

THE RESOURCES AGENCY OF CALIFORNIA  
 Department of Fish and Game  
**STREAM SURVEY**

Date September 14, 1967

NAME Unnamed tributary #5 to Garcia River COUNTY Mendocino  
 STREAM SECTION entire FROM mouth upstream To 1-1/4 mi. LENGTH 2 MI.  
 TRIBUTARY TO Garcia River TWP 12N R 16 W SEC. 25  
 OTHER NAMES None known RIVER SYSTEM Garcia  
 SOURCES OF DATA Personal observation

- 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
- Diversions
- Temperatures
- Food
- Aquatic Plants
- Winter Conditions
- Pollution
- Springs
- FISHES PRESENT AND SUCCESS
- OTHER VERTEBRATES
- FISHING INTENSITY
- OTHER RECREATIONAL USE
- ACCESSIBILITY
- OWNERSHIP
- POSTED OR OPEN
- IMPROVEMENTS
- PAST STOCKING
- GENERAL ESTIMATE
- RECOMMENDED MANAGEMENT
- SKETCH MAP
- REFERENCES AND MAPS

EXTENT OF OBSERVATION - 16 August 1967. Mouth upstream to first tributary and upstream 3/4 mile on first tributary by G. Miller. Mouth upstream to junction of second and third tributaries a distance of 1 1/4 miles by L. Johnson.

LOCATION - Mouth T. 12N; R 16W; Sect. 25. Approximately 7 miles east and 3 miles south of the town of Pt. Arena.

RELATION TO OTHER WATERS - Serves as an important spawning and nursery stream. Good contribution at the rate of 1.5 cfs (est.) at the mouth (16 Aug. 67). Gradient of 2nd & 3rd tributaries found to be too steep for fisheries.

GENERAL DESCRIPTION

Watershed and Immediate Drainage Basin - Head waters located southwest of Pt. Arena Air Force Station. Flows southwest and enters the Garcia River approximately 3 miles upstream from the Eureka Hill bridge. There is a fairly heavy to dense growth of redwood, alder, bay and tanbark oak and shrubs throughout the basin. The canyon is bowl shaped with good humus soil until the first tributary. After that the walls steepened to form a V-shaped canyon with rocky, thin soil. Streamside vegetation is common becoming more abundant (other upstream (1 mile from mouth.)

Altitude - (Range) Mouth: tidewater. Heads: 1400-1600 ft.

Gradient - Averages 700 ft. per mile. Portion observed ranged from 300 ft. per mile.

Width - Average, 3 ft. Range, 2-8 ft.

Depth - Average 4". Range, 2"-60".

Flow - Mouth 1.5 cfs (est.). Range, 1.0-2.0 cfs.

Velocity - Rapid up to first tributary and from there upstream rapid to cascading.

Bottom - Good gravel and some sand up to first tributary above that rubble, boulders and bedrock.

Spawning areas - Very good in portion up to first tributary, about 60% of the bed is good gravel. Above that, fairly good gravel for approximately 1/2 mile upstream until a large log jam. Very little gravel in the second and third tributaries.

Pools - Fair in number and size, approximately 25% of streambed 6 ft. x 8 ft. x 36"-48" deep.

Shelter - Under rocks and logs in pools. Little observed from vegetation along stream bank.

Barriers - In second and third tributaries the gradient is a positive barrier. No fish were observed in these parts of the stream. Approximately 1/2 mile upstream on the first tributary there is a natural log dam which makes a 5 ft. falls. This seems to be a positive barrier since no fish were seen above this point.

Diversions - None seen

Temperatures - Air 67°F., water 58°F, 1200 calm and clear.

Food - Many caddis worms on rocks and logs approximately 6 per fist sized rock. Also many unidentified flying insects observed.

Aquatic plants - Filamentous green algae in open areas where current is slow.

Winter conditions - Believed to be severe as indicated by debris and scourings on banks. Stream increases to 3 or 4 times present level and width.

Pollution - None witnessed

Springs - None seen in lower 1-1/4 mile.

FISHES PRESENT AND SUCCESS - Abundant juvenile SH-RT seen (75-100 per 100 ft.). No large resident fish were observed. The fish noted ranged from 2-5 inches.

OTHER VERTEBRATES - Frogs

FISHING INTENSITY - Unknown

OTHER RECREATIONAL USE - Unknown

ACCESSIBILITY - On foot from the mouth. We took a Holmes Lumber Co. logging road from ten mile cutoff and crossed the Garcia River. From there we walked east into the old Garcia Ranch and past there to the stream. There are no other roads in the immediate area.

OWNERSHIP - C. A. Iversen

POSTED OR OPEN - Posted

IMPROVEMENTS - None observed. Very little are needed, minor clearance work in the first tributary could increase available fisheries area.

PAST STOCKING - Unknown

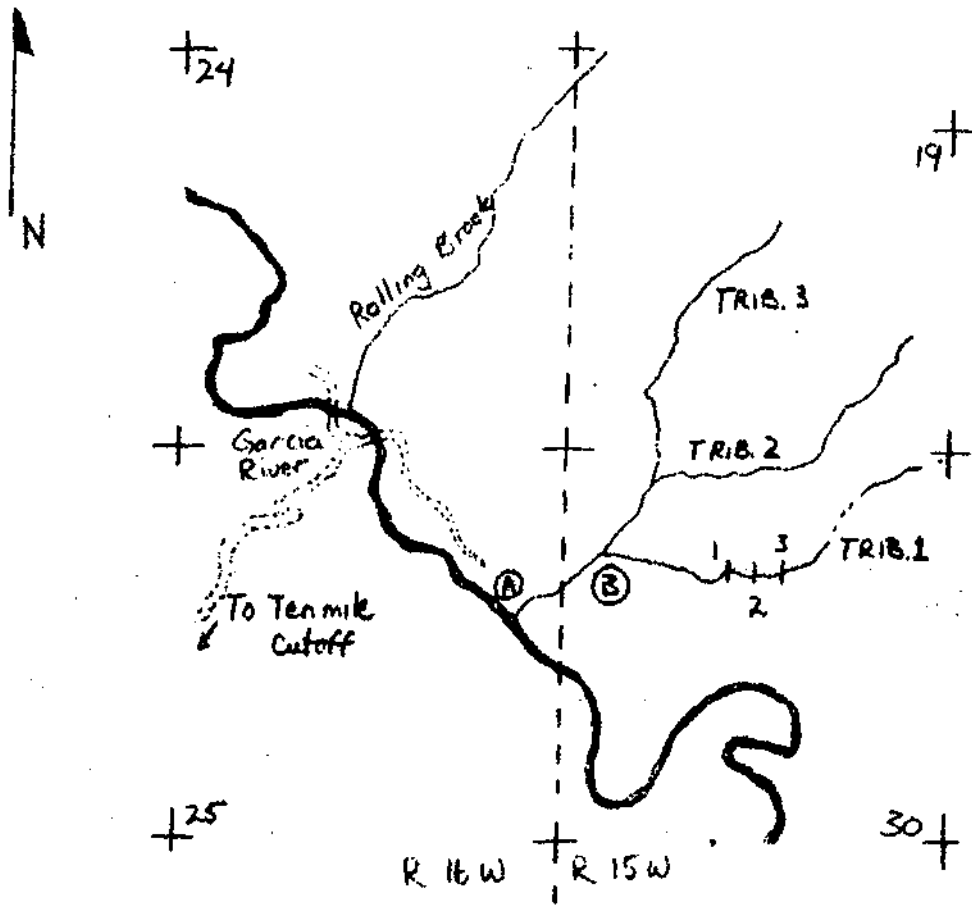
GENERAL ESTIMATE - Judging by the number of fish (SH-RT) observed, this is a valuable salmon and steelhead fisheries stream. The second and third tributaries are of no value due to the steep gradient. The main stream and first tributary serve as a good spawning and nursery area up until the log dam approximately 1/2 mile from their junction.

RECOMMENDED MANAGEMENT - This stream is presently a good spawning and nursery stream and should be retained as such. No logging is in progress at the moment and there is, therefore, very little debris problem.

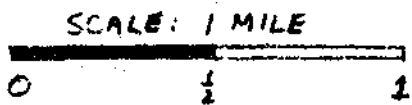
SKETCH MAP - Attached

REFERENCES AND MAPS - USGS Point Arena Quad 1960

L. Johnson and G. Miller



Log jam #2 seems to be an absolute barrier upper limit to fisheries value of stream.



UNNAMED TRIBUTARY  
T. 12 N R. 16 W Sec. 25