

Table 5–21a. Expected Extent of Conserved Covered Species Habitat Types in the Plan Area with BRCP Implementation (acres unless otherwise noted in the first column)¹

Covered Species Modeled Habitat Type/Occurrences	Total	Total Removed ²	Total Existing Protected ³ (a)	Other PEHL ⁴	Percent Existing Protected	Impact Overlapping with Existing Protected ⁵ (b)	BRCP Protected (c)	BRCP Restored (d)	Total Conserved with BRCP Implementation (=a-b+c+d)	Percent Conserved with BRCP Implementation
Tricolored Blackbird										
Breeding and Foraging Habitat	268,666	12,617	44,382	3,320	16.5%	7	48,411	0	92,786	34.5%
Yellow-breasted Chat										
Nesting and Foraging Habitat	6,972	278	354	519	5.1%	0	2,835	144	3,333	47.8%
Nesting and Foraging Habitat (Known U)	302	0	0	68	0.0%	0	185	0	185	61.2%
<i>Subtotal</i>	<i>7,275</i>	<i>278</i>	<i>354</i>	<i>587</i>	<i>4.9%</i>	<i>0</i>	<i>3,020</i>	<i>144</i>	<i>3,518</i>	<i>48.4%</i>
Bank Swallow										
Nesting Habitat (linear miles)	169.0	0.0	15.2	35.7	9.0%	0.0	20.0	0.0	35.2	20.8%
Western Burrowing Owl										
Nesting and Foraging Habitat	165,511	14,496	43,097	3,683	26.0%	11	36,388	0	79,475	48.0%
Western Yellow-billed Cuckoo										
Nesting Habitat	5,620	50	927	2,135	16.5%	0	1,785	50	2,762	49.1%
Greater Sandhill Crane										
Winter Roosting and Foraging Habitat	147,880	1,627	26,991	0	18.3%	8	21,660	0	48,642	32.9%
Traditional Upland Use Area	2,814	137	31	0	1.1%	0	500	0	531	18.9%
<i>Subtotal</i>	<i>150,694</i>	<i>1,764</i>	<i>27,022</i>	<i>0</i>	<i>17.9%</i>	<i>8</i>	<i>22,160</i>	<i>0</i>	<i>49,174</i>	<i>32.6%</i>
California Black Rail	Not applicable ⁶	0 ⁷	Not applicable ⁶	Not applicable ⁶	Not applicable ⁶	Not applicable ⁶	– ⁸	0	Not applicable ⁶	Not applicable ⁶
American Peregrine Falcon										
Nesting Habitat	64	0	7	10	10.3%	0	35	0	42	65.3%
Foraging Habitat (Year-round and Seasonal)	194,860	3,759	36,731	3,721	18.8%	9	29,157	0	65,879	33.8%
<i>Subtotal</i>	<i>194,924</i>	<i>3,759</i>	<i>36,737</i>	<i>3,731</i>	<i>18.8%</i>	<i>9</i>	<i>29,192</i>	<i>0</i>	<i>65,921</i>	<i>33.8%</i>
Swainson's Hawk										
Nesting Habitat	17,358	315	3,393	3,690	19.5%	2	4,325	178	7,893	45.5%
Nesting and Foraging Habitat	2,565	557	104	1	4.0%	0	800	0	904	35.2%
Foraging Habitat	130,239	10,441	40,374	2,649	31.0%	11	17,880	0	58,243	44.7%
<i>Subtotal</i>	<i>150,163</i>	<i>11,312</i>	<i>43,870</i>	<i>6,340</i>	<i>29.2%</i>	<i>13</i>	<i>23,005</i>	<i>178</i>	<i>67,040</i>	<i>44.6%</i>
White-tailed Kite										
Nesting Habitat	32,571	2,598	3,241	4,091	9.9%	2	5,725	0	8,963	27.5%
Year-round Foraging Habitat	177,224	6,599	27,330	1,093	15.4%	8	24,880	0	52,202	29.5%
Breeding Season Foraging Habitat	94,526	6,986	17,673	1,818	18.7%	3	25,636	0	43,306	45.8%
<i>Subtotal</i>	<i>304,321</i>	<i>16,183</i>	<i>48,244</i>	<i>7,003</i>	<i>15.9%</i>	<i>13</i>	<i>56,241</i>	<i>0</i>	<i>104,471</i>	<i>34.3%</i>
Bald Eagle										
Nesting Habitat	23,827	2,708	1,584	5,863	6.6%	0	4,435	0	6,019	25.3%
Year-round Foraging Habitat	7,411	0	3,507	2,019	47.3%	0	0	0	3,506	47.3%
Seasonal Foraging Habitat	182,018	3,570	31,278	778	17.2%	8	21,195	0	52,465	28.8%
<i>Subtotal</i>	<i>213,256</i>	<i>6,277</i>	<i>36,369</i>	<i>8,661</i>	<i>17.1%</i>	<i>9</i>	<i>25,630</i>	<i>0</i>	<i>61,991</i>	<i>29.1%</i>
Giant Garter Snake										

Breeding and Movement Habitat: Rice	120,225	1,567	2,198	0	1.8%	1	23,182	0	25,380	21.1%
Breeding and Movement Habitat: Managed and Emergent Wetlands, Willow Scrub	32,883	54	25,255	658	76.8%	4	585	500	26,337	80.1%
Breeding and Movement Habitat: Adjoining Cropland	14,008	1,573	5,211	0	37.2%	1	3,780	0	8,990	64.2%
<i>Subtotal</i>	<i>167,116</i>	<i>3,194</i>	<i>32,664</i>	<i>659</i>	<i>19.5%</i>	<i>5</i>	<i>27,547</i>	<i>500</i>	<i>60,706</i>	<i>36.3%</i>
Blainville's Horned Lizard	Not applicable ⁶	Not applicable ⁶	Not applicable ⁶	Not applicable ⁶	Not applicable ⁶	Not applicable ⁶	- ⁸	0	Not applicable ⁶	Not applicable ⁶
Western Pond Turtle										
Aquatic Habitat: Emergent Wetland	4,440	35	1,760	676	39.6%	0	695	0	2,455	55.3%
Nesting and Movement Habitat and Aquatic, Nesting and Movement Habitat	80,702	4,571	30,634	2,397	38.0%	5	10,270	0	40,899	50.7%
<i>Subtotal (acreage)</i>	<i>85,142</i>	<i>4,606</i>	<i>32,394</i>	<i>3,073</i>	<i>38.0%</i>	<i>5</i>	<i>10,965</i>	<i>0</i>	<i>43,354</i>	<i>50.9%</i>
Aquatic Habitat-pond (no. of ponds)	204	24	13	3	6.4%	0	43	0	56	27.5%
Aquatic Habitat-perennial streams (linear miles)	110.9	5.3	12.6	5.1	11.4%	0.0	20.0	0.0	32.6	29.4%
Foothill Yellow-legged Frog										
Habitat - within 130ft of Perennial Streams	2,113	326	25	149	1.2%	0	825	0	850	40.2%
Habitat - within 130ft of Intermittent Streams	8,918	863	618	78	6.9%	0	1,200	0	1,818	20.4%
<i>Subtotal</i>	<i>11,031</i>	<i>1,189</i>	<i>643</i>	<i>226</i>	<i>5.8%</i>	<i>0</i>	<i>2,025</i>	<i>0</i>	<i>2,668</i>	<i>24.2%</i>
Western Spadefoot Toad										
Breeding Habitat: Non-pond	2,211	46	962	8	43.5%	0	225	46	1,233	55.8%
Breeding and Upland Habitat	34,241	1,963	4,298	784	12.6%	0	20,770	0	25,068	73.2%
Upland Habitat	71,512	8,133	7,456	2,239	10.4%	2	9,680	0	17,134	24.0%
<i>Subtotal (acreage)</i>	<i>107,963</i>	<i>10,142</i>	<i>12,716</i>	<i>3,031</i>	<i>11.8%</i>	<i>2</i>	<i>30,675</i>	<i>46</i>	<i>43,435</i>	<i>40.2%</i>
Breeding Habitat (no. of ponds)	195	22	13	3	6.7%	0	31	0	44	22.6%
Breeding Habitat-perennial/intermittent streams (linear miles)	380.2	31.5	44.8	9.8	11.8%	0.0	40.0	0.0	84.8	22.3%
Central Valley Steelhead										
Adult migration; juvenile rearing and migration habitat (linear miles) and adult spawning and migration; juvenile rearing and migration habitat	190.4	0.0	23.5	26.9	12.3%	0.0	20.0	0 ⁹	43.4	22.8%
Non-natal juvenile rearing habitat (linear miles)	6.7	0.0	0.1	0.0	0.9%	0.0	0.0	0 ⁹	0.1	0.9%
<i>Subtotal</i>	<i>197.1</i>	<i>0.0</i>	<i>23.5</i>	<i>26.9</i>	<i>11.9%</i>	<i>0.0</i>	<i>20.0</i>	<i>0.0</i>	<i>43.5</i>	<i>22.1%</i>
Central Valley Spring-run Chinook Salmon										
Adult migration; juvenile rearing and migration habitat (linear miles) and adult spawning and migration; juvenile rearing and migration habitat	117.9	0.0	10.3	24.2	8.7%	0.0	20.0	0 ⁹	30.3	25.7%
Non-natal juvenile rearing habitat (linear miles)	33.0	0.0	2.1	0.5	6.4%	0.0	0.0	0 ⁹	3.1	9.4%

<i>Subtotal</i>	151.0	0.0	12.4	24.7	8.2%	0.0	20.0	0.0	32.4	21.4%
Central Valley Fall/Late Fall-run Chinook Salmon										
Adult migration; juvenile rearing and migration habitat (linear miles) and adult spawning and migration; juvenile rearing and migration habitat	146.4	0.0	18.6	18.4	12.7%	0.0	20.0	0 ⁹	38.6	26.3%
Non-natal juvenile rearing habitat (linear miles)	5.4	0.0	0.0	0.0	0.0%	0.0	0.0	0 ⁹	0.0	0.0%
<i>Subtotal</i>	151.8	0.0	18.6	18.5	12.2%	0.0	20.0	0.0	38.6	25.4%
Sacramento Splittail										
Rearing, migration, and potential spawning habitat (linear miles)	43.3	0.0	3.4	1.2	7.8%	0.0	0.0	0.0	3.4	7.8%
Green Sturgeon										
Adult migration and spawning; juvenile migration and rearing habitat (linear miles)	9.1	0.0	0.3	0.0	3.0%	0.0	0.0	0.0	0.3	3.0%
Adult migration; juvenile migration and rearing habitat (linear miles)	20.1	0.0	3.1	0.0	15.5%	0.0	0.0	0.0	3.1	15.5%
Adult migration and potential spawning habitat (linear miles)	22.0	0.0	0.0	6.1	0.1%	0.0	0.0	0.0	0.0	0.1%
<i>Subtotal</i>	51.2	0.0	3.4	6.2	6.6%	0.0	0.0	0.0	3.4	6.6%
River Lamprey										
Spawning, rearing, and migration habitat (linear miles)	51.2	0.0	3.4	6.2	6.6%	0.0	0.0	0.0	3.4	6.6%
Valley Elderberry Longhorn Beetle										
Habitat	42,951	2,280	5,979	4,205	13.9%	3	8,282	0	14,258	33.2%
Vernal Pool Tadpole Shrimp										
Habitat	34,241	1,422	4,298	784	12.6%	0	21,400	38	25,736	75.2%
No. of Occurrences	17	3	3	2	17.6%	0	0	0	3	17.6%
Conservancy Fairy Shrimp										
Habitat	Not applicable ⁶	0 ⁷	Not applicable ⁶	Not applicable ⁶	Not applicable ⁶	Not applicable ⁶	150 ¹⁰	0	0	Not applicable ⁶
No. of Occurrences	3	0	0	0	0.0%	0	3 ¹¹	0	3	100.0%
Vernal Pool Fairy Shrimp										
Habitat	34,241	1,422	4,298	784	12.6%	0	21,400	38	25,736	75.2%
No. of Occurrences	29	17	3	0	10.3%	0	0	0	3	10.3%
Ferris' Milkvetch										
Habitat	2,208	176	799	109	36.2%	0	650	0	1,449	65.6%
No. of Occurrences	8	0	5	0	Not applicable	0	0 ¹¹	0	0	NA
Lesser Saltscale¹²										
No. of Occurrences	2	0	2	0	100.0%	0	0 ¹¹	0	2	100.0%
Hoover's Spurge										
Habitat	34,241	1,422	4,298	784	12.6%	0	21,400	38	25,736	75.2%
No. of Occurrences	4	0	3	0	75.0%	0	1 ¹³	0	4	100.0%
Ahart's Dwarf Rush										
Habitat	34,241	1,422	4,298	784	12.6%	0	21,400	38	25,736	75.2%
No. of Occurrences	17	0	2	0	11.8%	0	15 ¹¹	0	17	100.0%
Red Bluff Dwarf Rush										
Habitat	34,241	1,422	4,298	784	12.6%	0.04415044	21,400	0	25,698	75.1%

No. of Occurrences	32	1	14	1	43.8%	0	10	0	24	75.0%
Butte County Meadowfoam						Not applicable ¹⁴				
Veiny Monardella										
No. of Occurrences	8	0	0	0	0.0%	0	8 ¹⁵	0	8	100.0%
Hairy Orcutt Grass										
Habitat	34,241	1,422	4,298	784	12.6%	0	21,400	38	25,736	75.2%
No. of Occurrences	1	0	1	0	100.0%	0	0 ¹⁵	0	1	100.0%
Slender Orcutt Grass										
Habitat	34,241	1,422	4,298	784	12.6%	0	21,400	38	25,736	75.2%
No. of Occurrences	2	0	0	0	0.0%	0	2 ¹⁵	0	2	100.0%
Ahart's Paronychia										
Habitat	34,241	1,422	4,298	784	12.6%	0	21,400	0	25,698	75.1%
No. of Occurrences	5	0	0	2	0.0%	0	4 ¹¹	0	4	80.0%
California Beaked-rush¹²										
No. of Occurrences	7	0	0	5	0.0%	0	7 ¹¹	0	7	100.0%
Butte County Checkerbloom										
Habitat	36,823	2,638	2,398	2,270	6.5%	0	3,000	0	5,398	14.7%
No. of Occurrences	127	8	0	67	0.0%	0	65	0	65	51.2%
Butte County Golden Clover										
Habitat	14,998	236	4,437	137	29.6%	0	3,700	0	8,137	54.3%
No. of Occurrences	18	0	13	1	72.2%	0	3 ¹¹	0	16	88.9%
Greene's Tuctoria										
Habitat	34,241	1,422	4,298	784	12.6%	0	21,400	38	25,736	75.2%
No. of Occurrences	5	0	2	0	40.0%	0	2 ¹³	0	4	80.0%

¹Discrepancies in totals are due to rounding.

²Gray-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.

³Comprised of existing Category 1 lands as described in Section 5.2.3.6.

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

⁵GIS 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.

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

⁷The covered activities must avoid removal of habitat occupied by this species.

⁸Up 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.

⁹Although new stream channel supporting habitat will not be restored, BRCP will improve habitat conditions with placement of 30,000 cu. yds. Of spawning gravels and the removal of up to five miles of riprap from channel banks in this species habitat.

¹⁰This species' habitat is not modeled. This target is based on acquisition of grassland with vernal swale complex in this species USFWS designated Recovery Core Areas.

¹¹Up to 5 currently unknown occurrences if discovered during implementation will also be protected.

¹²A species habitat model has not been developed for this species.

¹³Up to 4 currently unknown occurrences if discovered during implementation will also be protected.

¹⁴See 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.

¹⁵Up to 8 currently unknown occurrences if discovered during implementation will also be protected.