

STREAM SURVEY

Date October 1, 1967

NAME North Fork of Garcia River COUNTY Mendocino
 STREAM SECTION entire FROM mouth TO headwaters LENGTH 7 mi
 TRIBUTARY TO Garcia River TWP. 12.N R 16W SEC. 10
 OTHER NAMES Unknown RIVER SYSTEM Garcia
 SOURCES OF DATA _____

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

EXTENT OF OBSERVATION - Drove from headwaters downstream approximately 2½ miles, walked out remaining 4½ miles of stream to its confluence with the Garcia River. Observations made by Larry M. Johnson on August 9, 1967.

LOCATION - Heads at Twp. 12N, R 15W, Sec. 10 at 1600 ft. The mouth is located at Twp. 12N, R 16W, Sec. 10 approximately 4 miles east and ¼ mile north of the town of Point Arena.

RELATION TO OTHER WATERS - A major contributor to the summer flow and one of the largest tributaries of the Garcia River. Due to logging damage on lower 4 miles, the stream is presently limited value as a steelhead or silver salmon spawning and nursery area.

GENERAL DESCRIPTION -

Watershed and Immediate Drainage Basin - From headwaters downstream for 3 miles the stream is located in steep V-shaped canyon, with vegetation limited to scarce patches of grass and brush. Lower 4-miles of stream runs through a wide U-shaped canyon with an abundance of trees, brush plants, and small patches of water grass near stream.

Altitude - At mouth, tidewater at headwater, 1600 ft.

Gradient - Average 230 ft. per mile

Range - From headwaters down 3 miles over 300 ft, per mile. Lower 4 mi. less than 175 ft. per mile.

Width - Ave. 5 ft., range 5 in. to 10 ft.

Depth - Ave. 1 ft. - range 2 in. to 6 ft.

Flow - Station A, at mouth, 4 c.f.s., at Station B, 4½ miles from mouth, 1.5 c.f.s. (est.).

Velocity - Stream varies from very rapid in upper 3½ mi. (headwaters), to sluggish in the lower 3½ mi.

Bottom - Lower 4 mi., bottom is coarse gravel cemented together tightly, some mud near mouth. From headwaters downstream 3 mi., bottom is loose, small boulders and gravel.

Spawning areas - Limited to headwaters. Lower 4 mi. is heavily damaged by past logging,

Pools - Average 16 ft, long and 4 ft. deep. Pools range from 2 ft. x 2 ft. x 1 ft. deep to 25 ft. x 12 ft. x 8 ft. deep.

Shelter - The 3 miles of headwaters provide many places for shelter including rocks and stumps along stream. The lower 4 mi. provides much less shelter except for occasional log jams.

Barriers - Total of 8 log jams on stream. Some as high as 4 ft., they do not appear to produce absolute barriers, in that large numbers of fry were observed up-stream from jams. Surface flow becomes intermittent 1½ mi. upstream from mouth.

Diversions - None observed

Temperatures - At station B 4½ mi. from mouth - water 57°, air 70°F at 1050, Station A at mouth - water 60°F, air 72°F at 1300.

Food - Flying insects - mayfly larvae about 10 larvae per sq. ft. of rock area.

Aquatic plants - Large amounts of green algae where the stream was exposed to sunlight.

Winter conditions - The streambed indicates a flow of 4 or 5 times as large as the summer flow.

Pollution - None observed.

Springs - 3 springs observed entering stream, none contributed substantially.

None of the springs were being used agriculturally or otherwise.

FISHES PRESENT - Rainbow or steelhead juveniles of a size of 2½ in. to 5 in. observed.

Upper 3 mile portion common in abundance. (50 fry per 100 ft.). Lower section of stream very few observed (10 fry per 100 ft.).

OTHER VERTEBRATES - Frogs and water snakes present.

FISHING INTENSITY - Unknown

OTHER RECREATIONAL USE - Unknown.

ACCESSIBILITY - Headwaters accessibility by Hollow Lumber Co. Logging roads from Iversen Road. Mouth is situated 200 yds. north of Buckridge Road on the Garcia River.

OWNERSHIP - Hollow Tree Lumber Co.

POSTED OR OPEN - Posted.

IMPROVEMENTS - None seen. Suggest that debris and obstructions be removed from streambed.

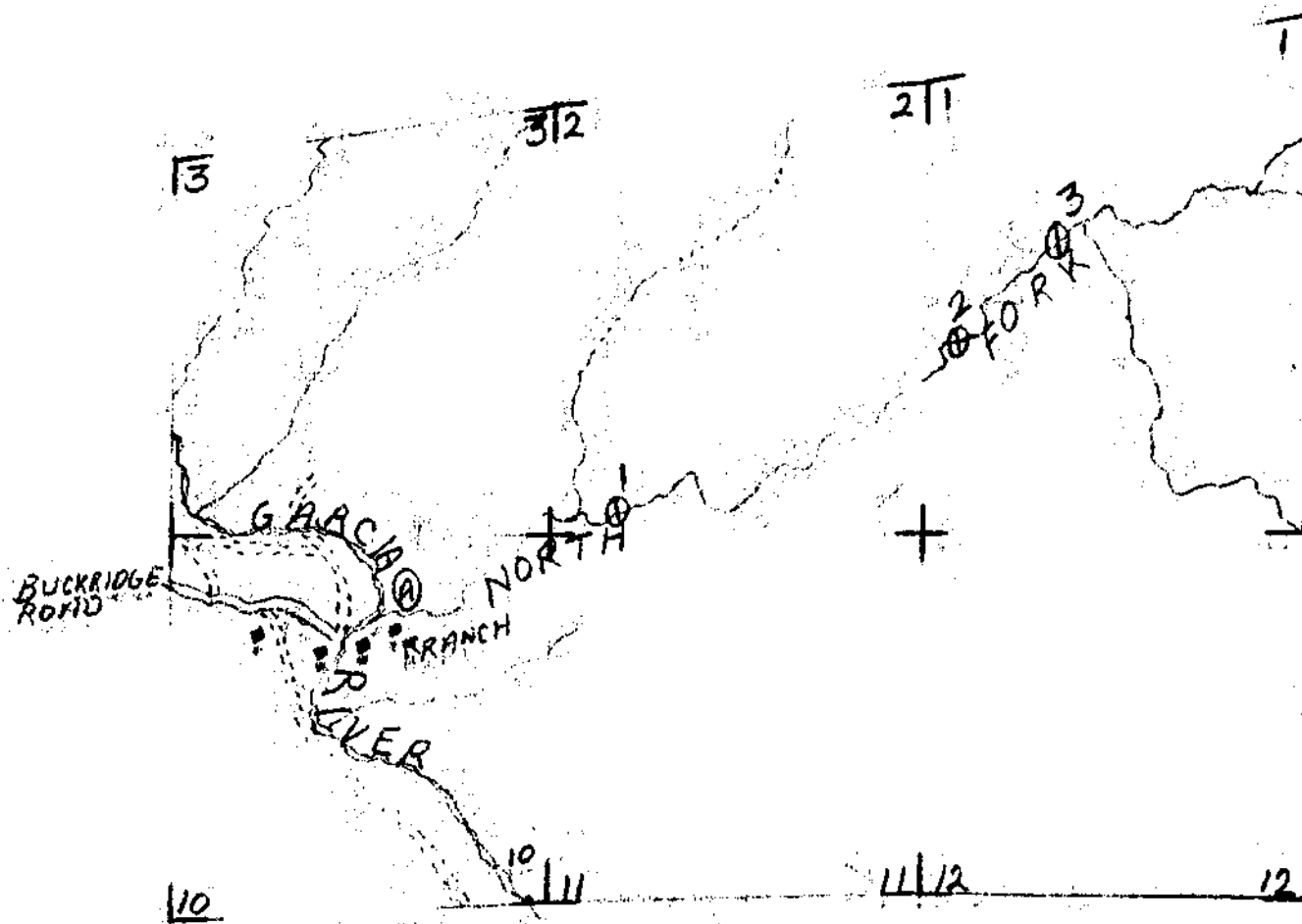
PAST STOCKING - Unknown

GENERAL ESTIMATE - The upper 3 miles of this stream are used heavily as a SH-RT spawning grounds. However, due to extensive logging damage this stream may be rendered useless in the near future as a fisheries stream.

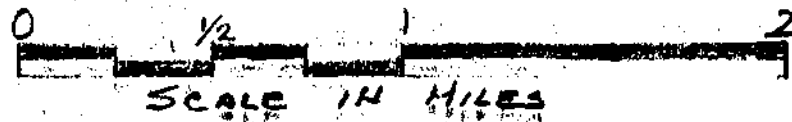
RECOMMENDED MANAGEMENT - This stream should be retained as a fisheries stream. If present obstructions and damage are rectified this stream could be of greater value as a spawning and nursery stream.

SKETCH MAP - Attached (2 pages).

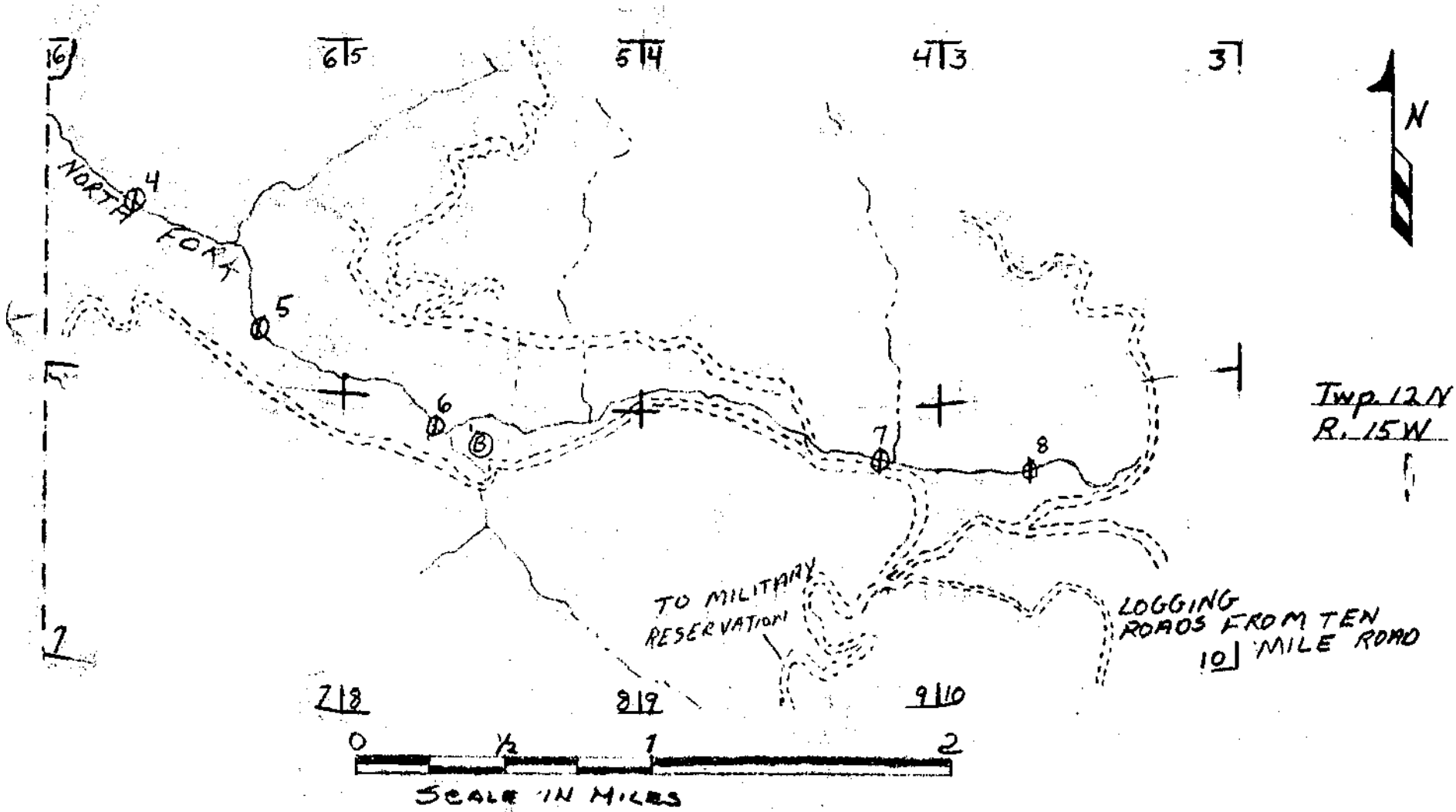
REFERENCES AND MAPS - U.S.G.S. Quad. Point Arena, California - 1960.



Twp. 12N
R. 16W



NORTH FORK GARCIA RIVER
T-12-N R-16-W SEC 10
SHEET 1 OF 2



NORTH FORK GARCIA RIVER
 T-12-N R-15-W SEC 10
 SHEET 2 OF 2