

Receiving Waters, Impact, and Mitigation Information

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Table 1: Receiving Water(s) Information

Impact Description key:

RI-P: Road Improvement, permanent impacts
RI-T: Road Improvement, temporary impacts
PTS-T: Pulling, Tensioning, Stringing, temporary impacts

SR-P: Spur road, permanent impacts
SR-T: Spur road, temporary impacts
MR-T: Main road, temporary impacts
MR-P: Main road, permanent impacts

G-T: Guard structure, temporary impacts
WL: denotes the impact is to wetlands

Impact Site ID	Tower Location ID and Impact Description	Waterbody Name	Impacted Aquatic Resource Type	Basin Plan hydrologic unit	NHD Hydrologic Unit Code 12 & Name	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant
Los Angeles RWQCB								
1 – Bull Creek	249-2 (PTS) 109 (PTS) <u>Deviations:</u> <u>240-1 (PTS)</u> <u>Monopole 205A (Pole and Geotech work)</u>	Unnamed ephemeral drainages	Stream	180701050208 – Bull Creek	180701050208-Bull Creek	Los Angeles Reservoir, Bull Creek	Existing BUs: MUN, IND, PROC, WARM, WILD, RARE <u>Potential BUs:</u> GWR	N/A

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2 - Lower Bouquet Canyon	55-4 (RI-P, RI-T) 56-4 (PTS-T) 57-2 (RI-P, RI-T) 57-3 (RI-P, RI-T) 57-4 RI-P, RI-T) 57-5 (RI-P, RI-T) 58-2/3-1 (RI-P, RI-T) 58-2/3-1 (RI-P, RI-T) 58-4 (RI-P, RI-T) AP57D-1 (RI-P, RI-T) <u>Castaic-Haskel:</u> <u>Impact 8</u> <u>Impact 9</u> <u>Impact 78</u> <u>Deviations:</u> <u>Access road washout repair and culvert maintenance</u> <u>59-2</u> <u>59-3</u> <u>61-2</u> <u>61-3</u> <u>236-3 Road washout</u> <u>236-3 Access road</u>	Unnamed ephemeral drainage, Drinkwater Flat, Dry Canyon	Stream	180701020201 - Lower Bouquet Canyon	180701020201 - Lower Bouquet Canyon	Dry Canyon Reservoir, Santa Clara River	<u>Existing BUs:</u> MUN, IND, PROC, AGR, WARM, WILD, REC2 <u>Potential BUs:</u> GWR, FRSH, POW, REC1	N/A

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3 – San Francisquito Canyon	48-3 (RI-P, RI-T) 50-3_1 (RI-P, RI-T) 50-3_2 (RI-P, RI-T) 54-2 (RI-P, RI-T) 54-5 (RI-P, RI-T) 55-2 (RI-P, RI-T) 55-5 (RI-T) 56-3 (RI-P, RI-T) AP54A_1 (RI-T) AP54A_2 (RI-P, RI-T) <u>Castaic-Haskel:</u> <u>Impact 7</u> <u>Impact 68</u> <u>Impact 69 (WL)</u> <u>Impact 71</u> <u>Impact 72</u> <u>Impact 77</u> <u>Impact 79</u> <u>Deviations:</u> <u>Double 18" culverts on road b/t 50-1 and 50-2</u> <u>49-5</u> <u>50-1</u> <u>51-2</u> <u>51-4</u> <u>51-6</u> <u>51-7</u> <u>53-2</u> <u>53-5</u> <u>56-1</u> <u>Bee Canyon Geotech work</u> <u>53-2 new Mac Drain</u> <u>53-2 Replace mac drain</u>	San Francisquito Creek, Unnamed ephemeral drainage and unnamed wetland	Stream <u>and wetland</u>	180701020402 - San Francisquito Canyon	180701020402 - San Francisquito Canyon	San Francisquito Creek, Santa Clara River	<u>Existing BUs:</u> WILD, RARE, WET <u>Intermittent BUs:</u> MUN, IND, PROC, AGR, GWR, FRSH, WARM, SPWN, REC1, REC2	N/A

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4 – Elizabeth Lake	45-3 (twr-P, twr-T) 45-4 (twr-P, twr-T) 45-6 (SR-P, SR-T) Deviations: <u>45-1</u> <u>47-1 Riprap</u> <u>45-1 erosion</u> <u>45-3</u>	Unnamed ephemeral drainages	Stream	180701020301 - Elizabeth Lake	180701020301 - Elizabeth Lake	Lake Elizabeth	<u>Existing BUs:</u> WARM, WILD, MIGR, REC1, REC2 <u>Potential BUs:</u> MUN, IND, PROC, AGR, GWR, FRSH	N/A
<u>16 – Castaic Creek (Santa Clara River R5 to Castaic Lake)</u>	<u>Castaic-Haskel:</u> <u>Road Widening 1</u> <u>Road Widening 2</u> <u>Road Widening 3</u> <u>Impacts 25 – 27</u> <u>Impacts 28 – 29 (WL)</u> <u>30 – 32</u> <u>Impacts 33 – 43 (WL)</u> <u>Impact 44</u> <u>Impact 45 (WL)</u> <u>46 – 66</u> <u>Impact 73</u> <u>Impact 74 (WL)</u>	<u>Unnamed ephemeral drainages and wetlands</u>	<u>Stream and Wetland</u>	<u>180701020306</u> = <u>Castaic Creek (Santa Clara River R5 to Castaic Lake)</u>	<u>180701020306 – Lower Castaic Creek</u>	<u>Castaic Creek</u>	<u>Existing BUs:</u> WILD, RARE, REC2 <u>Intermittent BUs:</u> MUN, IND, PROC, AGR, GWR, FRSH, WARM, REC1	<u>N/A</u>
<u>17 – Castaic Lagoon</u>	<u>Castaic-Haskel:</u> <u>Impact 2</u> <u>Impact 4</u> <u>Impact 5</u> <u>Impact 23</u> <u>Impact 24</u> <u>Impact 70</u>	<u>Unnamed ephemeral drainages</u>	<u>Stream</u>	<u>180701020306 – Castaic Lagoon</u>	<u>180701020306 – Lower Castaic Creek</u>	<u>Castaic Lagoon</u>	<u>Existing BUs:</u> MUN, IND, PROC, AGR, GWR, FRSH, WARM, WILD, REC1, REC2	<u>N/A</u>

Impact Site ID	Tower Location ID and Impact Description	Waterbody Name	Impacted Aquatic Resource Type	Basin Plan hydrologic unit	NHD Hydrologic Unit Code 12 & Name	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant
<u>18 – Elderberry Forebay</u>	<u>Castaic-Haskel: Impact 1</u> <u>Impacts 10 – 15</u> <u>Impact 16 (WL)</u> <u>Impacts 17 – 22</u> <u>Impact 75</u> <u>Impact 76</u>	<u>Unnamed ephemeral drainages and wetland</u>	<u>Stream and Wetland</u>	<u>180701020305</u> <u>=</u> <u>Elderberry Forebay</u>	<u>180701020305 – Middle Castaic Creek</u>	<u>Elderberry Forebay</u>	<u>Existing BUs: MUN, IND, PROC, AGR, GWR, FRSH, POW, WARM, WILD, REC1¹, REC2</u>	<u>N/A</u>

¹ Public access to reservoir and its surrounding watershed is prohibited by Los Angeles County Department of Public Works

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Lahontan RWQCB								
5 – Railroad Canyon	42-5 (twr-T) 43-1 (twr-T) 43-2 (SR-P, PTS-T) 43-4 (twr-P, twr-T,G) 43-5 (twr-T) 44-2 (PTS-T) 44-4 (twr-P, twr-T) 44-5 (twr-P, twr-T) <u>Deviations:</u> <u>43-4</u> <u>43-5</u> <u>44-1</u>	Unnamed ephemeral drainage	Stream	626.50 – Lancaster Hydrologic Area	180902061406 - Railroad Canyon (626.50)	Minor surface waters	MUN, AGR, GWR, NAV, REC1, REC2, WARM, WILD	N/A
6 – Tylerhouse Canyon	33-2 (SR-P, twr-T, G-T) <u>Deviations:</u> <u>36-2</u>	Unnamed ephemeral drainage Unnamed ephemeral drainage	Stream Stream	626.50 – Lancaster Hydrologic Area 626.30 – Willow Springs Hydrologic Area	180902061802 – Tylerhorse Canyon	Minor surface waters Minor surface waters	MUN, AGR, GWR, NAV, REC1, REC2, WARM, WILD MUN, AGR, GWR, NAV, REC1, REC2, WARM, WILD	N/A N/A
7 – Bean Canyon	29-5 (twr-P, twr-T) <u>Deviations:</u> <u>WS 22 (28-1 S)</u> <u>28-2</u> <u>28-3</u> <u>WS 21 (28-3 S)</u>				180902061703 – Bean Canyon			

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8 – Tropico Hill	23-4 (twr-P, twr-T, PTS-T) Deviations: <u>Pull Site 23-5 (OPS-10)</u> <u>21-2</u> <u>22-1</u> <u>25-4</u> <u>27-2</u> <u>27-3</u> <u>WS-18 (27-3 S)</u> <u>27-4</u> <u>WS-19 (27-4 S)</u> <u>27-5</u>	Unnamed ephemeral drainage	Stream	626.20 – Gloster Hydrologic Area	180902061705 – Tropico Hill	Minor surface waters	MUN, AGR, GWR, NAV, REC1, REC2, WARM, WILD	N/A
9 – Town of Mojave	14-2 (twr-T) Deviations: <u>14-1</u> <u>14-2</u>	Unnamed ephemeral drainage	Stream	626.10 – Chafee Hydrologic Area	180902062004 – Town of Mojave	Minor surface waters	MUN, AGR, GWR, NAV, REC1, REC2, WARM, WILD	N/A
10 – Joshua Middle School	14-5 (twr-P, twr-T) 15-2 (twr-P, twr-T) 15-3 (twr-T) 15-4 (twr-T) Deviations: <u>15-1</u> <u>15-4</u> <u>16-1</u> <u>17-3</u> <u>WS9A</u> <u>WS9B</u>	Unnamed ephemeral drainage Unnamed ephemeral drainage, Cache Creek	Stream Stream	626.10 – Chafee Hydrologic Area 625.40 – Koehn Hydrologic Area	180902062001 – Joshua Middle School	Minor surface waters Minor surface waters	MUN, AGR, GWR, NAV, REC1, REC2, WARM, WILD MUN, AGR, GWR, NAV, REC1, REC2, WARM, WILD	N/A N/A
11 – Sanborn Hill	12-4 (twr-P, twr-T) 12-6 (twr-P, twr-T) Deviations: <u>12-1</u> <u>12-1 (WS-8)</u> <u>13-4</u> <u>13-5 (WS-9)</u>				180902062003 – Sanborn Hill			

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12 – Brown Butte	12-3 (twr-P, twr-T)	Unnamed ephemeral drainage, Cache Creek	Stream	625.40 – Koehn Hydrologic Area	180902062005 – Brown Butte	Minor surface waters	MUN, AGR, GWR, NAV, REC1, REC2, WARM, WILD	N/A
13 - Desert Butte-Cache Creek	10-4 (twr-P, twr-T) 11-1 (twr-P, twr-T) 11-2 (twr-T) 11-3 (twr-P, MR-P, twr-T, MR-T) 11-4 (twr-P, twr-T) Deviations: <u>11-4 (OPS-5)</u> <u>11-5</u> <u>WS6B</u>				180902060401 – Desert Butte, Cache Creek			

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14 – Barren Ridge	2-4 (twr-P, twr-T) 3-2 (twr-P, twr-T) 3-3 (twr-P, twr-T, PTS-T) 3-4 (twr-T) 4-1 (twr-P, twr-T) 4-3 (twr-P, twr-T, PTS-T) 5-4 (PTS-T) 6-2 (twr-P, twr-T) 6-5 (twr-P, twr-T) 7-2 (twr-T) 8-3 (SR-P) 8-4 (PTS-T) 8-5 (twr-P, twr-T) 9-1 (twr-T) 10-2 (PTS-T) <u>Deviations:</u> <u>Pull Site 5-2 (OPS-1)</u> <u>2-1, 2-3, 2-5</u> <u>3-2 (WS-2), 3-3 (WS 2)</u> <u>access road, 3-4</u> <u>Arizona crossing</u> <u>4-1, 4-5</u> <u>5-1, 5-3, 5-4 (WS-3)</u> <u>6-1, 6-3, 6-4, 6-5</u> <u>7-2, 7-3, 7-4</u> <u>8-2, 8-3, 8-4, 8-3 (OPS-4)</u> <u>9-4</u>				180902060502 – Barren Ridge			
	15 - North Fork Pine Tree Canyon- Pine Tree Canyon	1-2 (twr-P, twr-T) 1-3 (twr-P, twr-T) 1-4 (twr-P, twr-T)			180902060501 – North Fork Pine Tree Canyon- Pine Tree Canyon			

Notes: 1. Aquatic Resource ID is generated by the State Water Board Staff and used for identification in the Receiving Waters and Project Impacts attachments of this Certification and Order.

Table 2: Individual Direct Impact Information

Direct Impact Site ID	Lat.	Long.	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
1 – Bull Creek			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.103 <u>0.468</u>	0	200 <u>665</u>
					Perm	0 <u>0.006</u>	0 <u>106</u>	0 <u>9</u>
2 - Lower Bouquet Canyon			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.374 <u>0.567</u>	0	1275 <u>1,926</u>
					Perm	0.171 <u>0.274</u>	0	690 <u>1,551</u>
3 – San Francisquito Canyon			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.487 <u>1.151</u>	0	1,320 <u>2,797</u>
					Perm	0.145 <u>0.195</u>	0 <u>2</u>	565 <u>1,960</u>
4 – Elizabeth Lake			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.184 <u>0.257</u>	0	405 <u>717</u>
					Perm	0.163 <u>0.225</u>	48 <u>22</u>	715 <u>910</u>
5 – Railroad Canyon			<input type="checkbox"/>	<input type="checkbox"/>	Temp	1.702 <u>1.778</u>	0	1,534 <u>1,774</u>
					Perm	0.102 <u>0.103</u>	72	290 <u>310</u>
6 – Tylerhouse Canyon			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.311 <u>0.37</u>	0	290 <u>435</u>
					Perm	0.050 <u>0.055</u>	0	140 <u>160</u>
7 – Bean Canyon			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.075 <u>0.275</u>	0	205 <u>1,145</u>
					Perm	0.010 <u>0.018</u>	18	35 <u>90</u>
8 – Tropico Hill			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.112 <u>0.243</u>	0	374 <u>1,050</u>
					Perm	0.004 <u>0.022</u>	0	16 <u>157</u>
9 – Town of Mojave			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.177 <u>0.347</u>	0	175 <u>285</u>
					Perm	0	0	0
10 – Joshua Middle School			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.246 <u>0.51</u>	0	635 <u>1,327</u>
					Perm	0.023 <u>0.031</u>	6	95 <u>172</u>
11 – Sanborn Hill			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.864 <u>1.018</u>	0	483 <u>1,020</u>
					Perm	0.138 <u>0.14</u>	32	215 <u>224</u>
12 – Brown Butte			<input type="checkbox"/>	<input type="checkbox"/>	Temp	0.092	0	200
					Perm	0.035	13	120

Direct Impact Site ID	Lat.	Long.	Indirect Impact Requiring Mitigation		Direct Impact Duration	Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet
13 - Desert Butte-Cache Creek			<input type="checkbox"/>	<input type="checkbox"/>	Temp	1.406 1.456	0	1,125 1,458
					Perm	0.329	64	710
14 – Barren Ridge			<input type="checkbox"/>	<input type="checkbox"/>	Temp	3.186 4.835	0	3,055 8,093
					Perm	0.174 0.453	90 722	576 1,389
15 - North Fork Pine Tree Canyon-Pine Tree Canyon			<input type="checkbox"/>	<input type="checkbox"/>	Temp	1.699 1.726	0	600 938
					Perm	0.364 0.367	64	790 845
<u>16 – Castaic Creek (Castaic Lake to Santa Clara River R5)</u>			<input type="checkbox"/>	<input type="checkbox"/>	<u>Temp</u>	<u>0.413</u>	<u>0</u>	<u>1,469</u>
					<u>Perm</u>	<u>0.012</u>	<u>0</u>	<u>62</u>
<u>17 – Castaic Lagoon</u>			<input type="checkbox"/>	<input type="checkbox"/>	<u>Temp</u>	<u>0.042</u>	<u>0</u>	<u>299</u>
					<u>Perm</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>18 – Elderberry Forebay</u>			<input type="checkbox"/>	<input type="checkbox"/>	<u>Temp</u>	<u>0.146</u>	<u>0</u>	<u>513</u>
					<u>Perm</u>	<u>0</u>	<u>0</u>	<u>0</u>