

Connectivity modeling and Putah Creek

- “Least cost” connectivity modeling: i.e. finding the path of least resistance between two areas
- Classified land cover into four classes and assigned (cost): non-developed (10), water (50), agriculture (100), urban (1,000)
- Buffered Putah Creek by 3 distances: 1 mile, 2 miles, and 5 miles
- Assessed connectivity at each of the three buffer scales between the buffer north of PC and south of PC
- Adjusted the color scheme of the output to pull out some details.
White = highly non-developed areas, non-colored = highly developed, color ramp between (pink/purple = higher connectivity, yellow/brown = lower connectivity)
- I zoomed in for each of the 3 buffer scales to areas in the agricultural matrix that had higher connectivity scores (then removed the connectivity surface to allow for viewing of the aerial imagery)

















