Arcata Rail-with-Trail Connectivity Project:

Table 4: Bridge Statistics and Calculations of Bridge Impacts

	Bridge Data					Pile Data ^{1,2}			
Name of Water Crossing	# of Approach Spans	Length of Structure (If) ¹	Width of Structure (If) $^{ m 1}$	Total Surface Area of Structure $(\mathrm{sf})^1$	# of Bridge-Footings (pile caps) ¹	Total Number of Piles (16.5" diameter each)	Total Number of Piles (12" diameter each)	Total Piles above HTL (outside Tidal Waters of US)	Total Piles below HTL (within Tidal Waters of the US)
Brainard's Slough	2	148	12	1,776	4	4	0	2	2
Old Jacoby Creek	2	124	12	1,488	4	4	0	3	1
Gannon Slough Overview Platform	5 0	305 50	12 13.5	3,660 675	8 0	18 0	0 4	3 4	15 3
Butcher Slough			13.5	864	2	0	0	0	0
Arcata Marsh Berm Bridge	0	93	12	1,111	5	0	0	0	0
Jolly Giant Creek	0	23	12	278	2	0	0	0	0

Notes

1 Including approach spans

Abbreviations

 ${\sf OHWM = Ordinary\; High\; Water\; Mark}$

HTL = High Tide Line (8.0' NAVD88)

3 Includes several wetland types combined; see Table 3 for breakdown of impacts to wetlands by SF = Square Feet

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 $4\, \text{Tidal Waters of the US is everthing below HTL} \, (8.0'\, \text{elevation when converted to NAVD88})$

2 All piles are encased in pile caps; pile caps constitue ground disturbance

LF = Lineal Feet

5 Impacts in Tidal Waters triggers Section 404 and Section 10

6 Sturctural shading of unvegetated Tidal Waters is not calculated as an impact