

Table 4-3. Maximum Extent of Permanent Direct Impacts on Natural Communities and Land Cover Types within the Plan Area (acres unless noted otherwise in the first column)

Natural Community/Land Cover Type ¹	Existing in Plan Area	Maximum Acreage Removed by Covered Activities	Percent Remaining in Plan Area with Implementation of Covered Activities
<i>Oak Woodland and Savanna</i>			
Blue Oak Savanna	10,581	1,478	86.0
Blue Oak Woodland	34,735	3,817	89.0
Interior Live Oak Woodland	2,382	513	78.5
Mixed Oak Woodland	44,893	5,517	87.7
<i>Subtotal</i>	<i>92,590</i>	<i>11,324</i>	<i>87.8</i>
<i>Grassland</i>			
Grassland	68,124	7,694	88.7
Grassland with Vernal Swale Complex	34,110	1,391	95.9
<i>Subtotal</i>	<i>102,234</i>	<i>9,084</i>	<i>91.1</i>
<i>Riparian</i>			
Cottonwood Willow Riparian Forest	7,509	27	99.6
Valley Oak Riparian Forest	4,331	46	98.9
Willow Scrub	2,995	11	99.6
Herbaceous Riparian River Bar	1,658	20	98.8
Dredger Tailings with Riparian - Stream	5,490	105	98.1

Dredger Tailings with Riparian – Non-stream	166	136	17.8
<i>Subtotal</i>	<i>22,148</i>	<i>346</i>	<i>98.4</i>
Wetland			
Emergent Wetland	4,440	35	99.2
Managed Seasonal Wetland	2,097	7	99.6
Managed Wetland	25,486	5	100.0
<i>Subtotal</i>	<i>32,024</i>	<i>48</i>	<i>99.9</i>
Aquatic			
Open Water	8,401	0	100.0
Major Canal	1,897	0	100.0
<i>Subtotal</i>	<i>10,298</i>	<i>0</i>	<i>100.0</i>
Pond (no. of ponds)	465	52	88.8
Agriculture³			
Rice ⁴	120,316	1,615	98.7
Irrigated Cropland ⁵	20,413	2,102	89.7
Irrigated Pasture	1,160	105	90.9
<i>Subtotal</i>	<i>141,889</i>	<i>3,822</i>	<i>97.3</i>
Total	401,183	24,624	93.9

Note: Discrepancies in totals are due to rounding.

¹ Impacts on dredger tailings with herbaceous land cover type (250 acres removed), chaparral (389 acres removed), and conifer dominated forest (9 acres removed) land cover types are not shown because they do not support habitat for covered species.

² Includes 80 acres of permanent direct effects on grassland shown in Table 4-2 that are associated with Caltrans roadway construction project borrow sites in the Cascade Foothills and Sierra Foothills CAZs outside of UPAs.

³ Orchard/vineyard (5,216 acres removed) and non-native woodland (7 acres removed) are omitted because they do not provide suitable habitat for covered species.

⁴ Includes 40 acres of permanent direct effects on rice land shown in Table 4-2 that are associated with rerouting existing canals in the Basin CAZ outside of UPAs.

⁵ Includes 20 acres of permanent direct effects on irrigated cropland shown in Table 4-2 that are associated with rerouting existing canals in the Basin CAZ outside of UPAs.

Gray-shaded cells - Values in these cells are less than the total amount of GIS-generated overlap between land cover types and the covered activities effects footprint data layer. These acreage values were adjusted down to reflect the likely level of impact for these specific land cover types due to the likelihood of projects avoiding impacts and are therefore less than the total amount of impact that was generated from the GIS analyses. Covered activities are authorized only to the amount of natural community acreage removal (permanent direct effects) identified in this table and will avoid impacts on the remaining acreage of these land cover types. The GIS footprint of permanent direct effects on grassland with vernal swale complex is 1,939 acres and actual permanent direct effects are 1,390 acres. The GIS footprint of permanent direct effects on cottonwood willow riparian forest is 430 acres and actual permanent direct effects are 27 acres. The GIS footprint of permanent direct effects on valley oak riparian forest is 212 acres and actual permanent direct effects are 46 acres. The GIS footprint of permanent direct effects on willow scrub is 144 acres and actual permanent direct effects are 11 acres. The GIS footprint of permanent direct effects on herbaceous riparian river bar is 31 acres and actual permanent direct effects are 20 acres. The GIS footprint of permanent direct effects on dredger tailings with riparian forest is 596 acres and actual permanent direct effects are 241 acres. The GIS footprint of permanent direct effects on emergent wetland is 81 acres and actual permanent direct effects are 35 acres. The GIS footprint of permanent direct effects on open water is 109 acres and there are no actual permanent direct effects. The GIS footprint of permanent direct effects on major canal is 27 acres and there are no actual permanent direct effects.