

## Arcata Rail-with-Trail Connectivity Project:

**Table 3: Existing Areas and Impacted Areas of Habitats, Wetlands, and Waters of the US/State**

Project Location	Jurisdiction	Type of Impact	Habitat Types		Wetland Types		Other Waters of US/State		California State Special Status Plants <sup>10</sup>						
			Shorebird Roosting/Rocky Shoreline	Riparian (1 Parameter) <sup>1</sup>	Palustrine Emergent Wetlands	Ditch (stormwater conveyance w/ Palustrine Vegetation)	Estuarine Intertidal Emergent (Saltmarsh)	Estuarine Emergent (ditch) <sup>2</sup>	Ordinary High Water Mark	Tidal Waters of the US (unvegetated) <sup>3</sup>	Humboldt Bay owl's-clover ( <i>Castilleja ambigua</i> ssp. <i>humboldtiensis</i> )	Lyngbye's Sedge ( <i>Carex Lyngbyei</i> )	Point Reyes bird's-beak ( <i>Corydyanthus maritimus</i> ssp. <i>palustris</i> )	Sand Spurrey ( <i>Spargularia Canadensis</i> var. <i>occidentalis</i> )	
Total Existing <sup>4</sup>	Various	NA	SF Ac.	1,473 0.03	89,737 2.06	174,803 4.01	6,299 0.14	126,723 2.91	13,584 0.31	2,009 0.05	42,952 0.99	30,789 0.71	7,045 0.16	37,173 0.85	0 0.00
Northern Extent to CZ Boundary	City/ COE	Cubic Yards of Fill associated with Permanent Impacts <sup>5</sup>	CY	0	188	161	68	0	0	0	0	NA	NA	NA	NA
		Permanent Impacts (Ground Disturbance) <sup>6</sup>	SF	0	3,377	2,893	1,231	0	0	0	0	0	0	0	0
		Permanent Impacts (Structure Shading) <sup>7</sup>	SF	0	0	0	0	0	0	NA	NA	0	0	0	0
		Temporary Construction Impacts (5ft buffer) <sup>8</sup>	SF	0	2,025	1,918	17	0	0	87	0	0	0	0	0
		Temporary Impacts Associated with Staging Areas <sup>9</sup>	SF	0	0	0	0	0	0	0	0	0	0	0	0
CZ to South City Boundary	City/ COE/ CC	Cubic Yards of Fill associated with Permanent Impacts <sup>5</sup>	CY	0	108	394	4	442	0	0	12	NA	NA	NA	NA
		Permanent Impacts (Ground Disturbance) <sup>6</sup>	SF	0	1,952	7,091	76	7,949	0	0	224	186	0	429	0
		Permanent Impacts (Structure Shading) <sup>7</sup>	SF	0	0	808	0	804	0	NA	NA	98	0	187	0
		Temporary Construction Impacts (5ft buffer) <sup>8</sup>	SF	0	2,735	4,881	187	8,298	0	0	961	257	0	279	0
		Temporary Impacts Associated with Staging Areas <sup>9</sup>	SF	0	0	5,362	0	0	0	0	0	0	0	0	0
South City Boundary to Southern Extent	COE/ CC	Cubic Yards of Fill associated with Permanent Impacts <sup>5</sup>	CY	0	45	2,646	0	0	550	0	9	NA	NA	NA	NA
		Permanent Impacts (Ground Disturbance) <sup>6</sup>	SF	0	815	47,619	0	0	9,903	0	170	0	0	0	0
		Permanent Impacts (Structure Shading) <sup>7</sup>	SF	0	0	207	0	0	368	NA	NA	0	0	0	0
		Temporary Construction Impacts (5ft buffer) <sup>8</sup>	SF	0	560	17,279	0	0	2,977	0	262	0	0	0	0
		Temporary Impacts Associated with Staging Areas <sup>9</sup>	SF	0	0	0	0	0	0	0	0	0	0	0	0
IMPACT SUMMARY (all project areas combined)	Various	Cubic Yards of Fill associated with Permanent Impacts	CY	0	341	3,200	73	442	550	0	22	NA	NA	NA	NA
	Various	Permanent Impacts (Ground Disturbance) <sup>6</sup>	SF	0	6,144	57,603	1,307	7,949	9,903	0	394	186	0	429	0
	Various	Permanent Impacts (Structure Shading) <sup>7</sup>	SF	0.00	0.14	1.32	0.03	0.18	0.23	0.00	0.01	0.00	0.00	0.01	0.00
	Various	Temporary Construction Impacts (5ft buffer from permanent impacts associated with ground disturbance) <sup>8</sup>	SF	0	5,320	24,077	204	8,298	2,977	87	1,223	257	0	279	0
	Various	Temporary Impacts Associated with Staging Areas <sup>9</sup>	SF	0.00	0.00	5,362	0	0	0	0	0	0	0	0	0

**Notes:**

1 1-Parameter Riparian areas are uplands; Riparian areas w/ wetland hydrology/soils calcuated as wetlands

2 Estuarine Emergent (ditch) are saltwater wetlands isolated from direct tidal influence by railroad prism

3 Tidal Waters of the US is everything below HTL (8.0' elevations when converted to NAVD88)

4 Existing areas = acreage within Project Study Area mapped and delineated in the field

5 Cubic Yards of Wetlands assumes an average depth of 1.5' fill in wetlands

6 Areas that will be filled in association with construction of the project

7 Areas shaded by bridge decks or other structures that have no permanent ground disturbance impacts

8 A 5-foot buffer around all Permanent Impacts (ground disturbance) in which temporary impacts are likely during construction

9 Designated areas for construction staging and stockpiling; temporary impacts may occur

10 Surveys of California Special Status Plant Species extended beyond the study area

**Abbreviations:** CC=California Coastal Commission COE = Army Corp of Engineers CZ = Coastal Zone SF = Square Footage CY = Cubic Yards Ac. = Acres NA = Not Applicable