

Attachment E

Project Impact Tables

Table 1. Summary of Fill and Excavation, and Temporary and Permanent, Impacts by Feature Type

Table 2. Impact Acreage by Tower Number for Segment 3B

Table 3. Total Impacts to Waters of the U.S. and the State, and Mitigation Requirements for Segment 3B

Attachment E
Project Impact Tables
 (Information Provided by Southern California Edison)

Table 1. Summary of Fill and Excavation, and Temporary and Permanent, Impacts by Feature Type

Jurisdictional Feature Type	Fill/Discharge ¹			Dredge/Excavation ¹			Segment 3B Project		
	Ln. ft.	Acres	Cu. yards	Ln. ft.	Acres	Cu. yards	Permanent (acre)	Temporary (acre)	Total (acre)
Non-Wetland Waters									
Dry Washes	2,819	0.353	241.5	216	0.009	101.7	0.186	0.175	0.362
Streams without Riparian	88	0.002	25	—	—	—	0.001	0.001	0.002
Streams with Riparian	—	—	—	—	—	—	—	—	—
Non-Wetland Waters Subtotal	2,968	0.355	266.5	216	0.009	101.7	0.187	0.176	0.364
Wetlands									
Wetlands	—	0.034	1	—	—	—	0.006	0.029	0.034
Total ²	2,968	0.389	267.5	216	0.009	101.7	0.19	0.20	0.40 ²

Notes,

¹ Assumes McCarthy drains require 1 cubic yards of fill each. All maintenance grading is considered negligible as it only reallocates existing material onsite. Only fill and/or excavation calculated within the actual jurisdictional feature are included.

² Totals represent the sum of column values. May not total due to rounding.

Table 2. Impact Acreage by Tower Number for Segment 3B

Tower/ Construct Number	Associated Components	Non-Wetland Waters (acre)		Wetlands (acre)		Total
		Permanent	Temporary	Permanent	Temporary	
Highwind Substation	Outfall Structures	0.0019	0.0119	—	—	0.0138
8	Permanent tower footings, temporary structure work area, new McCarthy drain; new rip-rap lined channel	0.1018	0.0717	—	—	0.1735
13	Three new McCarthy drains	0.0004	0.0023	—	—	0.0027
16	New access road and two new McCarthy drains	0.0014	0.0019	—	—	0.0033
17	Access road widening, replacement of existing culvert, new McCarthy drain plus maintenance grading	0.002	0.0025	—	—	0.0045
26	New McCarthy drain	0.001	0.0006	—	—	0.0016
27	New McCarthy drain	—	—	0.0058	0.0285	0.0343
31	AC Mitigation - Zinc Ribbon Installation	0	0.0027	—	—	0.0027
33	Permanent O&M area and temporary structure work area; new rip-rap lined channel	0.0195	0.0016	—	—	0.0211
39 - Access Road	Maintenance grading of the existing access road; AC Mitigation	0	0.0021	—	—	0.0021
41 and 42 – Access Road	New McCarthy drain	0.0021	0.0004	—	—	0.0025
44	Access road widening, two new McCarthy drains; structure work area for Construct 44; AC Mitigation: zinc ribbon installation work area; and maintenance grading	0.0033	0.0215	—	—	0.0248
44 – Access Road	Road widening, replace existing culvert, new wet crossing, and new McCarthy drain	0.001	0.0009	—	—	0.0019

Table 2. Continued

Tower/ Construct Number	Associated Components	Non-Wetland Waters (acre)		Wetlands (acre)		Total
		Permanent	Temporary	Permanent	Temporary	
46	Access road widening, new concrete v-ditch and new concrete outlet; gabion retaining wall; new McCarthy drain; New access road and maintenance grading	0.0135	0.0141	—	—	0.0276
48	New McCarthy drain	0.0004	0.0007	—	—	0.0011
49	New McCarthy drain	0.0021	0.0044	—	—	0.0065
51	New McCarthy drain	0.0015	0.0009	—	—	0.0024
53	Maintenance grading of the existing access road	0	0.0079	—	—	0.0079
57	New concrete wet crossing within widened access road, new McCarthy drain	0.0353	0.0282	—	—	0.0635
Total ¹		0.19	0.18	0.01	0.03	0.40 ¹

Notes:

¹ Totals represent the sum of column values. May not total due to rounding.**Table 3. Total Impacts to Waters of the U.S. and the State, and Mitigation Requirements for Segment 3B**

Impacts per Habitat Type	Streambed/Wetland Impacts (acres)		Mitigation Ratios		Total Temp Mitigation (acre)	Total Perm. Mitigation (acre)	Total Mitigation (acre)
	Temp.	Perm.	Temp.	Perm.			
California Annual Grassland	0.0025	0.0021	1:1	1:1	0.0025	0.0021	0.0046
Desert Bunchgrass Grassland	0.0016	0.0195	1:1	1:1	0.0016	0.0195	0.0211
Disturbed/Developed	0.0079	0.0000	None	None	None	None	None
Joshua Tree Woodland	0.0006	0.0001	2:1	2:1	0.0012	0.0002	0.0014
Mojave Desert Wash Scrub	0.0284	0.0356	1:1	1:1	0.0284	0.0356	0.0640
Mojave Mixed Woody Scrub	0.0105	0.0036	1:1	1:1	0.0105	0.0036	0.0141
Mojavean Juniper Woodland and Scrub	0.0179	0.0166	2:1	2:1	0.0358	0.0332	0.0690
Rabbitbrush Scrub	0.0741	0.1047	1:1	1:1	0.0741	0.1047	0.1788
Southern Willow Scrub	0.0293	0.0063	1:1	1:1	0.0293	0.0063	0.0356
Sparsely Vegetated Streambed	0.0149	0.0029	1:1	1:1	0.0149	0.0029	0.0178
Unvegetated (Existing Access Roads)	0.0171	0.0016	None	None	None	None	None

Total ¹	0.20	0.19	--	--	0.20	0.21	0.41
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Notes:

¹ Totals represent the sum of column values. May not total due to rounding.