

THE RESOURCES AGENCY OF CALIFORNIA
Department of Fish and Game

STREAM SURVEY

FILE FORM

No....

Date Septemer 2, 1967

NAME.... **Burbeck Creek** COUNTY.. Mendocino

STREAM SECTION entire FROM mouth To end fish value LENGTH...9 mi.

TRIBUTARY TO.....Noyo River..... Twp 18NR...14W Sec....8

OTHER NAMES None knownRiver SYSTEM ... Noyo River.

SOURCES OF DATA..... Personal observation

EXTENT OF OBSERVATION - Burbeck Creek was surveyed on August 12, 1966. The time required was 3/2 hrs. Stream was surveyed on foot. Surveyor: Brian Edie.

LOCATION - Burbeck Creek is approximately 29 mi. east of Fort Bragg, along the California Western Railroad tracks. The stream is 3 1/2 mi. east of Irmulco.

RELATION TO OTHER WATERS - This stream is a small headwater tributary to the Noyo River. The creek has value for spawning and nursery purposes as well as contributing to the summer flow of the Noyo.

GENERAL DESCRIPTION -

Watershed - Steepsides hills (45°) covered primarily with redwood trees. Soil appears to be very unstable by the amount of silt in streambed.

Soil is typical clay type found in redwood forests.

Immediate Drainage Basin - The drainage basin covers an area of approximately one-half square mile. The stream flows in a west by southwest direction. (from mouth to point .75 mi. above mouth). Section 1 - narrow valley, lense shaped streambed; vegetation scarce due to logging, scattered redwoods. (from .75 mi. to .90 mi. above mouth). Section 2 - V shaped canyon, streambed a series of pools; vegetation abundant, species present: redwood, tan bark oak, madrone and huckleberry.

Altitude - At mouth, 740', at end fish value - 900'.

from mouth to end fish value, moderate.

- EXTENT OF OBSERVATION
- Include Name of Surveyor, Date, Etc.
- LOCATION
- RELATION TO OTHER WATERS
- GENERAL DESCRIPTION
- Watershed
- Immediate Drainage Basin
- Altitude (Range)
- Gradient
- Width
- Depth
- Flow (Range)
- Velocity
- Bottom
- Spawning Areas
- Pools
- Shelter
- Barriers
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- Food
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- Springs
- FISHES PRESENT AND SUCCESS
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- FISHING INTENSITY
- OTHER RECREATIONAL USE
- ACCESSIBILITY
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- IMPROVEMENTS
- PAST STOCKING
- GENERAL ESTIMATE
- RECOMMENDED MANAGEMENT
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Gradient - 177 ft/mi.

Width - Average 4'; range 1'-10'.

Depth - Average 4"; range 1"-3'.

Flow - .35 cfs at mouth.

Velocity - Moderate to rapid.

Bottom - Coarse gravel and rubble with heavy silt. Coarse gravel 50%; rubble 25%, silt 15%, fine gravel 10%.

Spawning area - All possible spawning areas are silted in. Heavy damage to lower areas of stream due to logging operations.

Pools - Pool frequency is good to excellent; average size - 10'x3.5'; depth 2'. Pools are long, narrow and shallow. Generally caused by boulders and undercut banks, also by logs and stumps.

Shelter - Shelter is abundant for the fish. Most shelter is due to undercut banks and roots, and boulders.

Barriers - Few barriers above current logging, all above logging are log jams. In logging area slash, log jams and bridges represent barriers.

Above C.W.R. tracks bridge partial barrier. Two log jams on stream. #1 Jam 3/8 mi. above mouth partial barrier. #2 Jam - .35 mi. above mouth complete barrier. Also end of fish value.

Diversions - None

Temperatures - Air - 70°F; H2O - 62°F; 0945 hrs.

Food - Not abundant, heavy silt on bottom, no canopy or vegetation on much of stream.

Aquatic plants - Horsetails, rushes, scarce.

Winter conditions - Heavy silt, stream velocity almost torrential, winter depth 1'-2'.

Pollution - Silt from logging operations in much of stream. Very bad near mouth.

Union Lumber Company is now logging.

Springs - None noted

FISHES PRESENT AND SUCCESS - Steelhead and freshwater sculpin were observed. Steelhead average size - 4"; range - 3"-6"; natural propagation - good abundance - 50 per hundred feet. Sculpins - average size - 2", range $\frac{1}{4}$ -2 $\frac{1}{2}$ ". Nearly as abundant as steelhead ratio of 40/60.

OTHER VERTEBRATES - Also present in stream were frog and newts. The frogs were especially numerous.

FISHING INTENSITY - Closed to fishing.

OTHER RECREATIONAL USE - None known

ACCESSIBILITY - Access to Burbeck Creek may be gained by two means. (1) - Highway 20 to Irmulco Road, Irmulco Road to Irmulco, road to east where road branches just before Irmulco. Follow road to end and then C.W.R. tracks to mouth. (2) - Union Lumber Rd. off of Sherwood Road (not explored).

OWNERSHIP - From the mouth to a point .75 mi. above the mouth - Union Lumber Co. From .75 mi. to end of headwaters - Apache Lumber Co.

POSTED OR OPEN - All land in drainage basin is posted.

IMPROVEMENTS - Improvement is needed in Section 1. Logging damage (silt, slash, jam in stream) should be cleared. Approximately .85 mi. should be improved.

PAST STOCKING - Not known

GENERAL ESTIMATE - Silt in stream limits the productivity of the stream immensely, covering vast areas of spawning gravel. Steelhead will find the stream most suitable; salmon doubtful. The stream is not now producing as many fish as it might. Present regulations are adequate.

RECOMMENDED MANAGEMENT - Should be managed for steelhead. Habitat improvement is necessary.

SKETCH MAP - Attached

REFERENCE AND YAPS - USGS Map - Willits Quadrangle 15' series.