

**Table 5–21e. Expected Extent of Conserved Covered Species Habitat Types in the Southern Orchards CAZ with BRCP Implementation (acres unless otherwise noted in the first column)<sup>1</sup>**

Covered Species Modeled Habitat Type/Occurrences	Total	Total Removed <sup>2</sup>	Total Existing Protected <sup>3</sup> (a)	Other PEHL <sup>4</sup>	Percent Existing Protected	Impact Overlapping with Existing Protected <sup>5</sup> (b)	BRCP Protected (c)	BRCP Restored (d)	Total Conserved with BRCP Implementation (=a-b+c+d)	Percent Conserved with BRCP Implementation
<b>Tricolored Blackbird</b>										
Breeding and Foraging Habitat	9,854	2,637	0	513	0.0%	0	3,430	0	3,430	47.5%
<b>Yellow-breasted Chat</b>										
Nesting and Foraging Habitat	0	0	0	0	Not applicable	0	0	0	0	Not applicable
Nesting and Foraging Habitat (Known Use Area)	0	0	0	0	Not applicable	0	0	0	0	Not applicable
Subtotal	0	0	0	0	Not applicable	0	0	0	0	Not applicable
<b>Bank Swallow</b>										
Nesting Habitat (linear miles)	29.5	0.0	0.0	5.1	0.0%	0.0	0.0	0.0	0	0.0%
<b>Western Burrowing Owl</b>										
Nesting and Foraging Habitat	6,744	1,649	0	0	0.0%	0	1,380	0	1,380	27.1%
<b>Western Yellow-billed Cuckoo</b>										
Nesting Habitat	1,125	8	8	539	0.7%	0	475	Not applicable	Not applicable	Not applicable
<b>Greater Sandhill Crane</b>										
Winter Roosting and Foraging Habitat	3,052	1,063	0	0	0.0%	0	0	0	0	0.0%
Traditional Upland Use Area	0	0	0	0	Not applicable	0	0	0	0	Not applicable
Subtotal	3,052	1,063	0	0	0.0%	0	0	0	0	0.0%
California Black Rail	Not applicable <sup>6</sup>	0 <sup>7</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	– <sup>8</sup>	0	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>
<b>American Peregrine Falcon</b>										
Nesting Habitat	0	0	0	0	Not applicable	0	0	0	0	Not applicable

Foraging Habitat (Year-round and Seasonal)	4,556	1,072	0	885	0.0%	0	960	0	960	27.6%
<i>Subtotal</i>	<i>4,556</i>	<i>1,072</i>	<i>0</i>	<i>885</i>	<i>0.0%</i>	<i>0</i>	<i>960</i>	<i>0</i>	<i>960</i>	<i>27.6%</i>
<b>Swainson's Hawk</b>										
Nesting Habitat	1,719	15	13	846	0.8%	0	590	15	619	36.0%
Nesting and Foraging Habitat	0	0	0	0	Not applicable	0	0	0	0	Not applicable
Foraging Habitat	6,714	1,646	0	0	0.0%	0	430	0	430	8.5%
<i>Subtotal</i>	<i>8,432</i>	<i>1,662</i>	<i>13</i>	<i>846</i>	<i>0.2%</i>	<i>0</i>	<i>1,020</i>	<i>15</i>	<i>1,049</i>	<i>15.5%</i>
<b>White-tailed Kite</b>										
Nesting Habitat	1,686	15	13	843	0.8%	0	415	0	428	25.6%
Year-round Foraging Habitat	8,805	2,637	0	0	0.0%	0	3,010	0	3,010	48.8%
Breeding Season Foraging Habitat	961	72	0	0	0.0%	0	480	0	480	54.0%
<i>Subtotal</i>	<i>11,452</i>	<i>2,725</i>	<i>13</i>	<i>843</i>	<i>0.1%</i>	<i>0</i>	<i>3,905</i>	<i>0</i>	<i>3,918</i>	<i>44.9%</i>
<b>Bald Eagle</b>										
Nesting Habitat	1,642	13	13	825	0.8%	0	630	0	643	39.5%
Year-round Foraging Habitat	567	0	0	77	0.0%	0	0	0	0	0.0%
Seasonal Foraging Habitat	3,052	1,063	0	0	0.0%	0	915	0	915	46.0%
<i>Subtotal</i>	<i>5,261</i>	<i>1,075</i>	<i>13</i>	<i>901</i>	<i>0.3%</i>	<i>0</i>	<i>1,545</i>	<i>0</i>	<i>1,558</i>	<i>37.2%</i>
<b>Giant Garter Snake</b>										
Breeding and Movement Habitat: Rice	3,052	1,063	0	0	0.0%	0	0	0	0	0.0%
Breeding and Movement Habitat: Managed and Emergent Wetlands, Willow Scrub	933	21	4	589	0.5%	0	0	0	4	0.5%
Breeding and Movement Habitat: Adjoining Cropland	4,498	1,424	0	0	0.0%	0	0	0	0	0.0%
<i>Subtotal</i>	<i>8,484</i>	<i>2,508</i>	<i>4</i>	<i>589</i>	<i>0.1%</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>4</i>	<i>0.1%</i>
<b>Blainville's Horned Lizard</b>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	- <sup>8</sup>	0	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>
<b>Western Pond Turtle</b>										
Aquatic Habitat	680	6	0	592	0.0%	0	0	0	0	0.0%
Nesting and Movement Habitat	334	16	0	10	0.0%	0	155	0	155	48.8%
Aquatic, Nesting and Movement Habitat	0	0	0	0	Not applicable	0	0	0	0	Not applicable

<i>Subtotal (acreage)</i>	1,014	22	0	602	0.0%	0	155	0	155	15.6%
Aquatic Habitat (no. of ponds)	0	0	0	0	Not applicable	0	Not applicable <sup>9</sup>	0	Not applicable	Not applicable
Aquatic Habitat-perennial streams (linear miles)	0.0	0.0	0.0	0.0	0.0%	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
<b>Foothill Yellow-legged Frog</b>										
Habitat - within 130ft of Perennial Streams	0	0	0	0	Not applicable	0	0	0	0	Not applicable
Habitat - within 130ft of Intermittent Streams	0	0	0	0	Not applicable	0	0	0	0	Not applicable
<i>Subtotal</i>	0	0	0	0	Not applicable	0	0	0	0	Not applicable
<b>Western Spadefoot Toad</b>										
Breeding Habitat	6	0	0	0	0.0%	0	0	0	0	0.0%
Breeding and Upland Habitat	2	0	0	0	0.0%	0	0	0	0	0.0%
Upland Habitat	331	33	0	0	0.0%	0	0	0	0	0.0%
<i>Subtotal (acreage)</i>	339	33	0	0	0.0%	0	0	0	0	0.0%
Breeding Habitat (no. of ponds)	0	0	0	0	Not applicable	0	Not applicable <sup>9</sup>	0	Not applicable	Not applicable
Breeding Habitat-perennial/intermittent streams (linear miles)	0.3	0.0	0.0	0.0	Not applicable	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
<b>Central Valley Steelhead</b>										
Adult migration; juvenile rearing and migration habitat (linear miles)	13.8	0.0	0.0	1.2	0.0%	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
Adult spawning and migration; juvenile rearing and migration habitat (linear miles)	0.0	0.0	0.0	0.0	Not applicable	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
Non-natal juvenile rearing habitat (linear miles)	0.0	0.0	0.0	0.0	Not applicable	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable

<i>Subtotal</i>	13.8	0.0	0.0	1.2	0.0%	0.0	<i>Not applicable</i> <sup>9</sup>	0.0	<i>Not applicable</i>	<i>Not applicable</i>
<b>Central Valley Spring-run Chinook Salmon</b>										
Adult migration; juvenile rearing and migration habitat (linear miles)	13.8	0.0	0.0	1.2	0.0%	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
Adult spawning and migration; juvenile rearing and migration habitat (linear miles)	0.0	0.0	0.0	0.0	Not applicable	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
Non-natal juvenile rearing habitat (linear miles)	0.0	0.0	0.0	0.0	Not applicable	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
<i>Subtotal</i>	13.8	0.0	0.0	1.2	0.0%	0.0	<i>Not applicable</i> <sup>9</sup>	0.0	<i>Not applicable</i>	<i>Not applicable</i>
<b>Central Valley Fall/Late Fall-run Chinook Salmon</b>										
Adult migration; juvenile rearing and migration habitat (linear miles)	0.0	0.0	0.0	0.0	Not applicable	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
Adult spawning and migration; juvenile rearing and migration habitat (linear miles)	13.8	0.0	0.0	1.2	0.0%	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
Non-natal juvenile rearing habitat (linear miles)	0.0	0.0	0.0	0.0	Not applicable	0.0	Not applicable <sup>9</sup>	0.0	Not applicable	Not applicable
<i>Subtotal</i>	13.8	0.0	0.0	1.2	0.0%	0.0	<i>Not applicable</i> <sup>9</sup>	0.0	<i>Not applicable</i>	<i>Not applicable</i>
<b>Sacramento Splittail</b>										
Rearing, migration, and potential spawning habitat (linear miles)	13.7	0.0	0.0	1.2	0.0%	0.0	0.0	0.0	0	0.0%
<b>Green Sturgeon</b>										
Adult migration and spawning; juvenile migration and rearing habitat (linear miles)	0.0	0.0	0.0	0.0	Not applicable	0.0	0.0	0.0	0	Not applicable
Adult migration; juvenile migration and rearing habitat (linear miles)	0.0	0.0	0.0	0.0	Not applicable	0.0	0.0	0.0	0	Not applicable

Adult migration and potential spawning habitat (linear miles)	13.8	0.0	0.0	1.2	Not applicable	0.0	0.0	0.0	0	Not applicable
<i>Subtotal</i>	<i>13.8</i>	<i>0.0</i>	<i>0.0</i>	<i>1.2</i>	<i>0.0%</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0</i>	<i>0.0%</i>
<b>River Lamprey</b>										
Spawning, rearing, and migration habitat (linear miles)	13.8	0.0	0.0	1.2	0.0%	0.0	0.0	0.0	0	0.0%
<b>Valley Elderberry Longhorn Beetle</b>										
Habitat	1,788	19	13	846	0.8%	0	445	24	482	26.9%
<b>Vernal Pool Tadpole Shrimp</b>										
Habitat	2	0	0	0	0.0%	0	0	Not applicable <sup>10</sup>	Not applicable	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	0	0	0	Not applicable
<b>Conservancy Fairy Shrimp</b>										
Habitat	Not applicable <sup>6</sup>	0 <sup>7</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	Not applicable <sup>6</sup>	0	0	0	Not applicable <sup>6</sup>
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	Not applicable <sup>12</sup>	Not applicable	Not applicable
<b>Vernal Pool Fairy Shrimp</b>										
Habitat	2	0	0	0	0.0%	0	0	Not applicable <sup>10</sup>	Not applicable	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	0	0	Not applicable	Not applicable
<b>Ferris' Milkvetch</b>										
Habitat	12	0	0	0	0.0%	0	0	0	Not applicable	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	0	Not applicable	Not applicable
<b>Lesser Saltscale<sup>6</sup></b>										
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	0	Not applicable	Not applicable

<b>Hoover's Spurge</b>										
Habitat	2	0	0	0	0.0%	0	0	Not applicable <sup>10</sup>	Not applicable	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	Not applicable <sup>12</sup>	Not applicable	Not applicable
<b>Ahart's Dwarf Rush</b>										
Habitat	2	0	0	0	0.0%	0	0	Not applicable <sup>10</sup>	Not applicable	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	Not applicable <sup>12</sup>	Not applicable	Not applicable
<b>Red Bluff Dwarf Rush</b>										
Habitat	2	0	0	0	0.0%	0	0	0	Not applicable	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	0	0	Not applicable	Not applicable
<b>Butte County Meadowfoam</b>										
						Not applicable <sup>13</sup>				
<b>Veiny Monardella<sup>6</sup></b>										
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	0	Not applicable	Not applicable
<b>Hairy Orcutt Grass</b>										
Habitat	2	0	0	0	0.0%	0	0	Not applicable <sup>10</sup>	Not applicable	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	Not applicable <sup>12</sup>	Not applicable	Not applicable
<b>Slender Orcutt Grass</b>										
Habitat	2	0	0	0	0.0%	0	0	Not applicable <sup>10</sup>	Not applicable	Not applicable

No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	Not applicable <sup>12</sup>	Not applicable	Not applicable
<b>Ahart's Paronychia</b>										
Habitat	2	0	0	0	0.0%	0	0	0	Not applicable	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	0	Not applicable	Not applicable
<b>California Beaked-rush<sup>6</sup></b>										
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	0	Not applicable	Not applicable
<b>Butte County Checkerbloom</b>										
Habitat	0	0	0	0	Not applicable	0	0	0	0	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	0	0	Not applicable	Not applicable
<b>Butte County Golden Clover</b>										
Habitat	0	0	0	0	Not applicable	0	0	0	0	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	0	Not applicable	Not applicable
<b>Greene's Tuctoria</b>										
Habitat	2	0	0	0	0.0%	0	0	Not applicable <sup>10</sup>	Not applicable	Not applicable
No. of Occurrences	0	0	0	0	Not applicable	0	Not applicable <sup>11</sup>	Not applicable <sup>12</sup>	Not applicable	Not applicable

<sup>1</sup>Discrepancies in totals are due to rounding.

<sup>2</sup>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 allowable level of impact for these specific land cover types and are therefore less than the total amount of impact that would be generated from GIS analyses. Covered activities will avoid impacts on the remaining extent of these land cover types.

<sup>3</sup>Comprised of existing Category 1 lands as described in Section 5.2.3.6.

<sup>4</sup>PEHL=Public and Easement Habitat Land. Other PEHL is comprised of Category 2 lands as described in Section 5.2.3.6.

<sup>5</sup>GIS overlay impact assessment incorrectly indicates an impact on existing protected lands. Areas include 3 new bridge construction locations along Orphir Rd north of Llano Seco Ranch, a bridge replacement project within Vina Plains along Cana Pine Creek Rd, a portion of the Oroville Wildlife Area associated with the SR70 widening project, and a portion of land along the west bank of the Thermalito Afterbay associated with the SR99 widening project. During implementation of the covered activities, impacts are expected to be avoided. Consequently, the total conserved with BRCP implementation is greater by this acreage. This correction does not change the overall allowable impact limit for natural communities.

<sup>6</sup>A habitat model is not available for this species and, consequently, the acreage of its habitat in the Plan Area is not estimated.

<sup>7</sup>The covered activities must avoid removal of habitat occupied by this species.

<sup>8</sup>Up to 5 patches of occupied habitat will be protected under the BRCP. The extent of suitable habitat that is protected will depend on the acreage in each patch of occupied habitat.

<sup>9</sup>May be protected in any CAZ.

10A total of 38 acres of vernal pools will be restored. Restoration of vernal pools are not apportioned by CAZ.

<sup>11</sup>Currently unknown occurrences if discovered may be protected in this CAZ. See occurrence protection objectives for this species in Section 5.3.2.3.

<sup>10</sup>The habitat protection target for this species may be fulfilled in either the Cascade Foothill or Northern Orchards CAZs. See Table 5-21a for the Plan Area-wide conservation provided.

<sup>11</sup>Up to 5 currently unknown occurrences if discovered during implementation will also be protected. Protection of newly discovered occurrences are not apportioned by CAZ.

<sup>12</sup>At least 2 occurrences of this species will be restored. Restoration is not apportioned by CAZ.

<sup>13</sup>See the Butte County meadowfoam species account in Appendix A, Table 5-18, 5-19, and 5-22 for habitat extent and occurrence locations, status, and outcomes by population grouping.