

## **STREAM INVENTORY REPORT SUBSECTION**

### **Left Bank Tributary #5 to Olds Creek**

#### WATERSHED OVERVIEW

Left bank tributary #5 is a tributary to Olds Creek, a tributary to the Noyo River, located in Mendocino County, California (Map 1). Left bank tributary #5's legal description at the confluence with Olds Creek is T18N R15W S13. Its location is 39°24'34" north latitude and 123°28'25" west longitude. Left bank tributary #5 is an ephemeral stream according to the USGS Burbeck/Northspur 7.5 minute quadrangles. Left bank tributary #5 drains a watershed of approximately 0.5 square miles. Elevations range from about 600 feet at the mouth of the creek to 1,100 feet in the headwater areas. Redwood and Douglas fir forest dominates the watershed. The watershed is entirely privately owned and is managed for timber production. Vehicle access exists via Irmulco Road off of Highway 20.

#### HABITAT INVENTORY RESULTS AND DISCUSSION

The habitat inventory of July 10-11, 2000, was conducted by Ethan Jankowski and Kasey Sirkin (WSP/AmeriCorps). The total length of the stream surveyed was 2,525 feet.

Flows were not measured on Left bank tributary #5.

No channel type was taken on Left bank tributary #5.

The water temperatures recorded on the survey days July 10-11, 2000, ranged from 57 to 61 degrees Fahrenheit. Air temperatures ranged from 64 to 76 degrees Fahrenheit. This is a suitable water temperature range for salmonids, but water temperatures during warm summer months are lacking. 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 54% riffle units, 13% pool units, and 30% flatwater units. The pools are shallow, with only 3 of the 29 pools having a maximum depth greater than 2 feet.

Four of the 29 pool tail-outs measured had embeddedness ratings of 3 or 4. Eighteen had a rating of 1. Cobble embeddedness of 25% or less, a rating of 1, is considered best for the needs of salmon and steelhead. In left bank tributary #5, sediment sources should be mapped and rated according to their potential sediment yields, and control measures should be taken.

Twenty-six of the 29 pool tail-outs measured had gravel or small cobble as the dominant substrate. This is generally considered good for spawning salmonids.

The mean shelter rating for pools was 40. The shelter rating in the flatwater habitats was 22. A pool shelter rating of approximately 100 is desirable. Log and root wad cover structure in the pool and flatwater habitats are needed to improve both summer and winter salmonid habitat.

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The mean percent canopy density for the stream was 80%. The percentage of right and left bank covered with vegetation was moderate at 70% and 71%, respectively.

### BIOLOGICAL INVENTORY RESULTS

No electrofishing was performed on Left bank tributary #5.

### RECOMMENDATIONS

- 1) Left bank tributary #5 should be managed as an anadromous, natural production stream.

### PROBLEM SITES AND LANDMARKS

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

#### Position

(ft):	Comments:
0'	Begin survey at confluence with Olds Creek.
110'	Log debris accumulation measures 15'L x 6'W x 2'H. Retaining gravel 5'L x 5'W x 0.5'H.
184'	Log debris accumulation measures 10'L x 10'H x 3'W.
490'	Log debris accumulation measures 13'L x 7'W x 4'H.
773'	Log debris accumulation measures 11'L x 8'W x 2'H and contains 5 pieces of large woody debris. Retaining gravel 10'L x 8'W x 1'H.
954'	Log debris accumulation measures 10'L x 6'W x 2'H and contains 3 pieces large woody debris.
973'	Log debris accumulation measures 10'L x 10'W x 2'H.
1,015'	Road follows left bank.
1,046'	Log debris accumulation measures 11'L x 10'W x 3'H.
2,011'	Log debris accumulation measures 12'W x 4'H.
2,360'	High gradient tributary enters on right bank. Tributary was dry at the time of survey.

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2,525' End of survey due to high gradient of stream.