

Table 4-13. Impacts on Vernal Pools and Other Seasonal Wetlands (acres)¹

A. Impacts to Land Cover Types that Support Vernal Pools and Other Seasonal Wetlands																										
	Basin CAZ			Cascade Foothills CAZ						Northern Orchards CAZ				Sacramento River CAZ		Sierra Foothills CAZ						Southern Orchards CAZ				Grand Total
	Outside UPAs	State Route-99	Total	Butte County Drop-Off and Recycling Facility	Chico UPA	Foothill Area UPA	State Route-99 UPA	Outside UPAs	Total	Chico UPA	State Route-99 UPA	Outside UPAs	Total	Outside UPAs	Total	Bangor UPA	Foothill Area UPA	Honcut UPA	Oroville UPA	Outside UPAs	Total	Gridley-Biggs UPA	Oroville UPA	Outside UPAs	Total	
Grassland ²	85.9	58.9	144.8	491.4	1,157.2	154.3	26.1	42.3	1,871.3	151.4	91.9	59.6	302.8	0.7	0.7	131.4	67.2	2.0	4,273.1	83.8	4,557.5	0.0	7.3	30.8	38.1	6,915
Grassland with Stream Corridor ³	12.1	0.0	12.1	84.1	113.6	10.5	11.9	13.6	233.8	23.1	3.1	20.7	46.9	1.1	1.1	3.3	12.0	0.0	463.6	5.0	483.9	0.0	0.0	0.0	0.0	778
Grassland with Vernal Swale Complex ⁵	5.3	16.6	21.9	141.2	163.3	4.5	53.8	34.2	397.1	0.0	8.9	46.9	55.8	0.0	0.0	0.0	0.0	0.0	901.0	15.3	916.3	0.0	0.0	0.0	0.0	1,391
Total	103.3	75.5	178.8	716.8	1,434.1	169.4	91.9	90.1	2,502.2	174.5	103.9	127.2	405.5	1.8	1.8	134.7	79.2	2.0	5,637.7	104.1	5,957.7	0.0	7.3	30.8	38.1	9,084
B. Impacts on All Vernal Pools and Other Seasonal Wetlands ³																										
	Basin CAZ			Cascade Foothills CAZ						Northern Orchards CAZ				Sacramento River CAZ		Sierra Foothills CAZ						Southern Orchards CAZ				Grand Total
	Outside UPAs	State Route-99	Total	Butte County Drop-Off and Recycling Facility	Chico UPA	Foothill Area UPA	State Route-99 UPA	Outside UPAs	Total	Chico UPA	State Route-99 UPA	Outside UPAs	Total	Outside UPAs	Total	Bangor UPA	Foothill Area UPA	Honcut UPA	Oroville UPA	Outside UPAs	Total	Gridley-Biggs UPA	Oroville UPA	Outside UPAs	Total	
Grassland	0.8	0.5	1.3	4.3	10.2	1.4	0.2	0.4	16.5	1.3	0.8	0.5	2.7	0.0	0.0	1.2	0.6	0.0	37.6	0.7	40.1	0.0	0.1	0.3	0.3	61
Grassland with Stream Corridor	2.8	0.0	2.8	19.3	26.1	2.4	2.7	3.1	53.6	5.3	0.7	4.7	10.8	0.3	0.3	0.8	2.8	0.0	106.3	1.2	111.0	0.0	0.0	0.0	0.0	178
Grassland with Vernal Swale Complex	0.2	0.8	1.0	6.4	7.4	0.2	2.4	1.6	18.0	0.0	0.4	2.1	2.5	0.0	0.0	0.0	0.0	0.0	40.9	0.7	41.6	0.0	0.0	0.0	0.0	63
Total	3.8	1.3	5.0	30.0	43.7	4.0	5.4	5.0	88.1	6.6	1.9	7.4	16.0	0.3	0.3	1.9	3.3	0.0	184.9	2.6	192.7	0.0	0.1	0.3	0.3	302
C. Impacts on Vernal Pools ⁴																										
	Basin CAZ			Cascade Foothills CAZ						Northern Orchards CAZ				Sacramento River CAZ		Sierra Foothills CAZ						Southern Orchards CAZ				Grand Total
	Outside UPAs	State Route-99	Total	Butte County Drop-Off and Recycling Facility	Chico UPA	Foothill Area UPA	State Route-99 UPA	Outside UPAs	Total	Chico UPA	State Route-99 UPA	Outside UPAs	Total	Outside UPAs	Total	Bangor UPA	Foothill Area UPA	Honcut UPA	Oroville UPA	Outside UPAs	Total	Gridley-Biggs UPA	Oroville UPA	Outside UPAs	Total	
Grassland	0.1	0.0	0.1	0.4	0.9	0.1	0.0	0.0	1.5	0.1	0.1	0.0	0.2	0.0	0.0	0.1	0.1	0.0	3.5	0.1	3.7	0.0	0.0	0.0	0.0	6
Grassland with Stream Corridor	0.3	0.0	0.3	1.8	2.4	0.2	0.3	0.3	5.0	0.5	0.1	0.4	1.0	0.0	0.0	0.1	0.3	0.0	9.8	0.1	10.3	0.0	0.0	0.0	0.0	17
Grassland with Vernal Swale Complex	0.1	0.2	0.2	1.6	1.8	0.1	0.6	0.4	4.4	0.0	0.1	0.5	0.6	0.0	0.0	0.0	0.0	0.0	10.0	0.2	10.2	0.0	0.0	0.0	0.0	15
Total	0.4	0.2	0.6	3.8	5.2	0.4	0.9	0.7	10.9	0.6	0.2	1.0	1.9	0.0	0.0	0.2	0.3	0.0	23.3	0.3	24.1	0.0	0.0	0.0	0.0	38

¹ Based on calculations of percent wetlands cover within mapped land cover types using on-ground USACE verified jurisdictional delineation data (see Appendix 1-2).

² Total acreage of impacted grassland (both stream associated and non-stream associated) presented here is 7,693 acres, which does not include 80 acres of impact associated with transportation project borrow sites. No impacts on jurisdictional wetlands would result at such borrow sites as placement of dredge or fill material is not allowed for these purposes under the BRCP.

³ Calculation of acreage from total area of land cover type multiplied by proportion of cover by jurisdictional vernal pools and other seasonal wetlands. Wetland proportional cover multipliers for Grassland of 0.0088, for Grassland with Stream Corridor of 0.2294, for Grassland with Vernal Swale Complex of 0.0454.

⁴ Estimate of acres of vernal pool habitat separated from other seasonal wetlands based on a calculation of proportion of jurisdictional wetlands mapped as vernal pools versus other types of seasonal wetlands. Multiplier for Grassland (with or without stream) of 0.0926 and for Grassland with Vernal Swale Complex of 0.2441.

⁵ Gray shaded cell indicates that an impact limit as set for the Oroville UPA such that impacts on grassland with vernal swale complex would not exceed 901 acres. GIS intersection of potential development footprint and existing grassland with vernal swale complex is 1,430.7 acres.