

STREAM INVENTORY REPORT  
SUBSECTION  
Second Right Bank Tributary to Singley Creek

WATERSHED OVERVIEW

The second right bank tributary to Singley Creek is a tributary to Singley Creek which is a tributary to the Pacific Ocean located in Humboldt County, California (Map 1). The legal description at the confluence of the second right bank tributary to Singley Creek with Singley Creek is T01N R02W S31. Its location is 40°25'05" north latitude and 124°20'18" west longitude. The second right bank tributary to Singley Creek is a first order stream according to the USGS Comptche 7.5 minute quadrangle. The second right bank tributary to Singley Creek drains a watershed of approximately 0.8 square miles. Elevations range from about 1,200 feet at the mouth of the creek to 2,654 feet in the headwater areas. Mixed conifer forest dominates the watershed. The watershed is entirely privately owned and is managed for timber production and rangeland. Vehicle access exists via Old Mattole Road and is accessible only with permission by the private landowners.

HABITAT INVENTORY RESULTS AND DISCUSSION

The habitat inventory of June 18, 1999, was conducted by Andrea Kudrez and Chris Ramsey (WSP/AmeriCorps). The total length of the stream surveyed was 378 feet.

Flows were not measured on the second right bank tributary to Singley Creek.

A channel type was not taken on the second right bank tributary to Singley Creek but appeared to have the same characteristics as Singley Creek which is a B2 channel type.

The water temperature recorded on the survey date of June 18, 1999 was 54 degrees Fahrenheit. Air temperature was 65 degrees Fahrenheit. This is a suitable water temperature range for salmonids. For a more complete and accurate water temperature profile, 24-hour temperatures would need to be monitored throughout the warm summer months.

Based on the total length of this survey, Level II habitat units consisted of 59% flatwater units, 37% riffle units, and 3% pool units. The one pool measured had a maximum depth of greater than 2 feet.

The pool tail-out measured had an embeddedness rating of 1. Cobble embeddedness of 25% or less, a rating of 1, is considered best for the needs of salmon and steelhead.

The mean shelter rating for pools was a 0. The shelter rating in the flatwater habitats was 30. A pool shelter rating of approximately 100 is desirable.

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The pool tail-out measured had gravel as the dominant substrate. This is generally considered good for spawning salmonids.

The mean percent canopy density for the stream was 92%. The percentage of right and left bank covered with vegetation was moderate, at 74% and 90%, respectively.

### RECOMMENDATIONS

- 1) The second right bank tributary to Singley Creek should be managed as an anadromous, natural production stream.

### COMMENTS AND LANDMARKS

The following landmarks and possible problem sites were noted. All distances are approximate and taken from the beginning of the survey reach.

- 0' Begin survey at confluence with Singley Creek; 21,877' from the confluence of Singley Creek with the Pacific Ocean.
- 14' Right bank failure, 30' long x 50' high.
- 200' Log debris accumulation (LDA), 10' long x 30' wide x 3' high, retaining sediment, water goes subsurface.
- 274' Bank failure, 60' long x 25' high.
- 378' End of survey. Log debris accumulation, 100' long x 100' wide x 20' high, retaining 10' of sediment. Probable barrier. Surveyors walked an additional 125' above the LDA and no salmonids were observed.