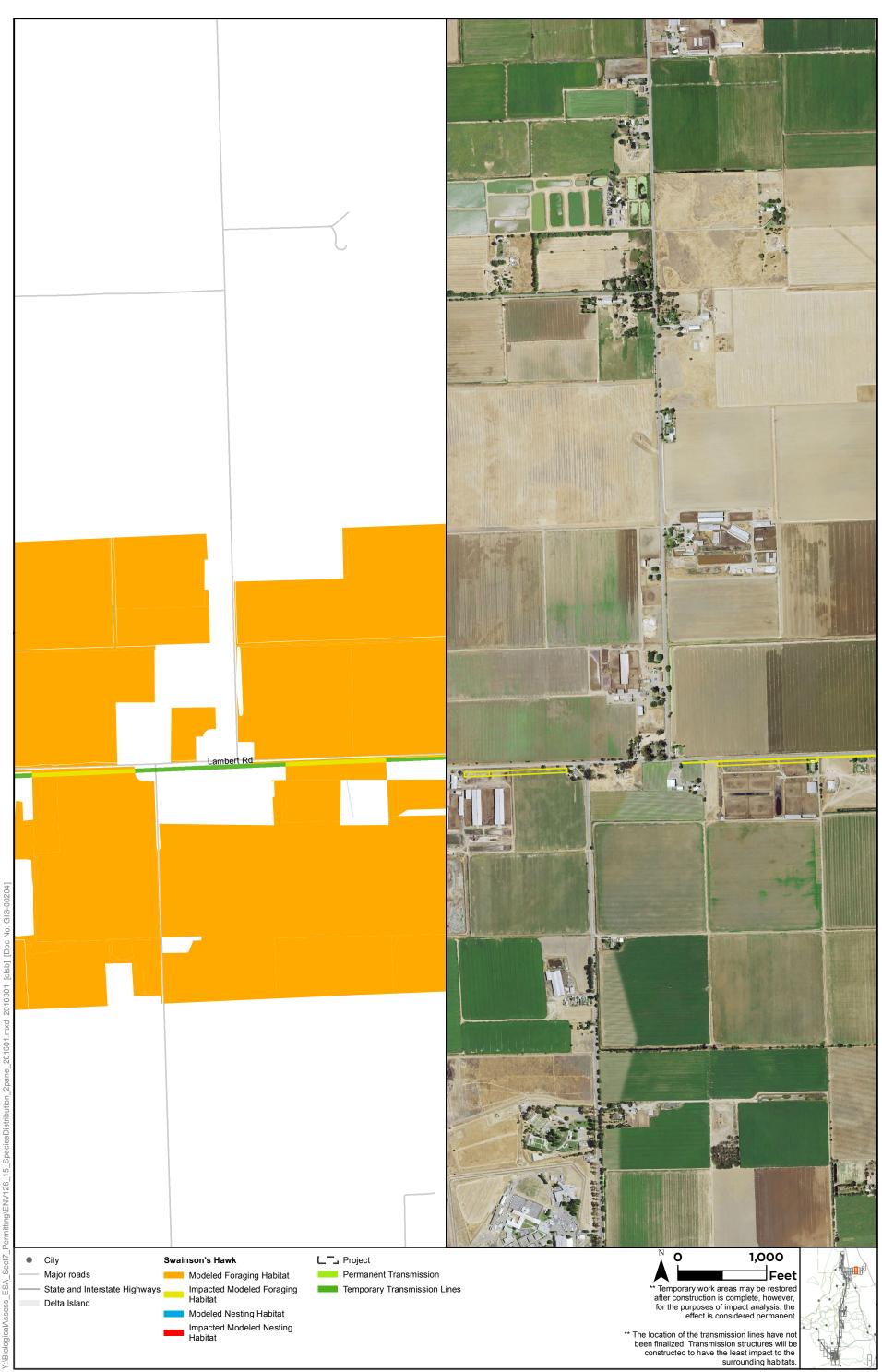
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Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Transmission Line - East leg Figure 4.7-10 of 4.7-38

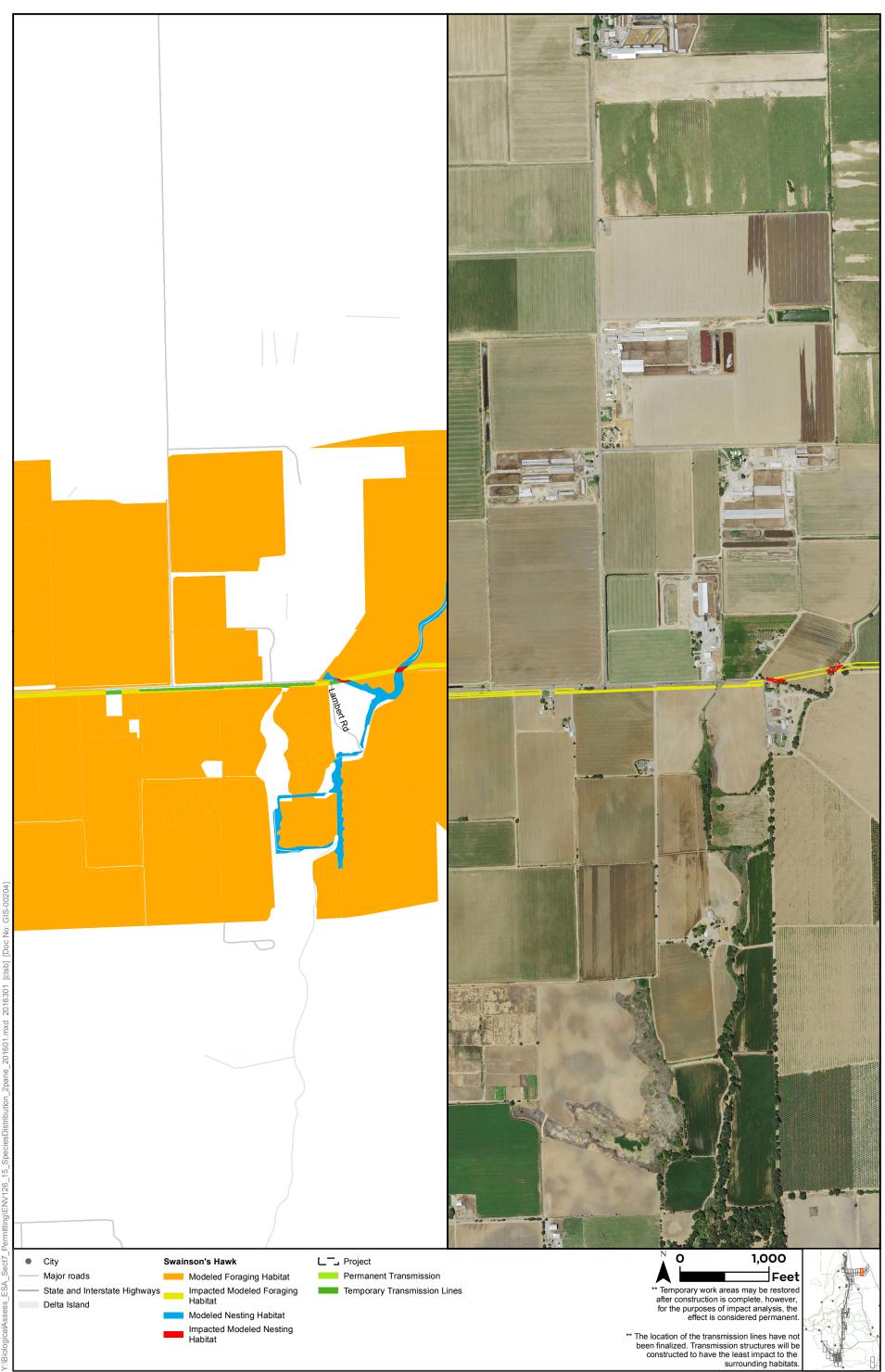
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Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Transmission Line - East leg Figure 4.7-11 of 4.7-38

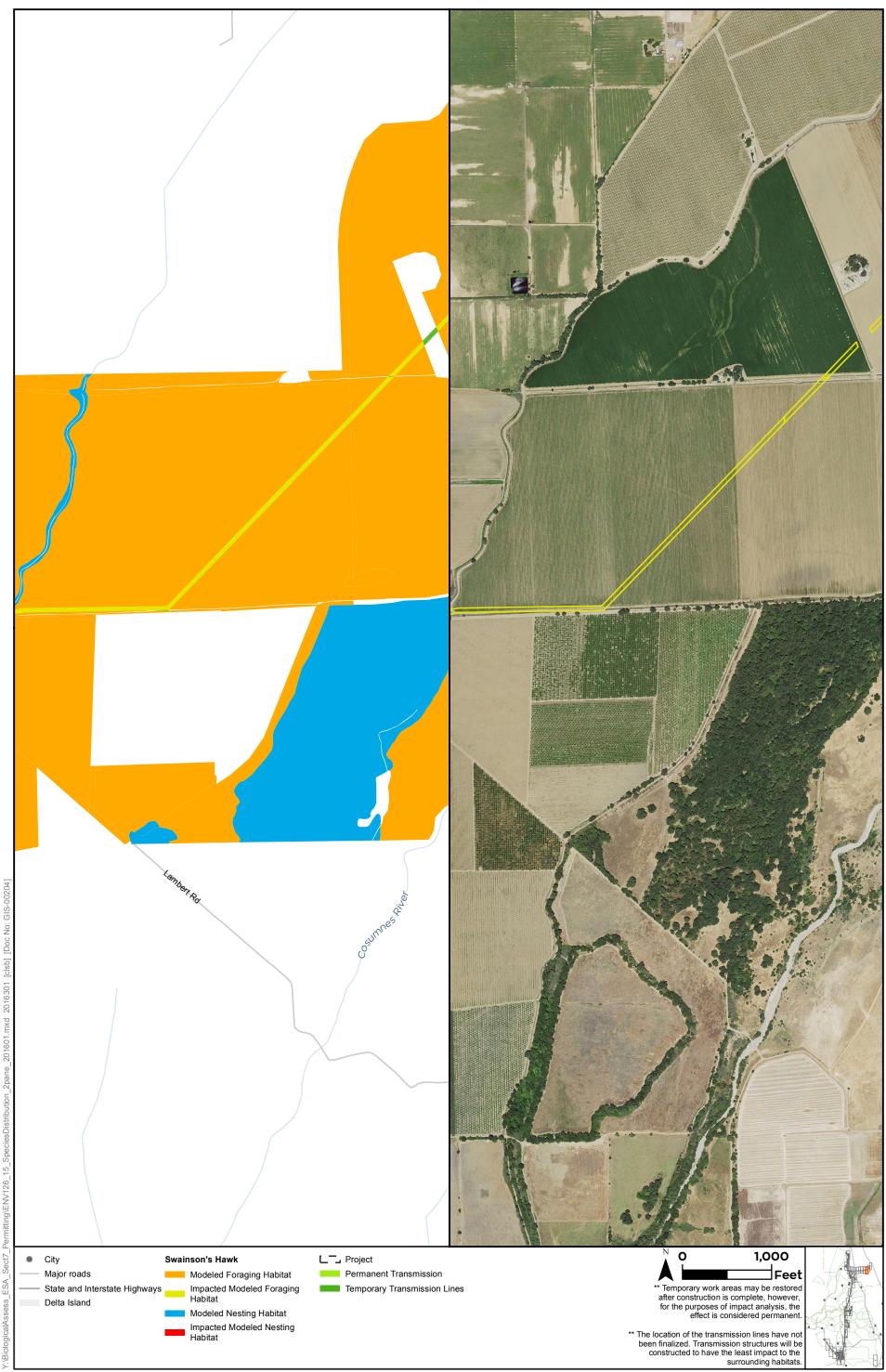






Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line - East leg** Figure 4.7-12 of 4.7-38

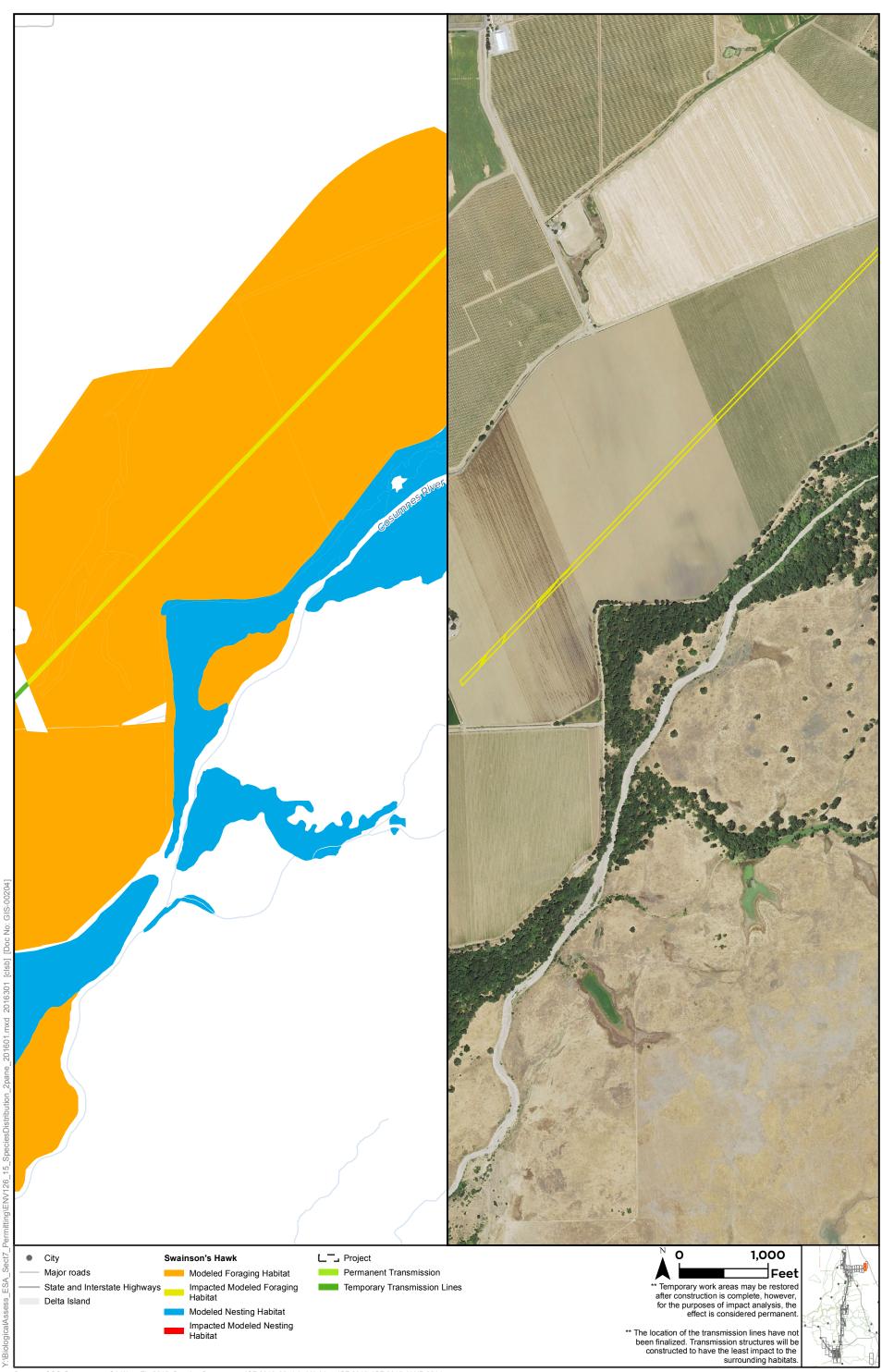






Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line - East leg** Figure 4.7-13 of 4.7-38

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Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line - East leg** Figure 4.7-14 of 4.7-38

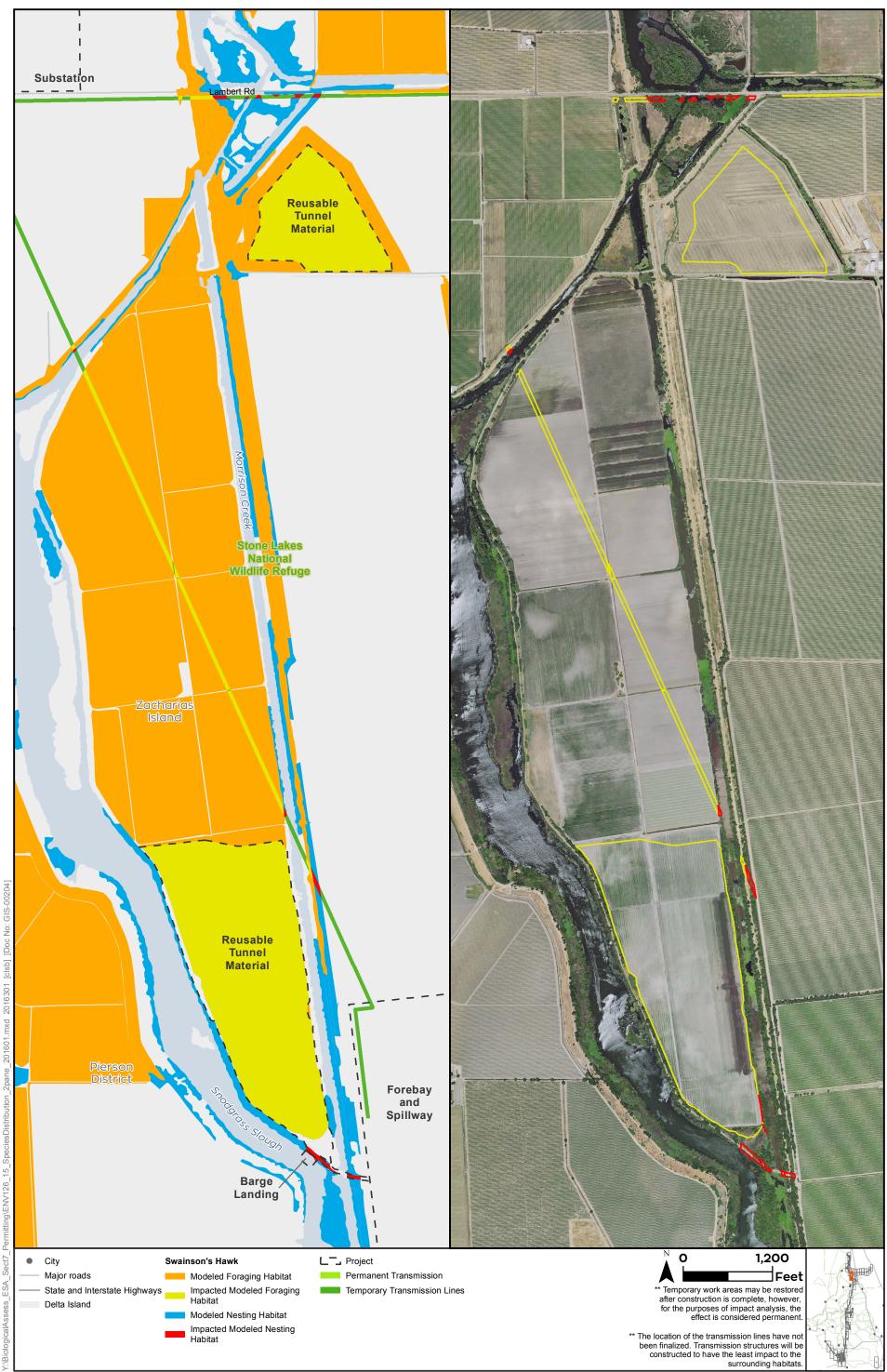
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Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Transmission Line - East leg Figure 4.7-15 of 4.7-38





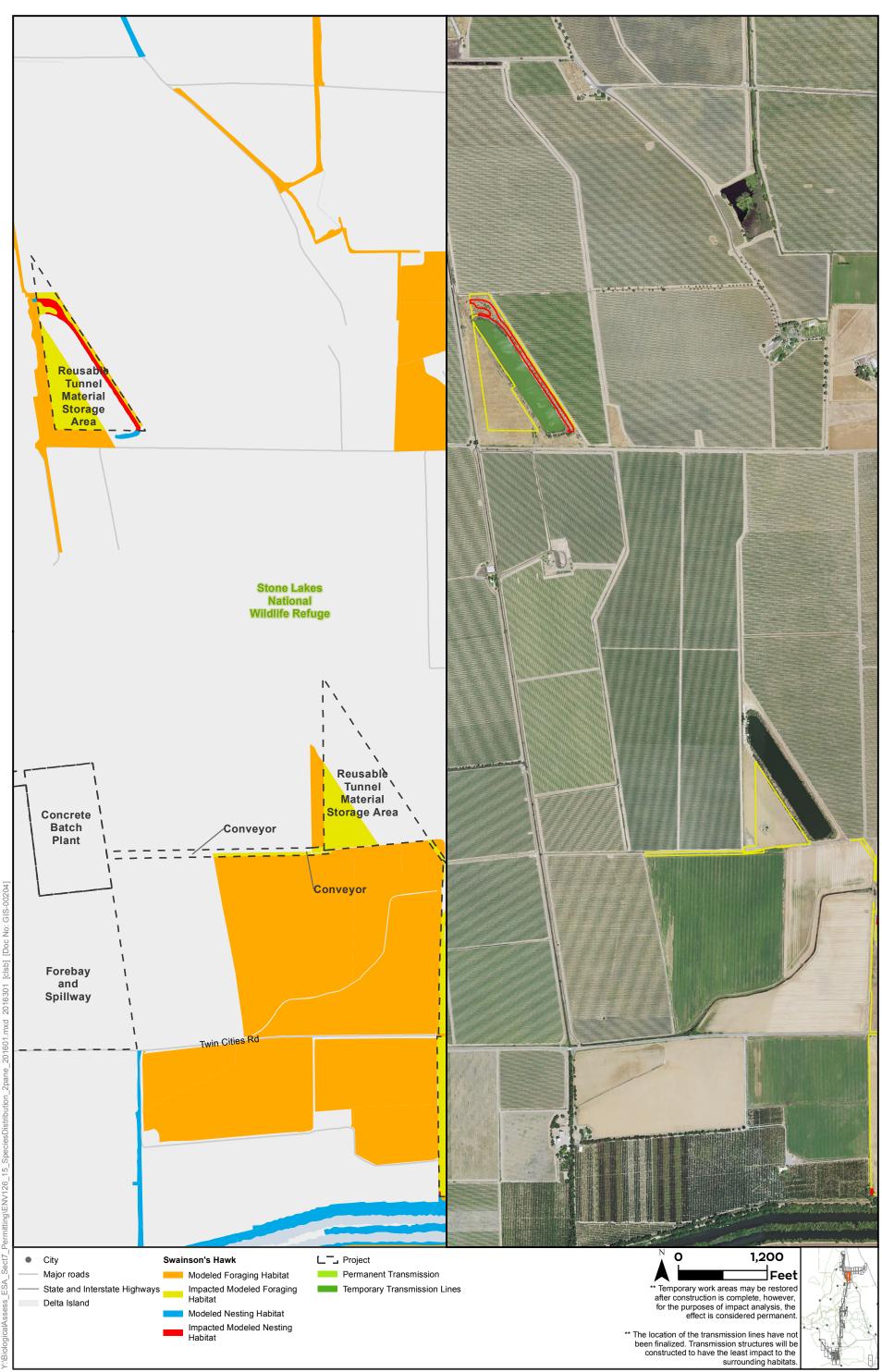
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line - Intermediate Forebay** Figure 4.7-16 of 4.7-38







Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Reusable Tunnel Material at Intermediate Forebay Figure 4.7-17 of 4.7-38





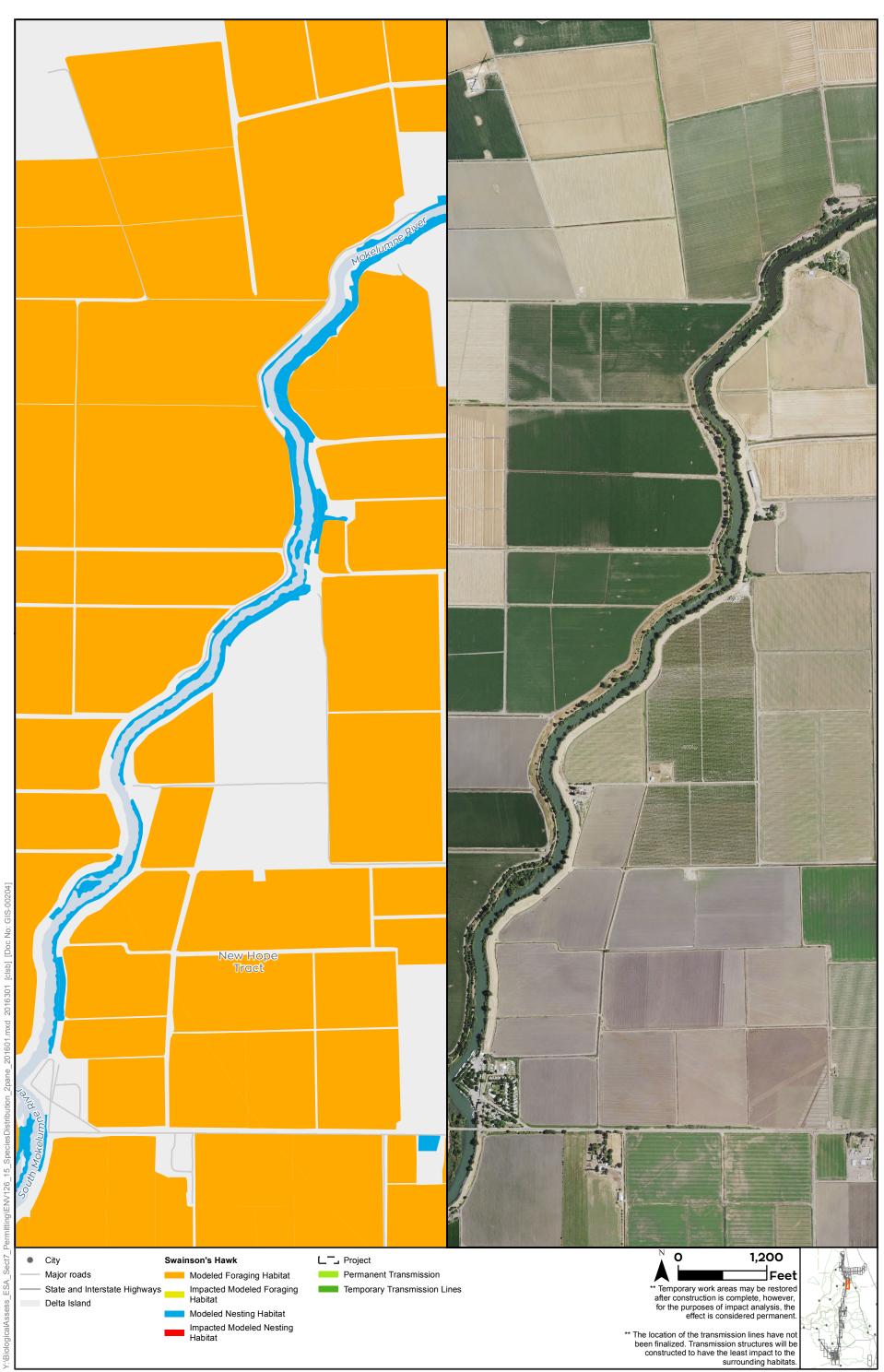
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Reusable Tunnel Material at Intermediate Forebay** Figure 4.7-18 of 4.7-38







Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Safe Haven Work Area Figure 4.7-19 of 4.7-38







Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Tunnel Work Area & Safe Haven Work Area Figure 4.7-20 of 4.7-38

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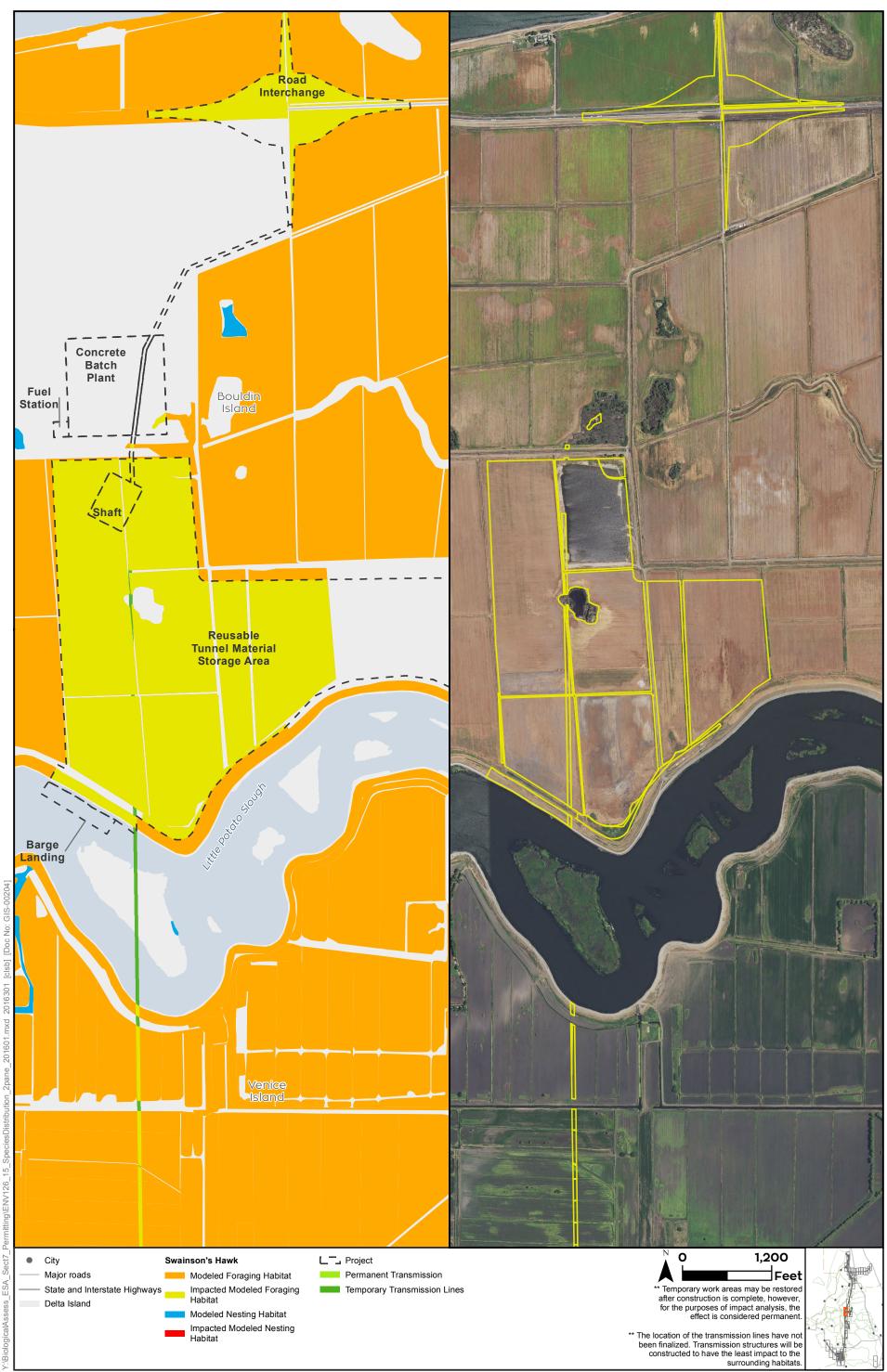




Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Shaft & Safe Haven Work Area Figure 4.7-21 of 4.7-38

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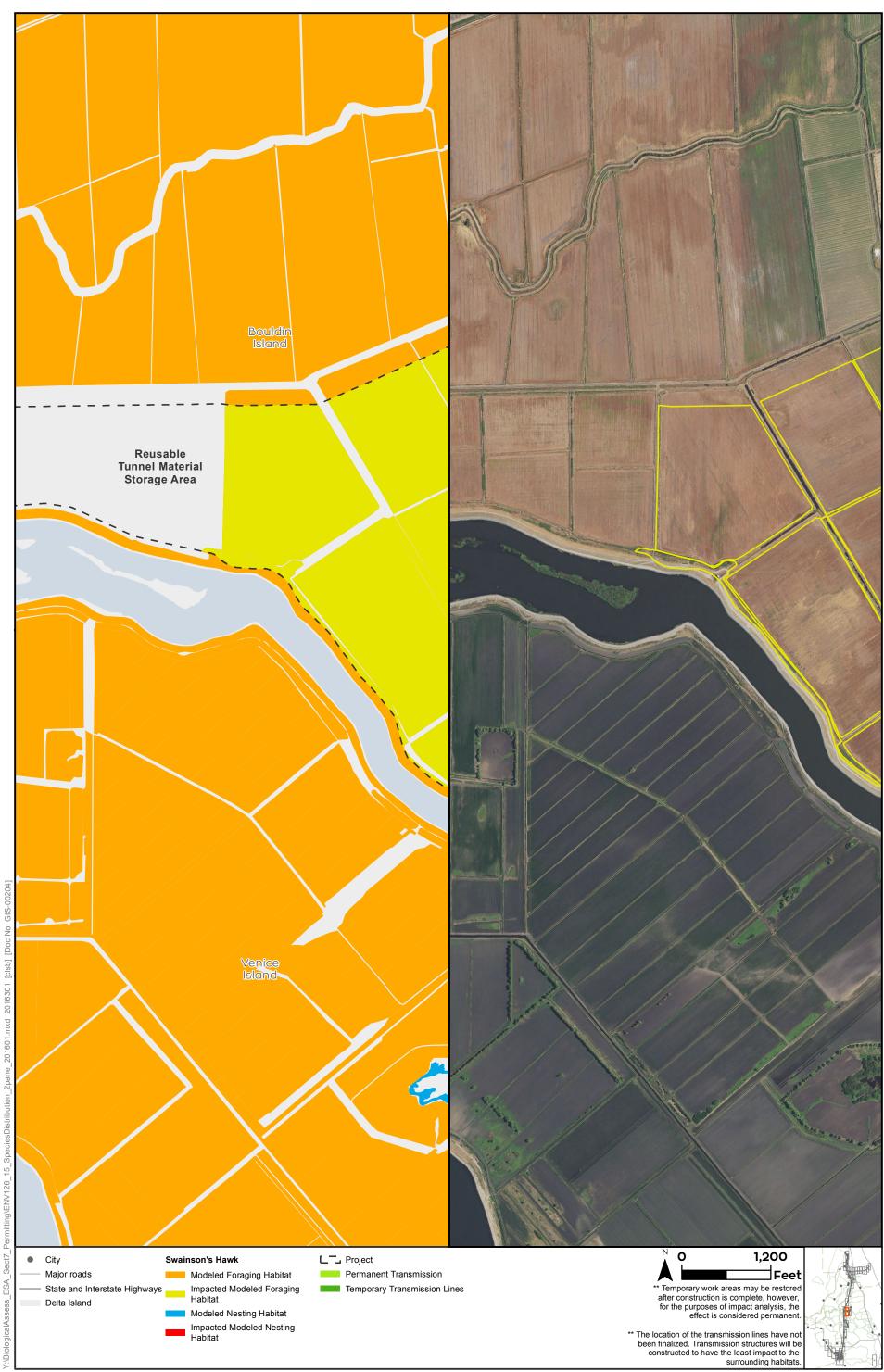
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Shaft & Reusable Tunnel Material Figure 4.7-22 of 4.7-38







Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Reusable Tunnel Material**

Figure 4.7-23 of 4.7-38

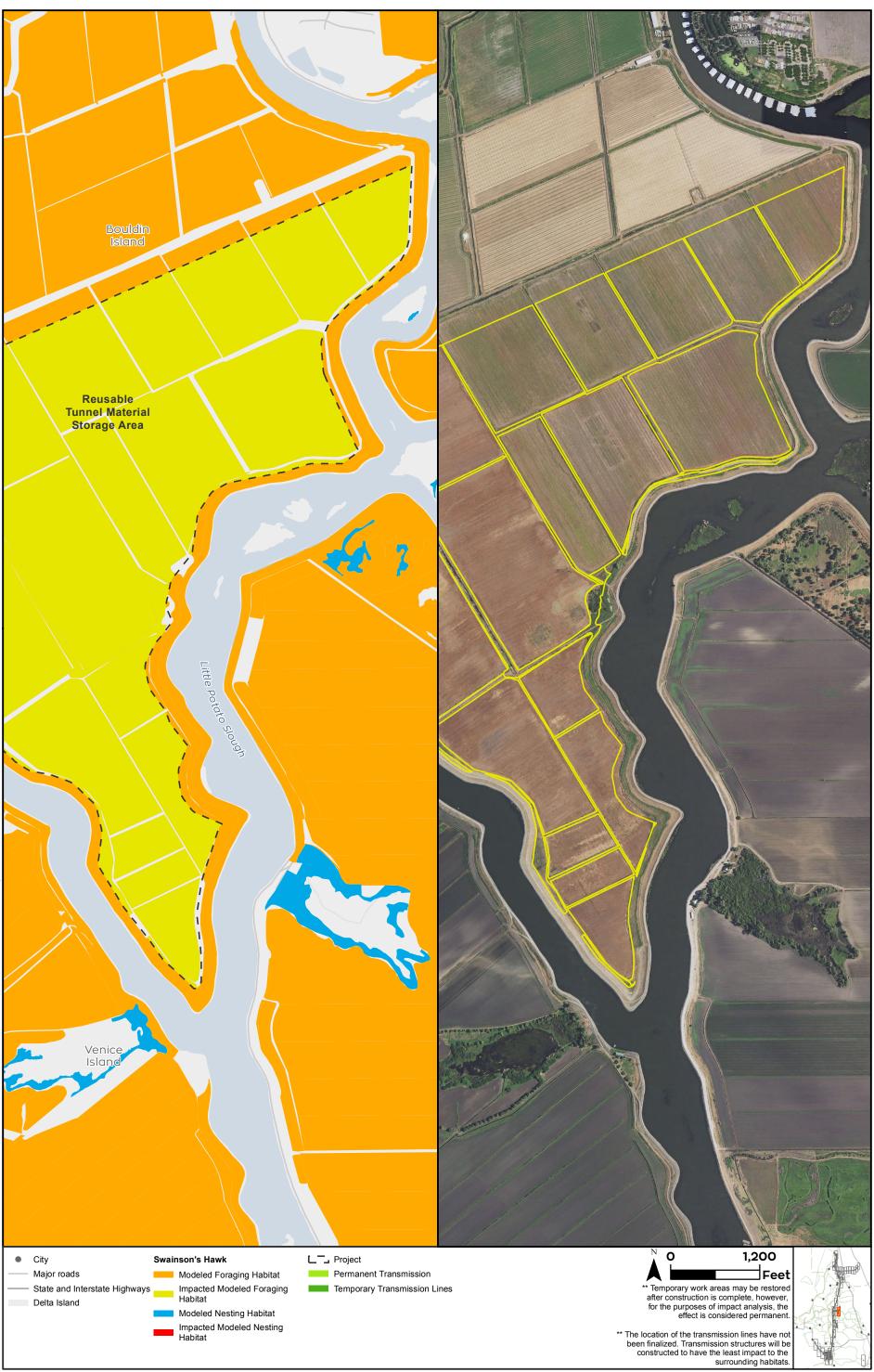


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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013; ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Reusable Tunnel Material Figure 4.7-24 of 4.7-38





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



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Safe Haven Work Area & Barge Unloading Area Figure 4.7-25 of 4.7-38





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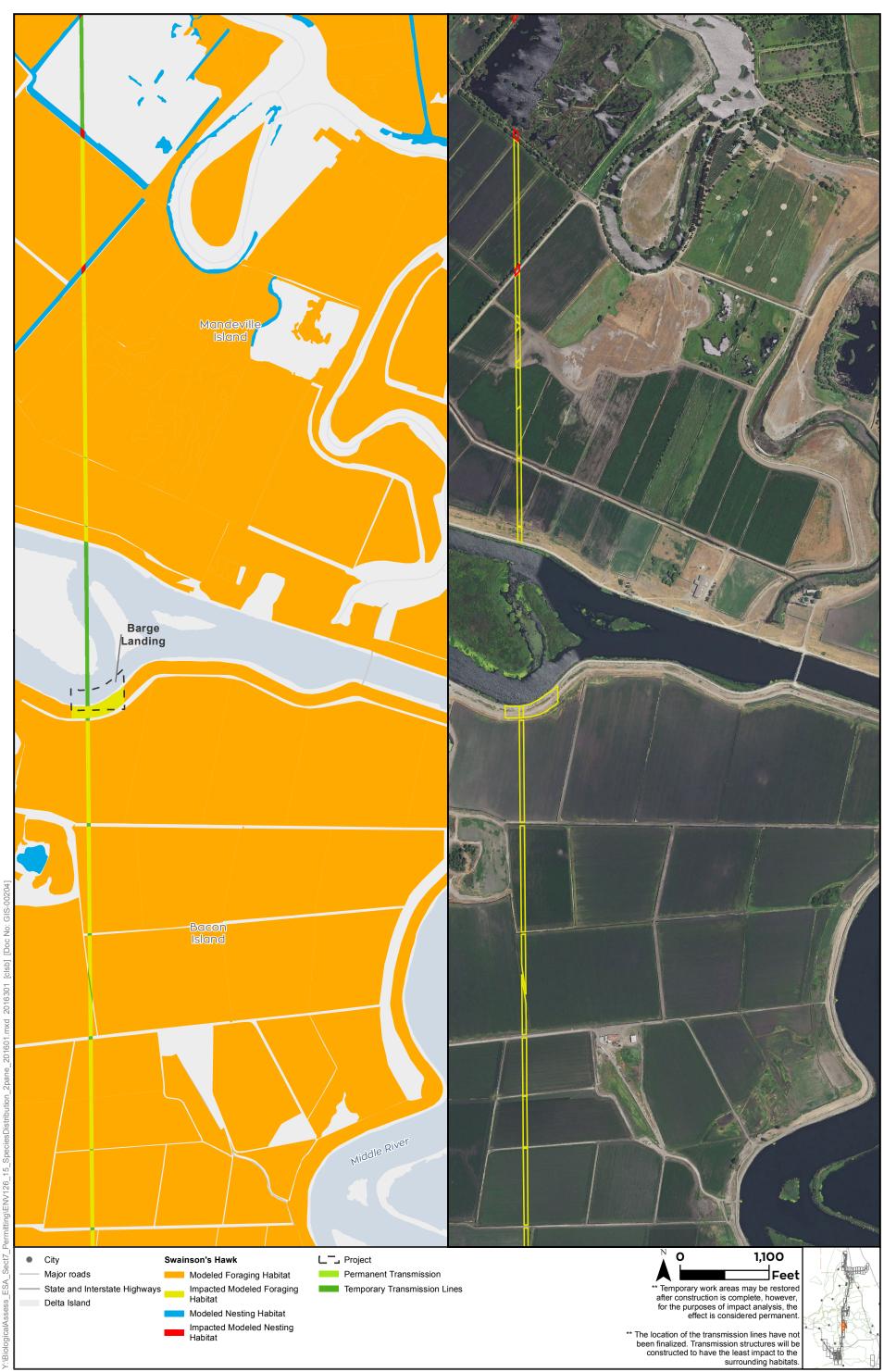
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Tunnel Work Area** Figure 4.7-26 of 4.7-38







Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Tunnel Work Area & Transmission Line** Figure 4.7-27 of 4.7-38

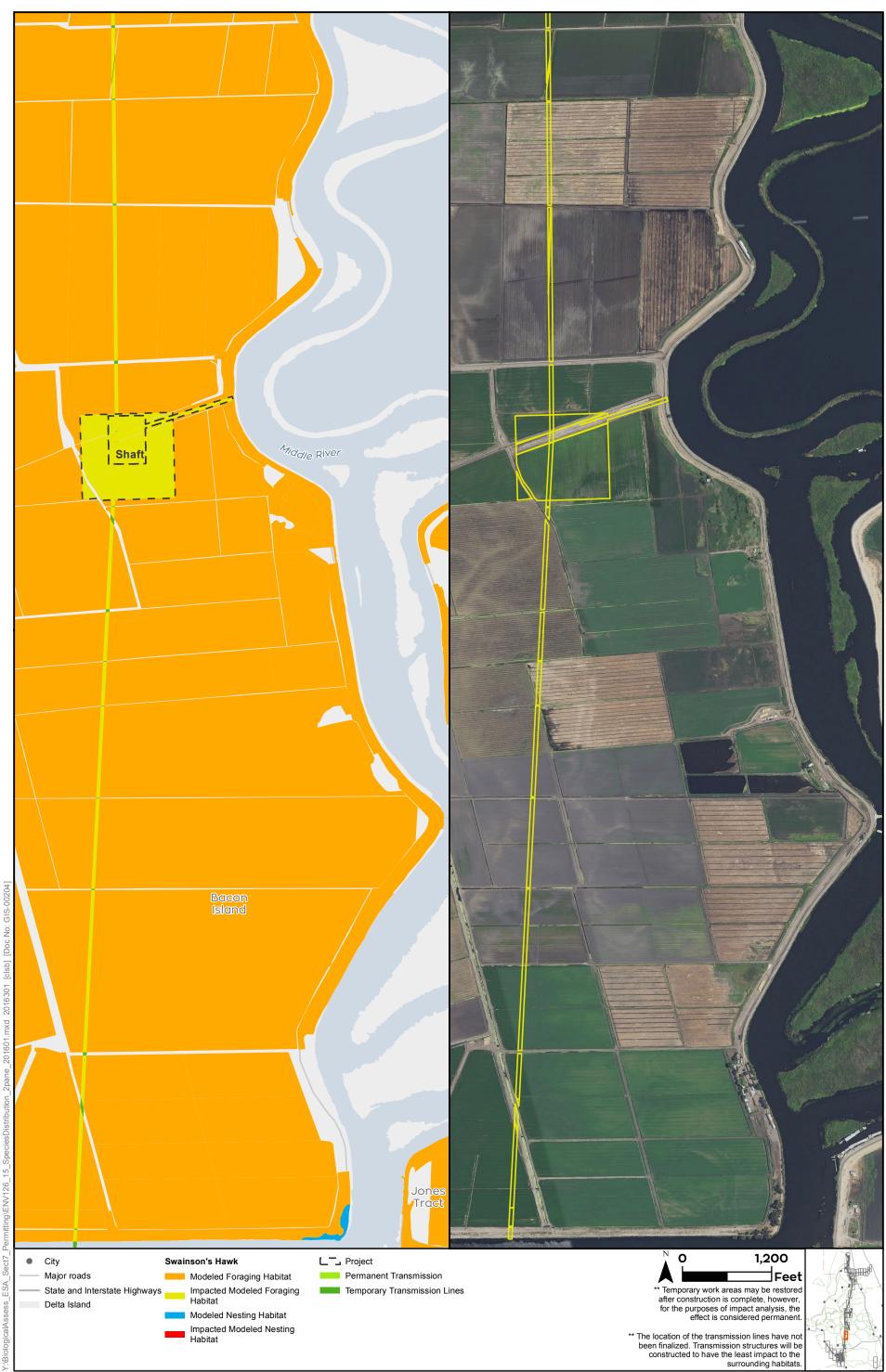


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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



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Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option Shaft & Tunnel Work Area Figure 4.7-28 of 4.7-38

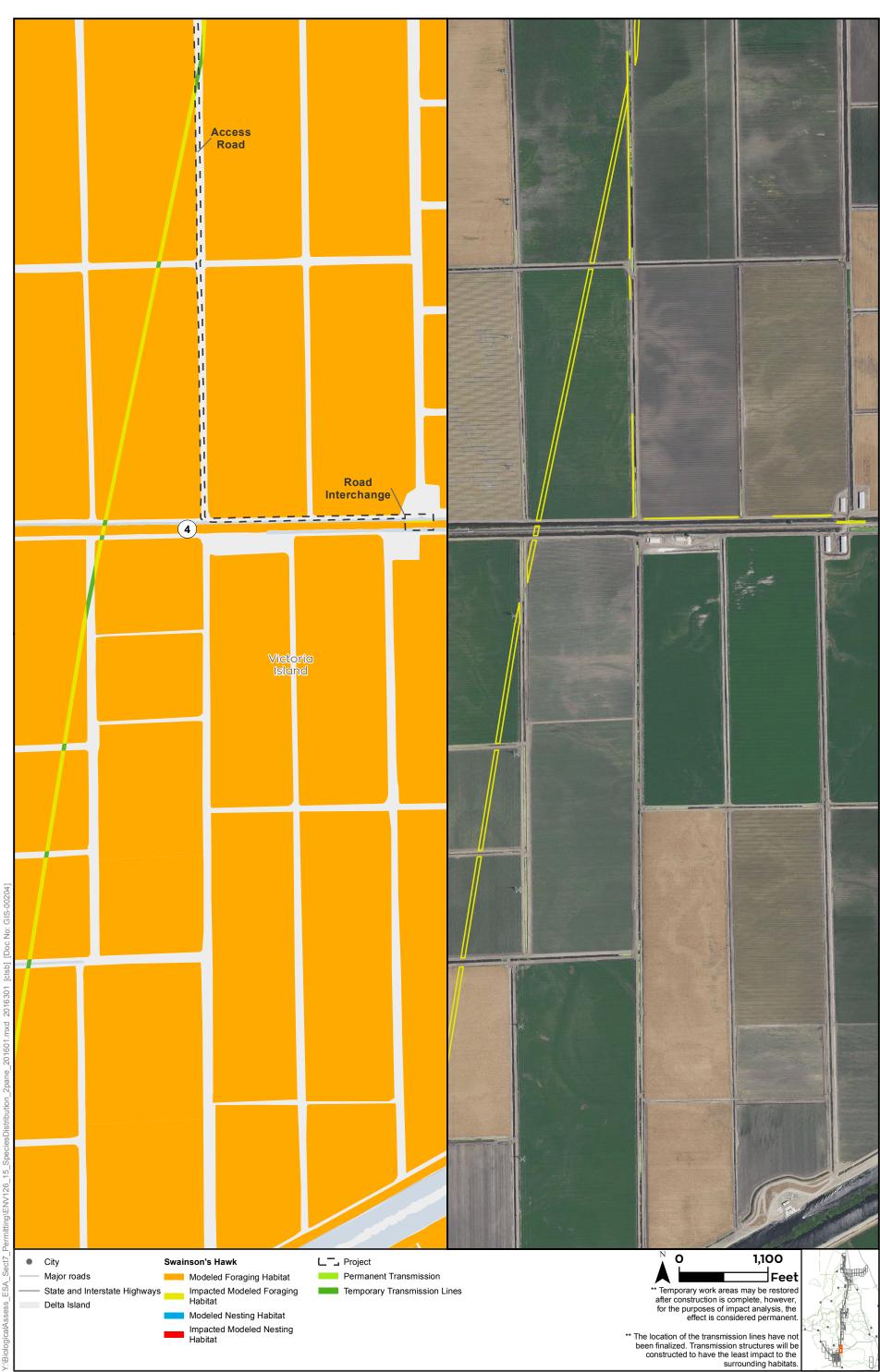




Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Tunnel Work Area & Transmission Line** Figure 4.7-29 of 4.7-38



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



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Tunnel Work Area & Transmission Line** Figure 4.7-30 of 4.7-38







Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Clifton Court Forebay** Figure 4.7-31 of 4.7-38



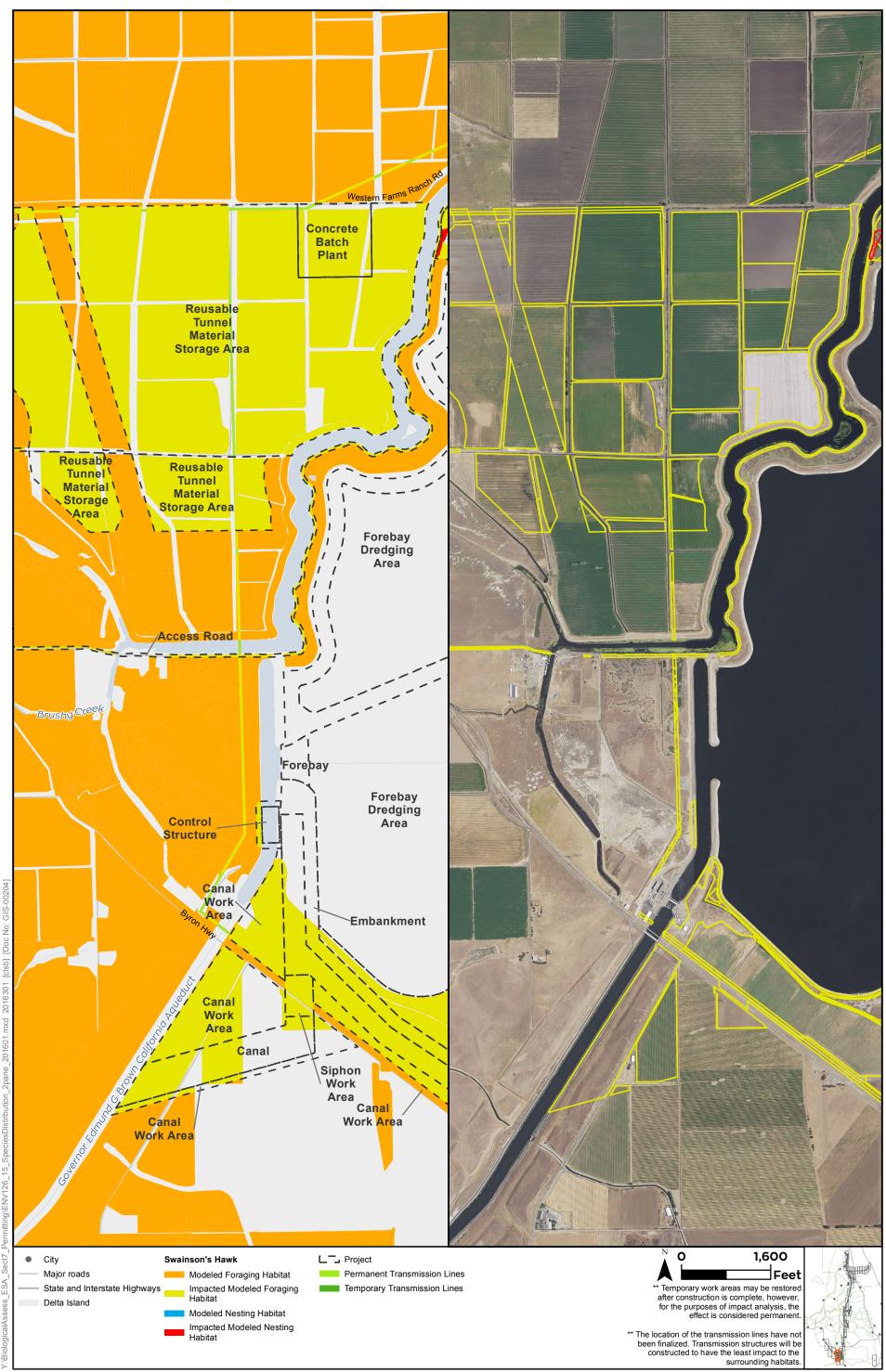
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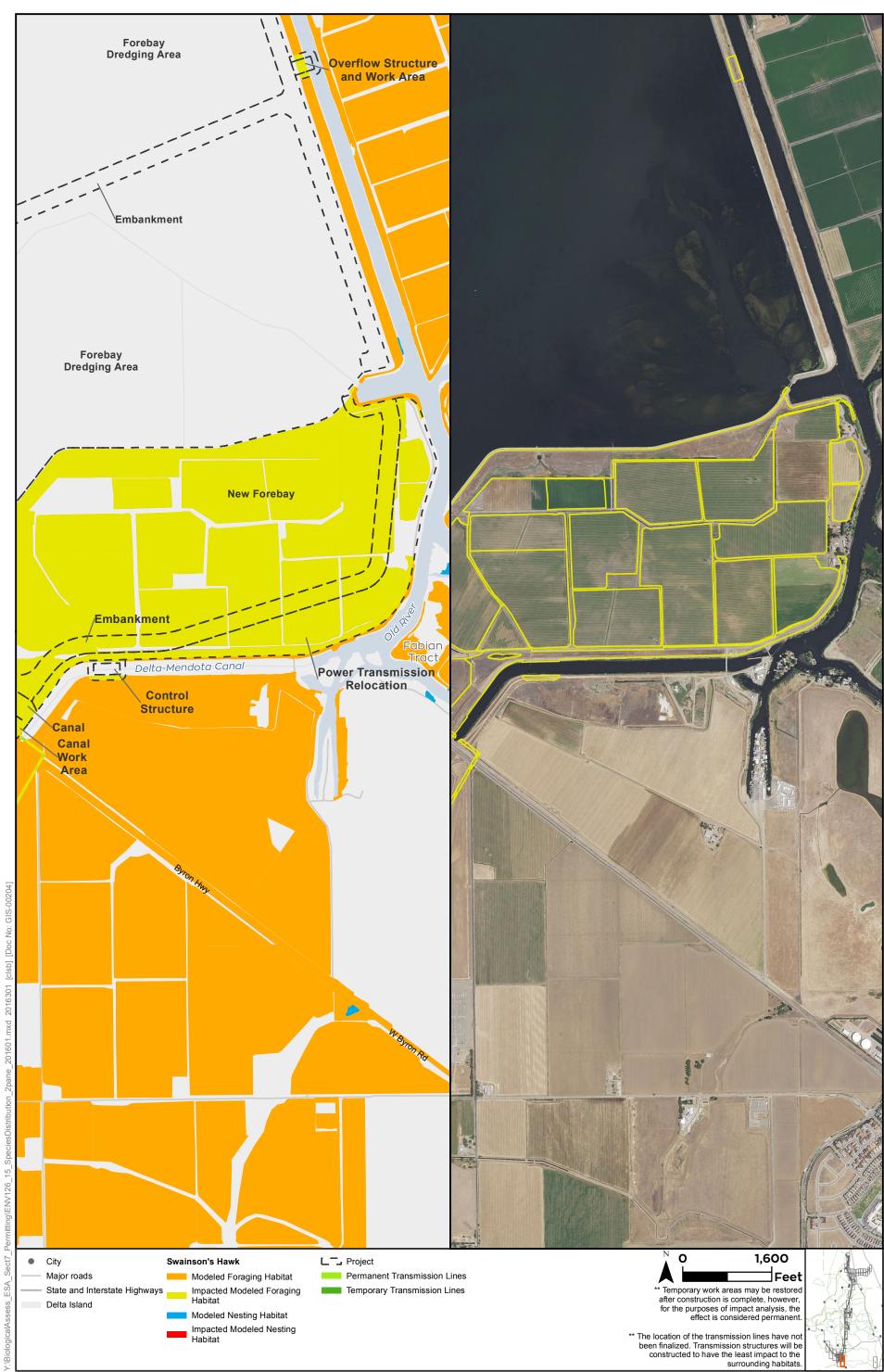
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Clifton Court Forebay** Figure 4.7-32 of 4.7-38





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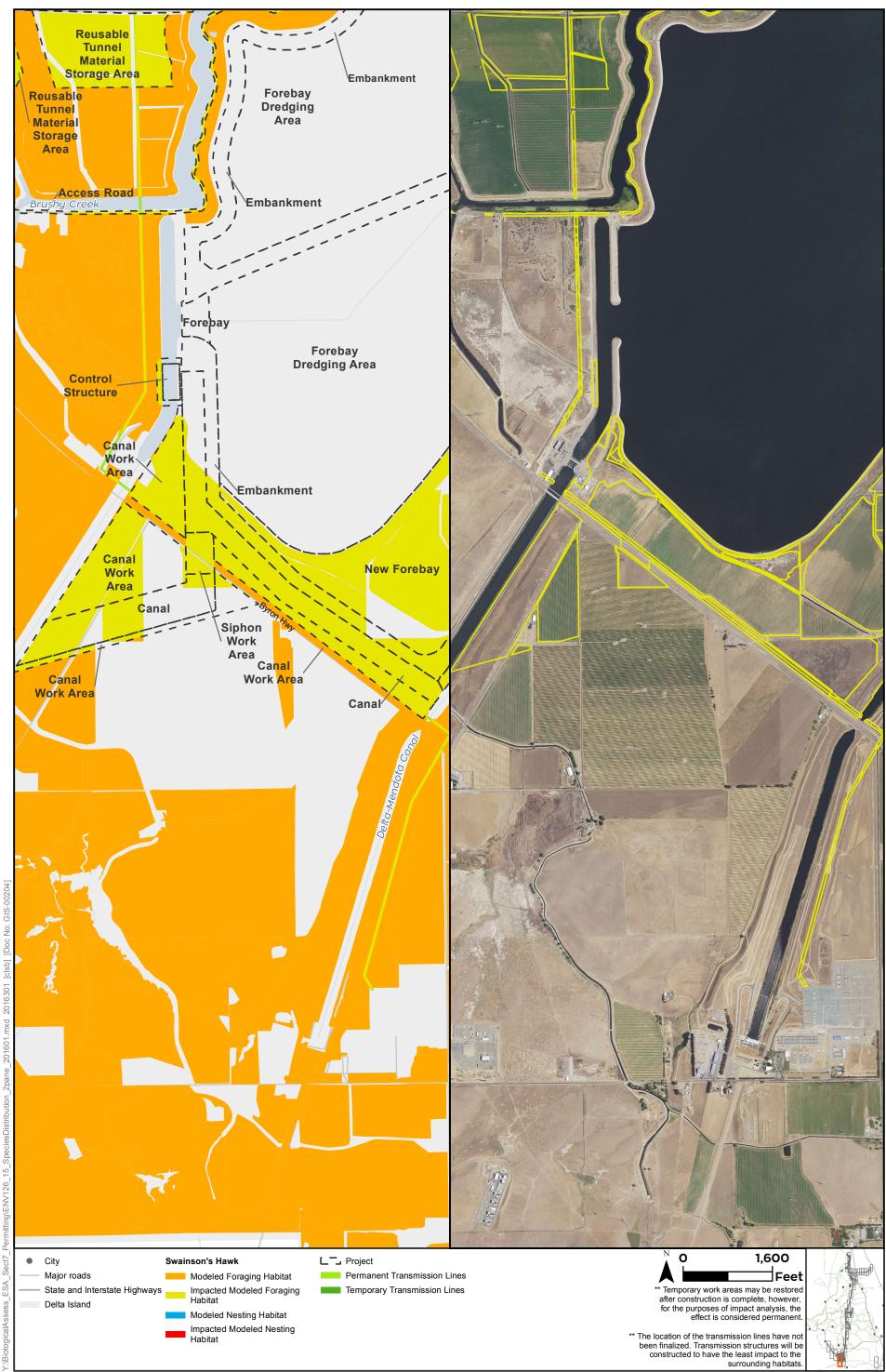
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **New Forebay** Figure 4.7-33 of 4.7-38





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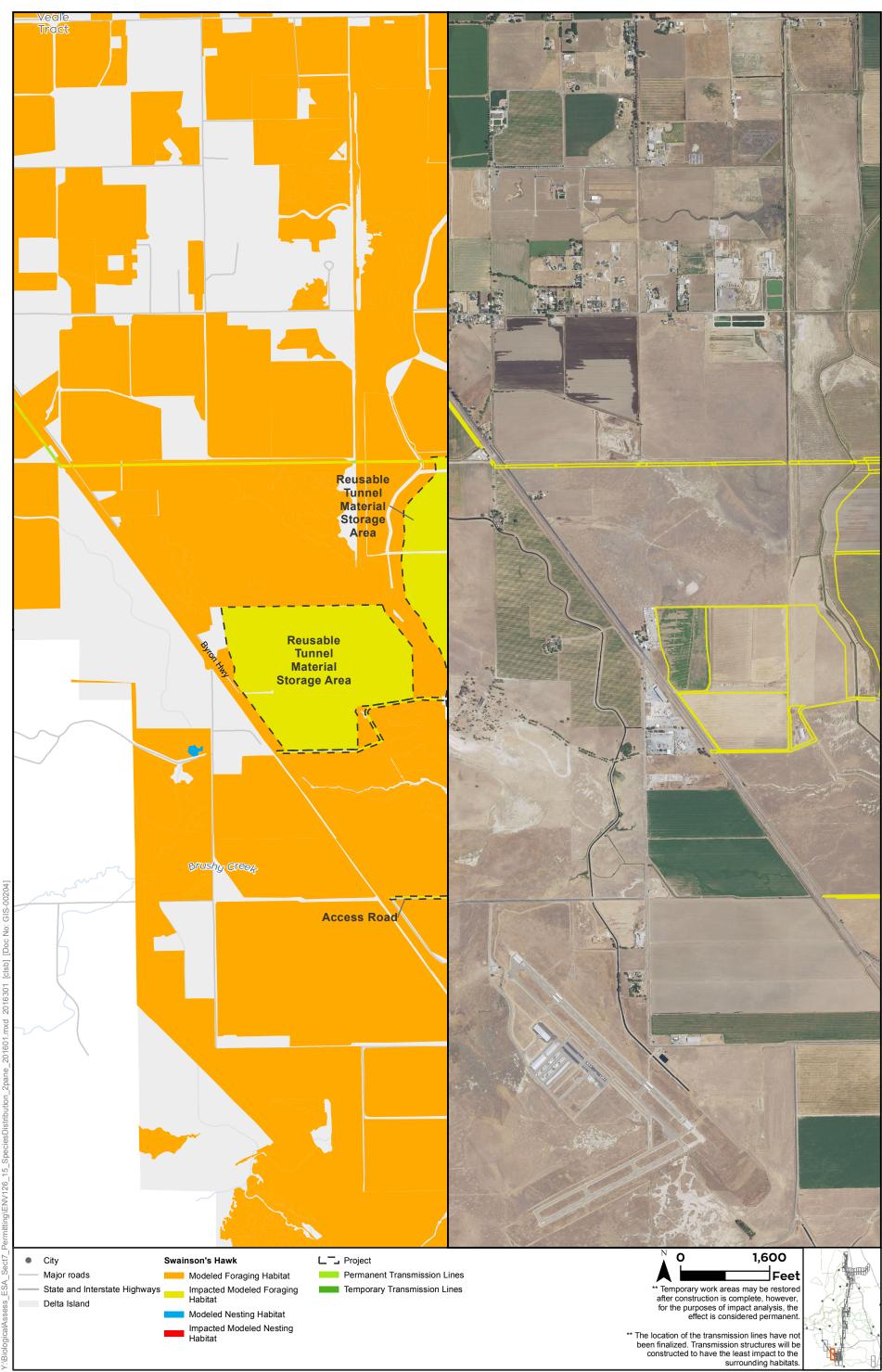
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Clifton Court Forebay** Figure 4.7-34 of 4.7-38





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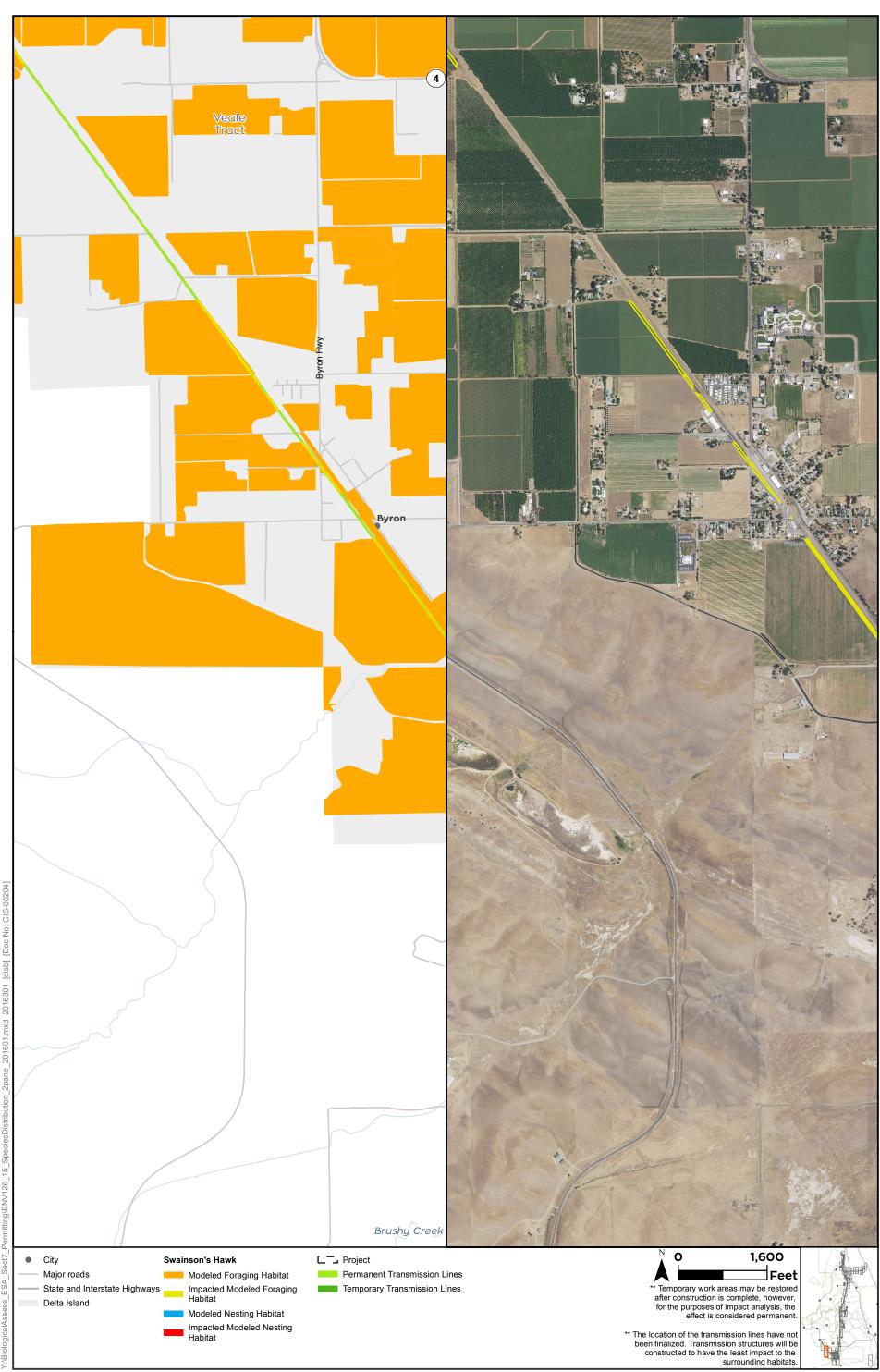
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Sources: CCO Conveyance, CA WaterFix 2015; Species Occurences, ICF 2013; Modeled Habitat, ICF 2013, ICF 2015; NAIP 2014



Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line & Reusable Tunnel Material** Figure 4.7-35 of 4.7-38





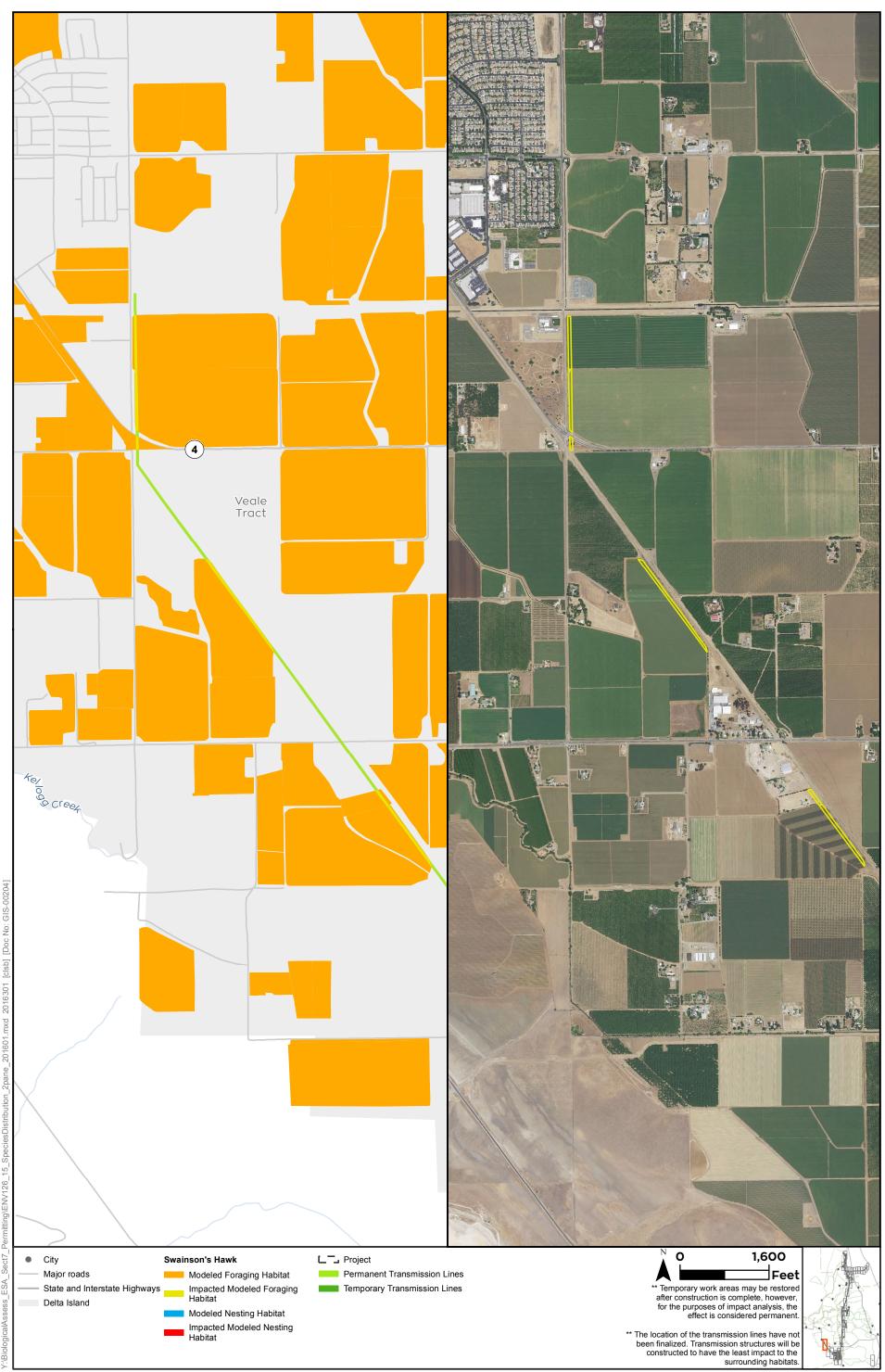


Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line** Figure 4.7-36 of 4.7-38



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Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Transmission Line** Figure 4.7-37 of 4.7-38

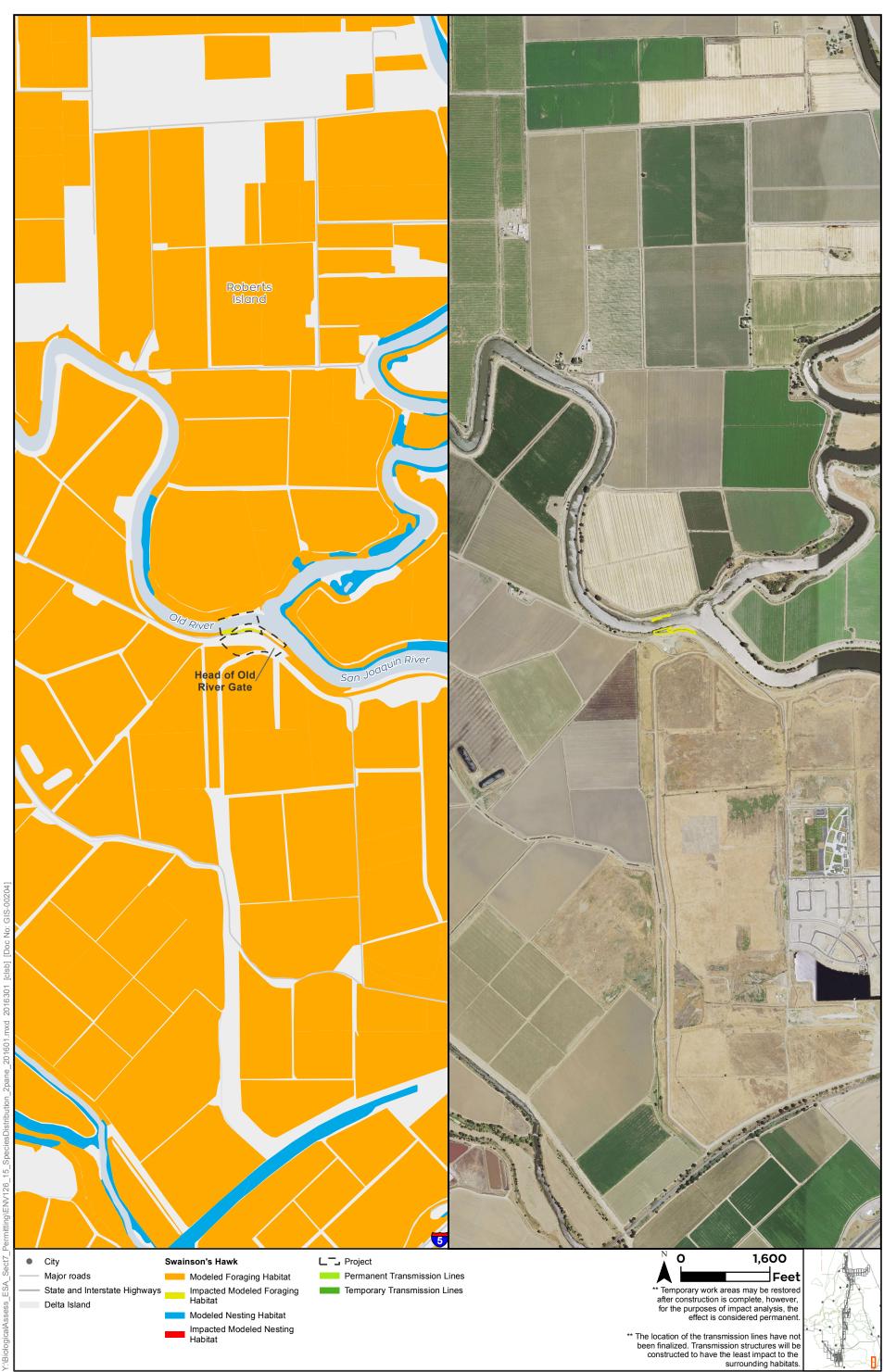


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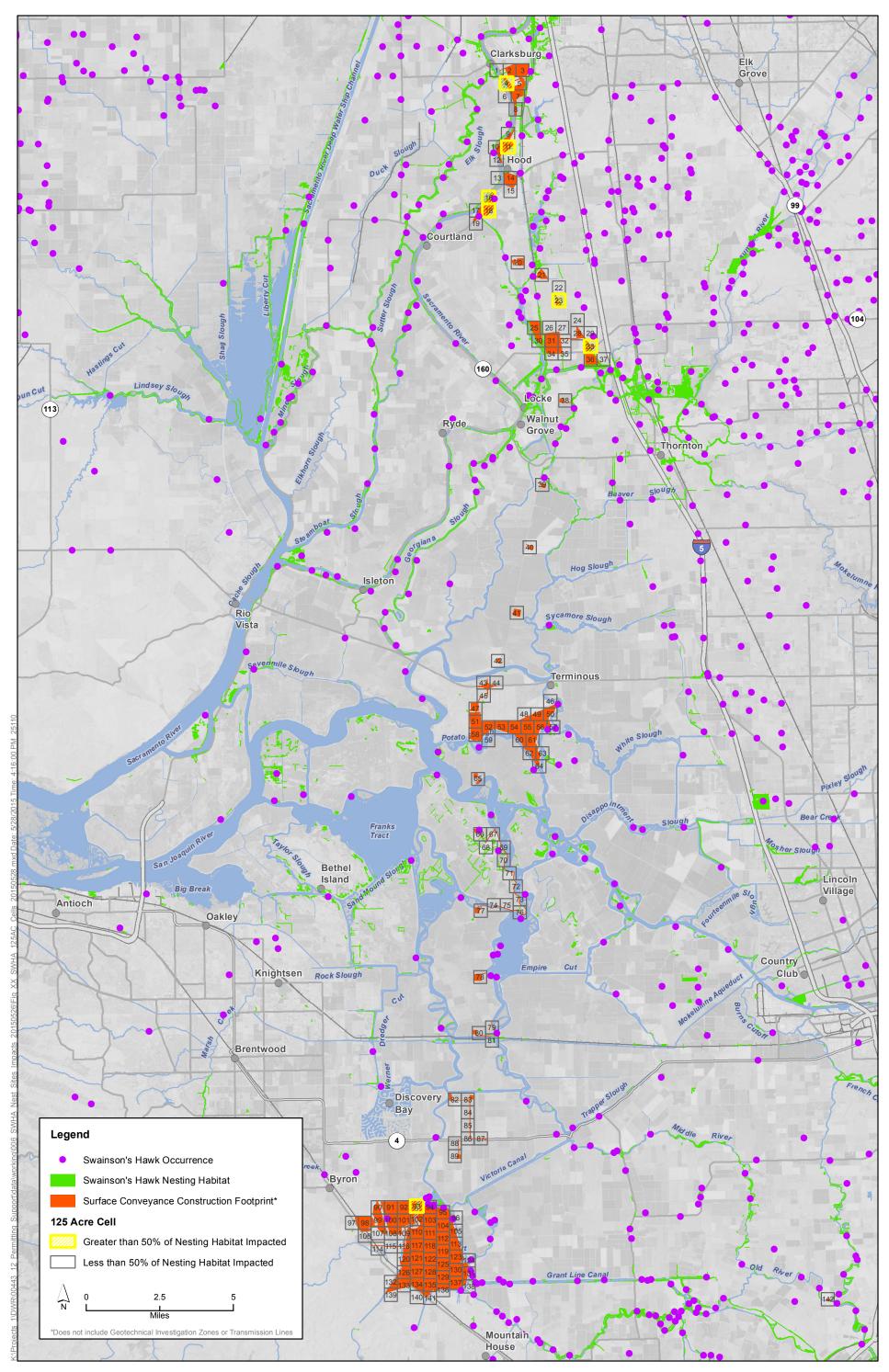


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Impacts to Swainson's Hawk Modeled Habitat from Water Conveyance Facility Construction Modified Pipeline Tunnel/Clifton Court Forebay Option **Operable Barrier** Figure 4.7-38 of 4.7-38



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Sources: Constructability (Rev 5a April), DHCCP DWR 2015

Figure 4.7-39 Swainson's Hawk 125-acre Nest Survey Cells in Project Area