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*This information is provided by Southern California Edison.

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Segment 7 & 8 Previously Permitted Impacts to Waters of the U.S.

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TRTP: SEGMENT 7&8
PROJECT TABLES

Segment 7&8 Previously Permitted Impacts to Waters of the U.S.

Table 1. Segment 7&8 Previously Permitted Impacts on Jurisdictional Features

Abbreviated Project Description	Work Area/ Mile-Structure	Feature ID	Species	Vegetation Type	Waters of the U.S. Temp (Acres)	Waters of the U.S. Temp (Linear Feet) ¹	Waters of the U.S. Perm (Acres)	Waters of the U.S. Perm (Linear Feet) ¹	Mitigation	Watershed
Tower Construction	M27-T3	7-3-S-2	Migratory Birds	Coastal Sage Scrub	0.0030	129	0.001	25	Non-Federal	Los Angeles San Gabriel Watershed
Tower Construction	M27-T3	7-3-S-7	Migratory Birds	Coastal Sage Scrub	0.0010	31	0.001	55	Non-Federal	Los Angeles San Gabriel Watershed
Tower Construction	M30-T1	7-8-S-3	Migratory Birds	Riversidean Alluvial Fan Sage Scrub	0.1800	150	0.008	50	Federal	Los Angeles San Gabriel Watershed
				Disturbed/Developed	0.3200	--	0.009	--	Federal	Los Angeles San Gabriel Watershed
Tower Construction	M31-T2	7-10-S-2	None	Mule Fat Scrub	0.0100	100	0.000	0	Federal	Los Angeles San Gabriel Watershed
				Disturbed/Developed	0.0100	--	0.001	--	Federal	Los Angeles San Gabriel Watershed
Tower and Access Road Construction	M57-T1	8-33-S-200	Migratory Birds	Coast Live Oak Woodland	0.009	134	0.019	274	Non-Federal	San Gabriel River
Tower Construction	M60-T2	8-39-W-2	Least Bell's Vireo and Migratory Birds	Mule Fat Scrub	0.0700	50	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
Tower Construction	M70-T4	8-56-S-1	None	Disturbed/Developed	0.0030	200	0.000	0	Non-Federal	Santa Ana River
				Ruderal grassland	0.1350	--	0.020	0	Non-Federal	Santa Ana River
Tower Construction and Wire Setup Site	M54-T1A; WSS 7.1,7.1a	7-2-S-1	Migratory Birds	Coastal Sage Scrub	0.0023	347	0.000	0	Non-Federal	San Gabriel River
				Mixed Chaparral	0.0057	--	0.000	0	Non-Federal	San Gabriel River
[Permitted with above]	M54-T1A; WSS 7.1,7.1a	7-2-S-2	Migratory Birds	Mixed Chaparral	0.0078	340	0.000	0	Non-Federal	San Gabriel River
Wire Setup Site	WSS 8-4.17; north of M44-T4	8-11-S-3	Coastal California Gnatcatcher	Coastal sage scrub	0.0100	107	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
[Permitted with above]	WSS 8-4.17; north of M44-T4	8-11-S-4	Coastal California Gnatcatcher	Coastal sage scrub	0.0010	139	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
				Ruderal Grassland	0.0100	--	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
Guard structure	Bet. M48-T4 and M49-T1	8-20A-S-2	Migratory Birds	Coast live oak woodland	0.0030	58	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
				Disturbed/Developed	0.0010		0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
Guard structure	Bet. M59-T3 and M59-T2	8-38-S-1	Least Bell's Vireo and Migratory Birds	Southern Arroyo Willow Riparian Forest	0.0030	50	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
New access road	M54-T1A Access Road	7-2-S-3	Migratory Birds	Mixed Chaparral	0.0000	0	0.001	18	Non-Federal	Los Angeles San Gabriel Watershed
New access road	M27-T3 Access Road	7-3A-S-5	Migratory Birds	Coastal Sage Scrub	0.0010	42	0.001	39	Non-Federal	San Gabriel River
[Permitted with above]	M27-T3 Access Road	7-3-S-6	Migratory Birds	Coastal Sage Scrub	0.0000	0	0.002	18	Non-Federal	San Gabriel River
[Permitted with above]	M27-T3 Access Road	7-3-S-8	Migratory Birds	Coastal Sage Scrub	0.0000	0	0.0160	41	Non-Federal	San Gabriel River
New access road	M49-T1 Access Road	8-20-S-4	Migratory Birds	Coast Live Oak Woodland	0.0024	75	0.007	190	Non-Federal	San Gabriel River
				Ruderal Grassland	0.0024	--	0.000	0	Non-Federal	San Gabriel River
New access road	M0-T2 Access Road; Chino Substation	8-50-S-4	Potential Burrowing Owl and Migratory Birds	Un-vegetated	0.0000	0	0.004	18	Non-Federal	Santa Ana River
Widening existing road	Access Road from Rally Point to M54-J2	7-93-S-2	Least Bell's Vireo	Southern Willow Scrub	0.0030	18	0.006	30	Non-Federal	Los Angeles San Gabriel Watershed
Widening existing road	Access Road from M45-T5	8-14-S-2	Migratory Birds	Disturbed/Developed	0.0020	18	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
				Southern Sycamore Alder Riparian Woodland	0.0004		0.000	0	Non-Federal	Los Angeles San Gabriel Watershed

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TRTP: SEGMENT 7&8
PROJECT TABLES

Abbreviated Project Description	Work Area/ Mile-Structure	Feature ID	Species	Vegetation Type	Waters of the U.S. Temp (Acres)	Waters of the U.S. Temp (Linear Feet) ¹	Waters of the U.S. Perm (Acres)	Waters of the U.S. Perm (Linear Feet) ¹	Mitigation	Watershed
[Permitted with above]	Access Road from M45-T5	8-14-S-3	Migratory Birds	Coast Live Oak Woodland	0.0001	18	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
[Permitted with above]	Access Road from M45-T5	8-14-S-4	Migratory Birds	Coast Live Oak Woodland	0.0001	18	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
[Permitted with above]	Access Road from M45-T5	8-14-S-8	Migratory Birds	Coast Live Oak Woodland	0.0002	18	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
[Permitted with above]	Access Road from M45-T5	8-14-S-9	Migratory Birds	Mule Fat Scrub	0.0010	18	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
Underground vault installation.	66kV pole 4774418E, Near M40-T3	7-35-S-1	Least Bell's Vireo, Coastal California Gnatcatcher	Disturbed/Developed	0.0010	18	0.000	0	Non-Federal	Los Angeles San Gabriel Watershed
Under-grounding of existing line	Near M66-T4	8-50-S-1	Burrowing Owl and Migratory Birds	Ruderal Grassland	0.0900	954	0.001	0	Non-Federal	Santa Ana River
[Permitted with above]	Near M66-T5	8-50-S-2	Burrowing Owl and Migratory Birds	Ruderal Grassland	0.0600	1630	0.001	0	Non-Federal	Santa Ana River
Underground vault installation.	Chino Substation; 66kV pole 4733491E removal area	8-50-S-3	Potential Burrowing Owl	Disturbed/Developed	0.0120	100	0.000	0	Non-Federal	Santa Ana River
Maintenance grading	Van Tassel Mtwy	7-2-S-12	None	Un-vegetated	0.0010	18	0.000	0	None	San Gabriel River
Maintenance grading	Van Tassel Mtwy	7-2-S-13	None	Un-vegetated	0.0010	18	0.000	0	None	San Gabriel River
Maintenance grading	M40-T5 and M41-T1 Access Road	7-35-S-3	Least Bell's Vireo, Migratory Birds	Un-vegetated	0.007	18	0	0	None	San Gabriel River
Maintenance grading	M41-T1	7-35-W-1	Least Bell's Vireo, Migratory Birds	Un-vegetated	0.0060	18	0.000	0	None	San Gabriel River
Maintenance grading	M41-T5	7-37-S-1	Migratory Birds	Un-vegetated	0.0010	18	0.000	0	None	San Gabriel River
Maintenance grading	Near M42-T6	7-39-S-2	Migratory Birds	Un-vegetated	0.0030	18	0.000	0	None	San Gabriel River
Maintenance grading	Van Tassel Mtwy	7-93-S-1	None	Un-vegetated	0.0004	18	0.000	0	None	San Gabriel River
Maintenance grading	Btwn M47-T1 and M47-T2 (Skyline #2 Fire Road)	8-17-S-5	Coastal California Gnatcatcher, Coastal California Gnatcatcher Critical Habitat	Un-vegetated	0.0002	18	0.000	0	None	San Gabriel River
Maintenance grading	Btwn M48-T2 and M48-T3 (Skyline Road)	8-19A-S-1	Coastal California Gnatcatcher	Un-vegetated	0.0020	18	0.000	0	None	San Gabriel River
Maintenance grading	Btwn M48-T2 and M48-T3 (Skyline Road)	8-19A-S-2	Coastal California Gnatcatcher	Un-vegetated	0.0010	18	0.000	0	None	San Gabriel River
Maintenance grading	Access road to M48-T3 (Draper Road)	8-19-S-2	Migratory Birds, Coastal California Gnatcatcher Critical Habitat	Un-vegetated	0.0010	18	0.000	0	None	San Gabriel River
Maintenance grading	Near MA1-T3	8-56-S-300	Migratory Birds	Un-vegetated	0.0099	18	0.000	0	None	San Gabriel River
Previously Permitted Subtotal³					<i>0.99</i>	<i>4,978</i>	<i>0.10</i>	<i>758</i>		
<div><div>1</div><div>Linear feet calculations represent the total for the feature and are not specific to vegetation community.</div><div>2</div><div>Feature 8-39-W-2 was previously permitted as part of the TRTP Segments 7 and 8 permits and may/may not be avoided during demolition of the overhead structure. The feature is also anticipated to be impacted by the proposed Chino Hills UG project alignment resulting in new temporary and permanent impacts.</div><div>3</div><div>May not total due to rounding.</div></div>										

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TRTP: SEGMENT 7&8 PROJECT TABLES

Table 2: Total Segment 7&8 Previously Permitted Impacts to Waters of the U.S., and Mitigation Requirements

Impacts per Habitat Type	Streambed Impacts on Army Corps-Owned Lands		Streambed Impacts on Lands Not Owned by the Army Corps		Mitigation Ratios on Army Corps - Owned Lands		Mitigation Ratios on Lands Not Owned by the Army Corps		Total Temp Mitigation (acres)	Total Perm. Mitigation (acres)	Total Mitigation (acres) ¹
	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.			
Non-riparian											
Coastal Sage Scrub	--	--	0.018	0.021	2:1	5:1	1:1	1.5:1	0.018	0.0315	0.495
Coast Live Oak Woodland	--	--	0.015	0.026	1:1	5:1	1:1	1.5:1	0.015	0.039	0.054
Disturbed/Developed ("Barren/Developed")	0.33	0.01	0.019	0	1:1 ³	1:1 ³	1:1 ³	1:1 ³	0.349	0.01	0.359
Mixed Chaparral	--	--	0.014	0.001	1:1	3:1	1:1	1:1	0.014	0.001	0.015
Ruderal Grassland	--	--	0.297	0.022	1:1 ³	1:1 ³	1:1 ³	1:1 ³	0.297	0.022	0.319
Unvegetated ("Barren/Developed")	-- ²	--	--	0.004	1:1 ³	1:1 ³	1:1 ³	1:1 ³	0	0.004	0.004
Subtotal	0.33	0.01	0.36	0.074					0.69	0.11	0.80
Riparian											
Mulefat scrub	0.01	--	0.071	--	2:1	5:1	1:1	3:1	0.02	0.071	0.091
Riversidean Alluvial Fan Sage Scrub	0.18	0.008	--	--	2:1	5:1	1:1	3:1	0.36	0.04	0.40
Southern Arroyo Willow Riparian Forest	--	--	0.003	--	2:1	5:1	1:1	3:1	0.003	0	0.003
Southern Sycamore Alder Riparian Woodland	--	--	0.0004	--	2:1	5:1	1:1	3:1	0.0004	0	0.0004
Southern Willow Scrub	--	--	0.003	0.006	2:1	5:1	1:1	3:1	0.003	0.018	0.021
Subtotal	0.19	0.008	0.0774	0.006					0.3864	0.129	0.52
TOTAL ⁴	0.52 ²	0.018	0.44	0.08					1.08	0.239	1.32 ¹
No mitigation is proposed for 0.0265 acre of temporary impacts as a result of maintenance grading on existing access roads.											
Summary of Total Impacts (including 0.0265 acre of temporary impacts as a result of maintenance grading on existing access roads)											
Segment	Temporary Impacts (acres) ⁴		Temporary Impacts (linear feet)		Permanent Impacts (acres) ⁴		Permanent Impacts (linear feet)		TOTAL Impacts ⁴ acres and (linear feet)		
Segment 7	0.56		1,301		0.05		276		0.61 (1,577)		
Segment 8	0.43		3,677		0.05		482		0.48 (4,159)		
TOTAL	0.99		4,978		0.10		758		1.09 (5,736)		
¹ ALL impacts to waters of the US will be mitigated at the Mitigation Site (1.32 acres required).											
² This total excludes 0.0265 acre of temporary impacts to unvegetated road crossings as these areas will not be mitigated.											
³ Non-native habitats will be reseeded with a native seed mix. Barren areas will be mitigated at a 1:1 ratio if they are determined to support sensitive wildlife (i.e., burrowing owls, etc.)											
⁴ Rounded to the nearest hundredth.											

Impacts to Waters of the U.S. as a Result of Chino Hills Underground

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PROJECT TABLES

Impacts to waters of the U.S. as a result of Chino Hills Underground

Table 3. Impacts on Jurisdictional Features as a Result of the Chino Hills Underground

Abbreviated Project Description	Work Area/ Mile-Structure	Feature ID	Species	Vegetation Type	Waters of the U.S. Temp (Acres)	Waters of the U.S. Temp (Linear Feet) ¹	Waters of the U.S. Perm (Acres)	Waters of the U.S. Perm (Linear Feet) ¹	Watershed
CHINO HILLS UNDERGROUND									
Site Preparation, Temporary Construction Access, and Permanent Grading (Western Transition Station), Stormwater Management Facilities and Energy Dissipator	Near M60-T1X & Western Transmission Station (WTS)	8-39a-S-1	Least Bell's Vireo, Migratory Birds	Mule Fat Scrub	0.0000	0	0.0069	38	Santa Ana
			Least Bell's Vireo, Migratory Birds	Mule Fat Scrub - Disturbed	0.0000	0	0.0170	78	Santa Ana
			Least Bell's Vireo, Migratory Birds	Southern Arroyo Willow Riparian Forest	0.0035	18	0.0026	14	Santa Ana
Site Preparation and Temporary Construction Access and Permanent Grading (Western Transition Station and Tower Construction), Stormwater Management Facilities and Energy Dissipator	Near M60-T1X & WTS	8-39a-W-1	Least Bell's Vireo, Migratory Birds	Mule Fat Scrub	0.0106	80	--	--	Santa Ana
			Least Bell's Vireo, Migratory Birds	Southern Arroyo Willow Riparian Forest	0.0050	41	--	--	Santa Ana
Site Preparation and Permanent Grading (Western Transition Station), Stormwater Management Facilities & Energy Dissipator	Near M60-T1X & WTS	8-39-W-2	Least Bell's Vireo, Migratory Birds	Emergent Wetland	--	--	0.0035	30	Santa Ana
Site Preparation and Permanent Grading (Western Transition Station), Stormwater Management Facilities	Near M60-T1X & WTS	8-39a-W-3	Least Bell's Vireo, Migratory Birds	Emergent Wetland	--	--	0.0111	46	Santa Ana
Site Preparation and Temporary Construction Access (Duct Bank Vault Construction), Stormwater Management Facilities, Duct Bank Installation, O&M Vegetation Management	Near VC2	8-39a-W-4	Least Bell's Vireo, Migratory Birds	Southern Arroyo Willow Riparian Forest	0.5202	304	0.1169	68	Santa Ana
Site Preparation and Temporary Construction Access (Access Road), Energy Dissipator, Duct Bank Installation, O&M Disturbance	Near RV1	8-39-S-2	Migratory Birds	California Annual Grassland	0.0000	--	--	--	Santa Ana
			Migratory Birds	Disturbed/Developed	0.0063	143	0.0000	1	Santa Ana
			Migratory Birds	Ruderal Grassland	0.0138	289	0.0011	23	Santa Ana
Site Preparation and Temporary Construction Access (Access Road), New Spur Road, Stormwater Management Facilities, Duct Bank Installation, O&M Disturbance	Near RV1	8-39-W-2 ²	Migratory Birds	Disturbed/Developed	0.0011	--	0.0058	7	Santa Ana
			Migratory Birds	Mule Fat Scrub	0.0535	74	0.0325	70	Santa Ana
			Migratory Birds	Ruderal Grassland	0.0472	--	0.0780	32	Santa Ana
Site Preparation and Temporary Construction Access, Energy Dissipator, New Spur Road	Near RV1	8-39-S-3	Migratory Birds	Non-Native Woodland	0.0000	--	0.0001	5	Santa Ana
			Migratory Birds	Ruderal Grassland	0.0038	166	0.0000	--	Santa Ana
Site Preparation and Temporary Construction Access	Near VC2	8-39-W-3	Migratory Birds	Disturbed/Developed	0.0148	64	0.0000	--	Santa Ana
Site Preparation and Temporary Construction Access (Access Road), Access Road, Stormwater Management Facilities, Duct Bank Installation, O&M Disturbance	Near CV4	8-40-S-5	Migratory Birds	Ruderal Grassland	0.0046	85	0.0081	151	Santa Ana
Total³					0.6843	1,264	0.2836	563	
¹ Linear feet calculations represent the total for the feature and are not specific to vegetation community.									
² Feature 8-39-W-2 was previously permitted as part of the TRTP Segments 7 and 8 permits and may/may not be avoided during demolition of the overhead structure. The feature is also anticipated to be impacted by the proposed Chino Hills UG project alignment, resulting in new temporary and permanent impacts.									
³ May not total due to rounding.									

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TRTP: SEGMENT 7&8 PROJECT TABLES

Table 4a. Mitigation Ratios and Compensatory Mitigation Proposed for Temporary Impacts to Waters of the U.S. and Wetlands as a Result of the Chino Hills Underground

Watershed and Hydrology Breakdown	Temporary Impacts (Acres) ¹	Proposed Mitigation Ratio (X:1)	Proposed Mitigation (Acres)	Vegetation Community
SANTA ANA WATERSHED				
<i>Non-Riparian</i>				
Ephemeral	0.0038	1	0.0038	California Annual Grassland
Intermittent	0.0201	1	0.0201	California Annual Grassland
Wetland	0.0677	1	0.0677	Herbaceous Wetland
<i>Non-riparian sub-total</i> ³	<i>0.0916</i>		<i>0.0916</i>	
<i>Riparian</i>				
Ephemeral	0.0035	1	0.0035	Southern Willow Scrub
Wetland	0.0691	1	0.0691	Southern Willow Scrub
Habitat Conversion ²	0.5202	2	1.0403	Herbaceous Wetland/ Mule Fat Scrub
<i>Riparian sub-total</i> ³	<i>0.5927</i>		<i>1.1129</i>	
TOTAL³	0.6843		1.2045	
¹ Impacts and mitigation are based on current engineering data and do not include contingencies for unforeseen impacts as a result of coordination with the construction contractor or changes in existing field conditions. ² Of the 0.52 acre temporarily impacted southern arroyo willow forest at Feature 8-39a-W-4, 0.06 acre will be replaced as herbaceous wetland and 0.46 acre will be replaced as mule fat scrub. The change in habitat type is a result of the restriction placed on the occurrence of woody vegetation within 13.3 feet of the underground facilities. The plant palate for mule fat scrub restoration (refer to Attachment B "Seed Mixes and Container Plants" of the TRTP Segment 7&8 HMMP) includes woody vegetation such as mule fat (<i>Baccharis salicifolia</i>), narrowleaf willow (<i>Salix exigua</i>), and arroyo willow (<i>Salix lasiolepis</i>). Because of the restriction on woody vegetation, 0.20 acre of mule fat scrub nearest the duct bank will include narrowleaf willow in the plant palate but not arroyo willow. Arroyo willow will be included in the mule fat scrub restoration plant palate at distances farther than 35 feet from the edge of the duct bank (totaling 0.26 acre). The change in habitat type is a result of the restriction placed on the occurrence of woody vegetation within 13.3 feet of disturbance associated with underground facilities. Additional vegetation surrounding the herbaceous wetland will be mule fat scrub, comprised of less woody species. ³ May not total due to rounding.				

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Table 4b. Mitigation Ratios and Compensatory Mitigation Proposed for Permanent Impacts to Waters of the U.S. and Wetlands as a Result of the Chino Hills Underground

Watershed and Hydrology Breakdown	Permanent Impacts (Acres)¹	Proposed Mitigation Ratio (X:1)	Proposed Mitigation (Acres)	Vegetation Community
SANTA ANA WATERSHED				
<i>Non-Riparian</i>				
Ephemeral	0.0001	1	0.0001	California Annual Grassland
Intermittent	0.0011	1	0.0011	California Annual Grassland
Wetland	0.0919	2	0.1838	Herbaceous Wetland
<i>Non-riparian sub-total²</i>	<i>0.0931</i>		<i>0.1850</i>	
<i>Riparian</i>				
Ephemeral	0.0265	1	0.0265	Southern Willow Scrub
Wetland	0.1640	2	0.3280	Southern Willow Scrub
<i>Riparian sub-total²</i>	<i>0.1905</i>		<i>0.3545</i>	
TOTAL²	0.2836		0.5395	
¹ Impacts and mitigation are based on current engineering data and do not include contingencies for unforeseen impacts as a result of coordination with the construction contractor or changes in existing field conditions. ² May not total due to rounding.				