

THE RESOURCES AGENCY OF CALIFORNIA
California Department of Fish and Game

STREAM SURVEY

Date: Sept. 12, 1967

NAME: Unnamed tributary #6 **COUNTY:** Mendocino
STREAM SECTION: entire **FROM:** Mouth U/S **TO:** 1-1¼ miles **LENGTH:** 3½ mi.
TRIBUTARY TO: Garcia River **TWP:** 12N **R:** 16W **SEC:** 14
OTHER NAMES: None unknown **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
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- Aquatic Plants
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- FISHES PRESENT AND SUCCESS
- OTHER VERTEBRATES
- FISHING INTENSITY
- OTHER RECREATIONAL USE
- ACCESSIBILITY
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- IMPROVEMENTS
- PAST STOCKING
- GENERAL ESTIMATE
- RECOMMENDED MANAGEMENT
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EXTENT OF OBSERVATION : 15 August 1967, 0900 - 1130. Mouth upstream 1-¼ miles.
LOCATION : Mouth - T12N, R16W, Sec. 14, approximately 5 miles east of the town of Pt. Arena off of Eureka Hill Rd.
RELATION TO OTHER WATERS : Small contribution to Garcia River at the rate of 1.7 cfs at the mouth (15 August 1967). Also serves as a minor spawning and nursery stream in the lower 1 mile. The upper 2½ miles is too steep and cluttered with debris to serve as an effective fisheries stream for salmon and steelhead.
GENERAL DESCRIPTION
Watershed and Immediate Drainage Basin : The stream heads approximately 1 mile WSW of Eureka Hill and flows generally west and southwest until it enters the Garcia River about 1/4 mile downstream from the Eureka Hill Road bridge. The basin is heavily wooded with Redwood, Bay and Alder trees with the usual associated shrubs. Ferns and horsetails grow along the banks. Canyon broadens from U-shaped upstream to bowl-shaped near the mouth. Soil varies with steepness of the canyon walls.
Altitude : (Range) - Mouth: tidewater; heads approximately 1900 ft.
Gradient : Lower 1 mile about 300-400 ft. per mile.
Width : Average: 4½ ft.; range, 2-10 ft.
Depth : Average 3"-4"; range 2"-48".
Flow : Mouth: 1.7 cfs; range: 1.0 - 2.5 cfs.
Velocity : Lower 1 mile rapid.
Bottom : Lower 1 mile gravel, fine gravel and sand.

Spawning Areas : Good in pools, fair throughout the lower 1 mile.
Pools : Fair development in lower 1/3. Average pool approximately 4 ft. x 8 ft. x 24"-36" deep.
Shelter : Adequate for juvenile fish. Poor for large fish in lower 1 mile. Will improve in higher water. Mostly from logs and under cuts some from small boulders in streambed.
Barriers : No absolute barriers in lower 1 mile.
Diversions : None observed
Temperatures : Air 58°F; water 56°F, 0930. Weather: clear and calm.
Food : Caddis worms on logs and rocks. Many adults flying about, also mosquitoes present.
Aquatic Plants : Green algae present in open, sunny portions of stream.
Winter Conditions : Debris and cuts on stream bank indicated a heavy winter runoff. Stream swells to approximately 3 times summer width and depth.
Pollution : None seen
Springs : Two observed contributed substantially to flow of stream, located on opposite sides of streambed approximately ½ mile upstream.
FISHES PRESENT AND SUCCESS : Lower 1 mile contains many juvenile fish (steelhead). Average Size is 3", range from 1½"-5". (Approximately 20-25 per 100 ft.). As gradient steepened frequency of fish declined and no fish were observed above the portion 1 mile from the mouth. This suggests that the gradient above there was an effective barrier.

OTHER VERTEBRATES : Frogs

FISHING INTENSITY : Unknown

OTHER RECREATIONAL USE : None known

ACCESSIBILITY : Take Eureka Hill Road out of Pt. Arena, cross the bridge over the Garcia River and take the first left immediately after the bridge. The road is a ranch road with a gate, unlocked. The road passes the ranch house and stops at the stream.

OWNERSHIP : Stewart Property

POSTED OR OPEN : Posted

IMPROVEMENTS : None observed. Suggest clearance of some of the log jams in lower 1 mile. A check should be taken each spring to see that excessive amounts of new debris are not deposited during the winter.

PAST STOCKING : Not known

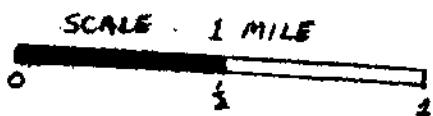
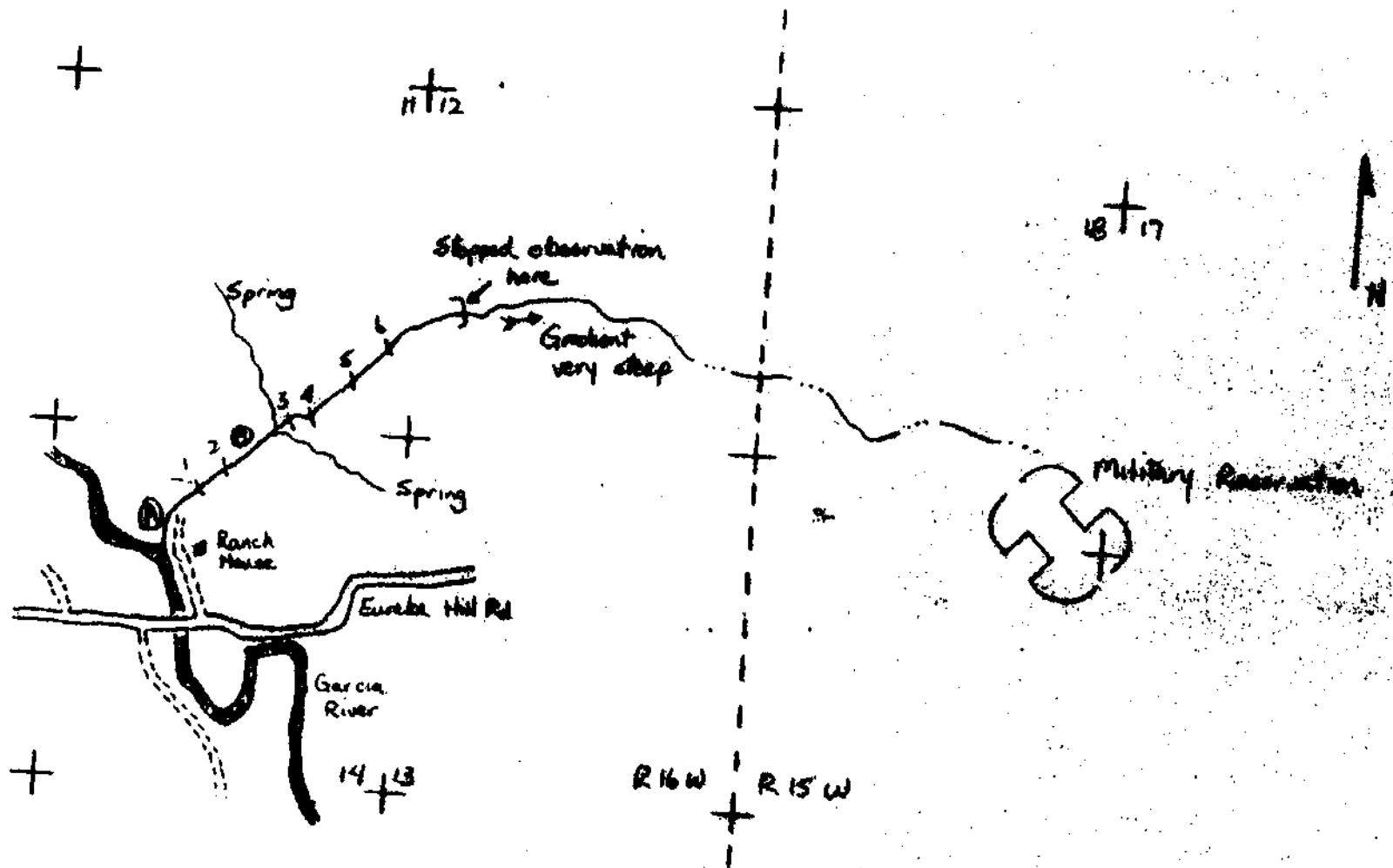
GENERAL ESTIMATE : The lower 1 mile presently serves as a fair spawning and nursery stream. Although there are log jams they are not impassible. The upper 2½ miles of the stream is of no value as a spawning and nursery stream since the gradient is too steep and congestion with debris is fairly heavy.

RECOMMENDED MANAGEMENT : This stream could be improved as a fisheries stream for salmon and steelhead if the log jams in the lower 1 mile are removed. Also removal of some of the debris above that point would facilitate summer flow and avoid further deposits in the useful downstream portion.

SKETCH MAP : Attached

REFERENCES AND MAPS : USGS Point Arena Quad 1960

G. A. Miller



UNNAMED TRIBUTARY
T 12 N R 16 W SEC 14