

**Table 5-9. Natural Community Conservation and Mitigation Targets for Protection and Restoration (acres unless indicated otherwise in the first column)**

Natural Community/Land Cover type	Protection Target			Restoration Target			Total Plan Area Habitat Protection and Restoration Target <sup>1</sup>
	Conservation	Mitigation	Subtotal	Conservation	Mitigation	Subtotal	
<b>Oak Woodland and Savanna</b>							
Blue oak savanna	1,384	1,478	2,862	0	0	0	2,862
Blue oak woodland	2,056	3,817	5,873	0	0	0	5,873
Live oak woodland and mixed oak woodland	5,727	6,029	11,756	0	0	0	11,756
<i>Subtotal</i>	<i>9,167</i>	<i>11,324</i>	<i>20,491</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>20,491</i>
<b>Grassland</b>							
Grassland	5,747	7,694	13,441	0	0	0	13,441
Grassland with vernal swale complex <sup>2,3</sup>	17,228	4,172	21,400	0	3,060	3,060	21,400
<i>Subtotal</i>	<i>22,975</i>	<i>11,866</i>	<i>34,841</i>	<i>0</i>	<i>3,060</i>	<i>3,060</i>	<i>34,841</i>
<b>Riparian</b>							
Cottonwood-willow riparian forest, valley oak riparian forest, and dredger tailings-stream associated <sup>4</sup>	5,157	493	5,650	0	178	178	5,828
Willow scrub	697	23	720	0	11	11	731
Herbaceous riparian river bar	0	0	0	0	0	0	0
Dredger tailings with riparian - non-stream associated <sup>5</sup>	0	0	0	0	0	0	0
<i>Subtotal</i>	<i>5,854</i>	<i>516</i>	<i>6,370</i>	<i>0</i>	<i>190</i>	<i>190</i>	<i>6,560</i>
<b>Wetland</b>							
Emergent wetland <sup>6</sup>	660	35	695	0	126	126	821
Giant garter snake habitat <sup>7</sup>	0	0	0	500	0	500	500
Managed seasonal wetland	0	0	0	0	0	0	0
Managed wetland <sup>8</sup>	0	0	0	0	0	0	0
<i>Subtotal</i>	<i>660</i>	<i>35</i>	<i>695</i>	<i>500</i>	<i>126</i>	<i>626</i>	<i>1,321</i>
<b>Aquatic</b>							
Open water – non-stream channel	0	0	0	0	0	0	0
Open water – perennial stream channel(miles)	40	0	40	0	0	0	40
Open water – perennial stream channel(acreage equivalent)	242	0	242	0	0	0	242
Open water – intermittent stream channel(miles)	12	0	12	0	0	0	12
Major canal	0	0	0	0	0	0	0
Ponds (number) <sup>9</sup>	28	52	80	0	0	0	80
<b>Agricultural Lands</b>							
Rice	20,000	3,182	23,182	0	0	0	23,182
Irrigated pasture and irrigated cropland	0	3,780	3,780	0	0	0	3,780
<i>Subtotal</i>	<i>20,000</i>	<i>6,962</i>	<i>26,962</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>26,962</i>
<b>Total<sup>3</sup></b>	<b>58,899</b>	<b>30,702</b>	<b>89,601</b>	<b>500</b>	<b>316</b>	<b>816</b>	<b>90,417</b>

**Note:** Discrepancies in mitigation acreage totals from Table 5-12 are due rounding.

<sup>1</sup>See Table 5-5 for combined conservation and mitigation protection targets by CAZ.

<sup>2</sup>The restoration acreage is based on an estimate of the total land area necessary to restore 306 acres of vernal pools and other seasonal wetlands at 10 percent cover. See Tables 5-7 and 5-12 for vernal pool and other seasonal wetland mitigation requirements and impact estimates. This 3,060 acres is assumed to occur within the 13,441 acres of protected grassland, although it could also occur on additional agricultural lands acquired for this purpose.

<sup>3</sup>The total protection and restoration target does not include the 3,060 acres of restored vernal pools and other seasonal wetlands in grasslands because this restoration is assumed to occur within the 13,441 acres of protected grassland.

<sup>4</sup>Includes protection of 53 acres of cottonwood-will riparian forest and 93 acres of valley oak riparian forest. The remaining 347 acres of protection mitigation may be comprised of any combination of dredger tailings with riparian (stream associated), cottonwood willow riparian forest, or valley oak riparian forest land cover types to mitigate impacts on dredger tailings with riparian – stream associated and dredger tailings with riparian – not stream associated (see Table 5-12).

<sup>5</sup>This mitigation is included in protection of cottonwood-willow, valley oak, and dredger tailings with riparian-stream associated riparian habitat.

<sup>6</sup>This acreage mitigates for the loss of 35 acres of emergent wetland (at a 2 to 1 ratio), an estimated 79 acres of jurisdictional wetlands within rice (at a 0.5 to 1 ratio), 22 of acres of jurisdictional wetlands within irrigated cropland/pasture (at a 0.5 to 1 ratio), and up to 5 acres of managed wetland. Because managed wetland may be mitigated through restoration of emergent wetland or managed wetland (*seemanaged wetland* in Table 5-10), the total restored emergent wetland could range from 121 acres to 126 acres depending on how much, if any, impacts on managed wetland are mitigated through restoration of managed wetland.

<sup>7</sup>Restored giant garter snake habitat is a specific type of the managed wetland natural community that will be designed and managed specifically to support giant garter snake habitat. It is comprised of a mosaic of restored emergent wetland, open water, and upland land cover types that collectively support all of its life history requirements. Protection of giant garter snake habitat is included in the protection of emergent wetland, managed wetland, willow, irrigated cropland, irrigated pasture, and rice acreage (conservation and mitigation).

<sup>8</sup>Less than 5 acres may be restored if impacts on managed wetland are mitigated with restoration of emergent wetland.

<sup>9</sup>The creation of ponds may be substituted on a per unit basis for the protection of ponds if deemed more feasible.