

**CALIFORNIA DEPARTMENT OF FISH AND GAME
STREAM SURVEY**

FILE FORM No _____

NAME BARTON GULCH COUNTY Mendocino

STREAM SECTION _____ FROM HEAD WATERS TO CONFLUENCE WITH NAVARRO RIVER LENGTH 2 mi.

TRIBUTARY TO Navarro River TWP 15N R 16W SEC 7

OTHER NAMES Unknown RIVER SYSTEM Navarro River

SOURCES OF DATA Personal observartion

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
Water Conditions
Pollution
Springs
FISHES PRESENT AND SUCCESS
OTHER VERTEBRATES
FISHING INTENSITY
OTHER RECREATIONAL USE
ACCESSIBILITY
OWNERSHIP
HOSTED OR OPEN
IMPROVEMENTS
FAST STOCKING
GENERAL ESTIMATE
RECOMMENDED MANAGEMENT
SKETCH MAP
REFERENCES AND MAPS

EXTENT OF OBSERVATION - This gulch was checked on foot from its headwaters to confluence with the Navarro River, a distance of approximately 2 miles by James Crowdus on Sept. 27, 1962.

LOCATION - Barton Gulch crosses under State Route 128 at a distance of 6-3/4 miles west of the Comptche Road.

RELATION TO OTHER WATERS - A very small unimportant stream providing water supply except during the late summer months. This creek at one time sustained a very small steelhead and silver salmon run but is presently blocked by a wide marsh and above this, recent logging damage.

GENERAL DESCRIPTION - Watershed & Immediate Drainage Basin - This small stream is located in the -coastal redwoods of Mendocino County and flows from a north to a southerly direction in a good second growth of redwood and alder which covers a loose composition of humus, sand and dirt.

ALTITUDE - the altitude ranges from its mouth which is 350' above sea level to its extreme headwaters which is 400' above sea level.

Gradient - Slight to moderate in lower half of the stream. The other half of the stream is extremely steep, climaxing in a falls approximately 40' high.

Width - Ranged from 0 to 80' wide. The average width was 1'. The swamp area contained many small channels. Estimate the winter width flow is 4' wide.

Depth - Ranged 0 to 1'. Presently intermittent. Average depth on this survey was 4". Estimate winter conditions 2' deep.

Flow - Present summer flow is intermittent. The flow is sluggish and less than 1/4 cfs. Estimate winter flows up to 4 cfs.

Velocity - Present summer velocity sluggish. Winter velocity believed rapid.

Bottom - The lower half of the stream was composed of detritus 40% and silt 40%. The upper half or upper mile composed of bedrock which is 40% and fine rubble 40%, Estimate 20% gravel throughout the entire stream.

Spawning Area - Very poor estimate over-all for this stream* Estimate 10% of the stream is suitable for spawning, this 10% occurring in the mid-section. The extreme upper section too rocky and too steep. The extreme lower section is too marshy and silty.

Pools - Pools are caused by log debris and cut banks. The average pool size is 4' long and 3' wide by 6" deep at this summer observation. A poor pool to riffle frequency ratio exist. There is about 10% pool to 90% riffle. Estimate a 5% increase in pools in the winter.

Shelter - Shelter is considered abundant and very sufficient for fingerling-sized or smaller fish. Shelter consist mainly of stream vegetation. Estimate shelter covers 75% of this stream.

Barrier - A barrier at the mouth and in the vicinity of Route 128 exists in the form of a marsh area, particularly at low water. Another barrier exists in the form of a continuous log jam above this swamp to the extreme gradient area. At the head of this stream gradient which is approximately 1-3/4 miles from the mouth of Barton Gulch, there exists a 40-foot falls.

Diversions-None observed.

Food - None observed. The bottom is extremely silty at this date due to current logging practices.

Temperatures - The water temperature was 60°F., air was 70°F. at 1300 hours, September 27, 1962.

Aquatic Plants - Numerous aquatic and/or marsh lands exist in the swamp area consisting of horsetails, saw-tooth grass, mosses, ferns, cattails and numerous unidentified brushes.

Winter Conditions - Winter conditions believed mild with a rapid runoff. A high water mark at the 1955 flood indicates a 4' rise above the stream banks.

Pollution - None observed,

Springs - None observed.

FISHES PRESENT AND SUCCESS - None observed.

OTHER VERTEBRATES - Deer, racoons, skunks and domestic sheep were observed.

FISHING INTENSITY - Unknown.

OTHER RECREATIONAL USES - Not known.

ACCESSIBILITY - General access via State Highway Route 128, 6-3/4 miles from west of Comptche Road and the headwaters may be reached via the Navarro bridge road. Immediate access is obtained by foot by means of paralleling abandoned logging road. Travel time by foot from the Barton Gulch headwaters to its mouth is approximately 2 hours. There is a locked gate owned by Masonite Lumber Company at the entrance to this logging road at Route 128,

POSTED OR OPEN - This area is posted against trespass by the Masonite Lumber Company and the Aboriginee Redwood Lumber Company.

GENERAL ESTIMATE - This Gulch, a small tributary to the Navarro River system appears to be poor for spawning, nursery and resident steelhead and/or salmon due to its gradient, its length, its bottom composition and the present logging damage existing in the stream. Its main function is to provide a waterflow during the winter and early summer months.

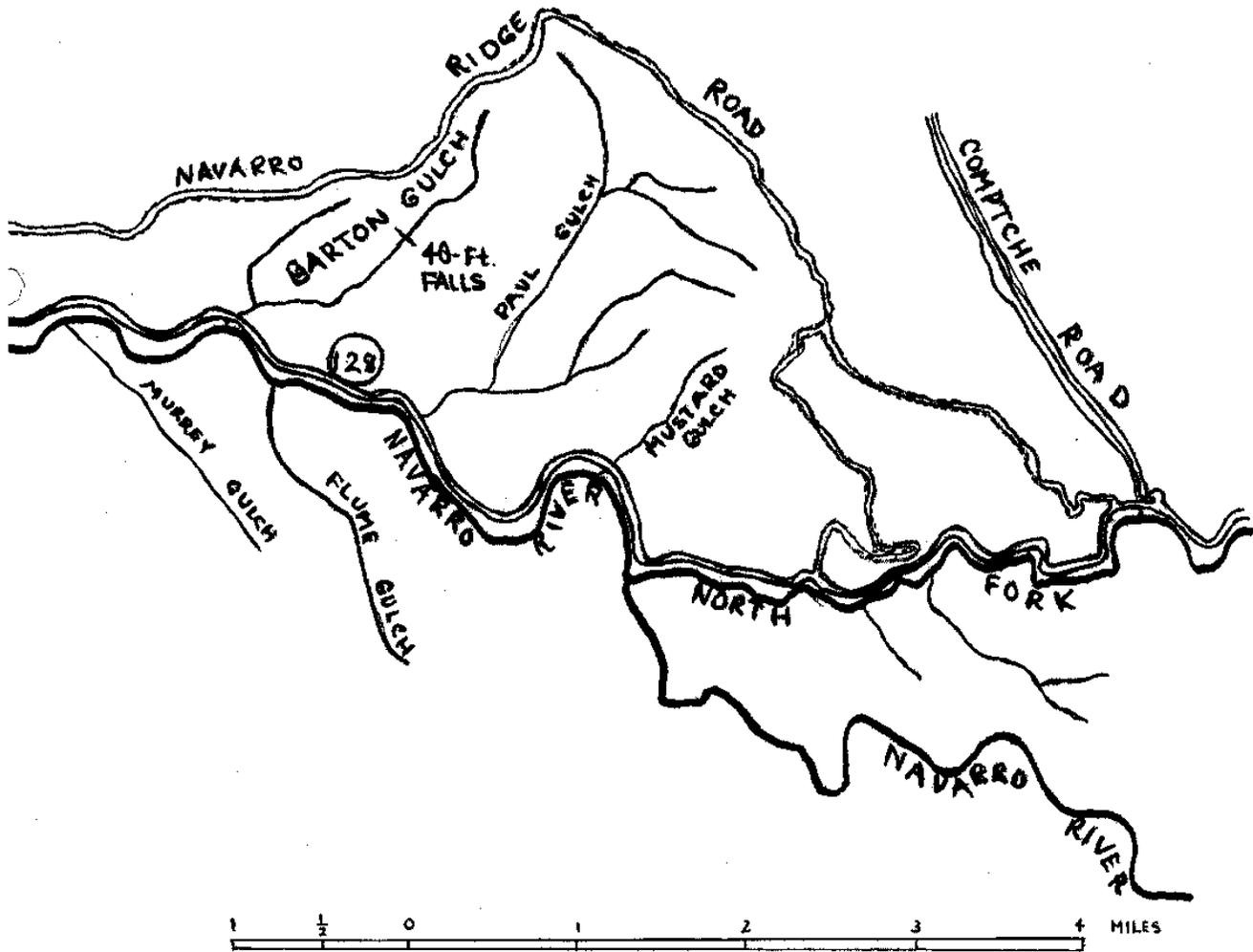
RECOMMENDED MANAGEMENT - Recommend that a channel be opened into the marsh area and that logging damage be removed. This would open approximately 1-3/4 to 1½ miles of fishery value. Further recommend this stream be managed as a nursery and feeding area if the above recommendation is accomplished. Final recommendation is that it be allowed a present status quo if not managed under the above recommendations.

SKETCH MAP - See attached.

REFERENCES & MAPS - Refer to U. S. Geological Survey map, Department of the Army Corps of Engineers, Navarro Quadrangle 15-minute series topographic. Map accuracy considered fair to good. Printed 1947 map.

BARTON GULCH

NAVARRO QUADRANGLE
Twp. 15N R. 16W Sec 7



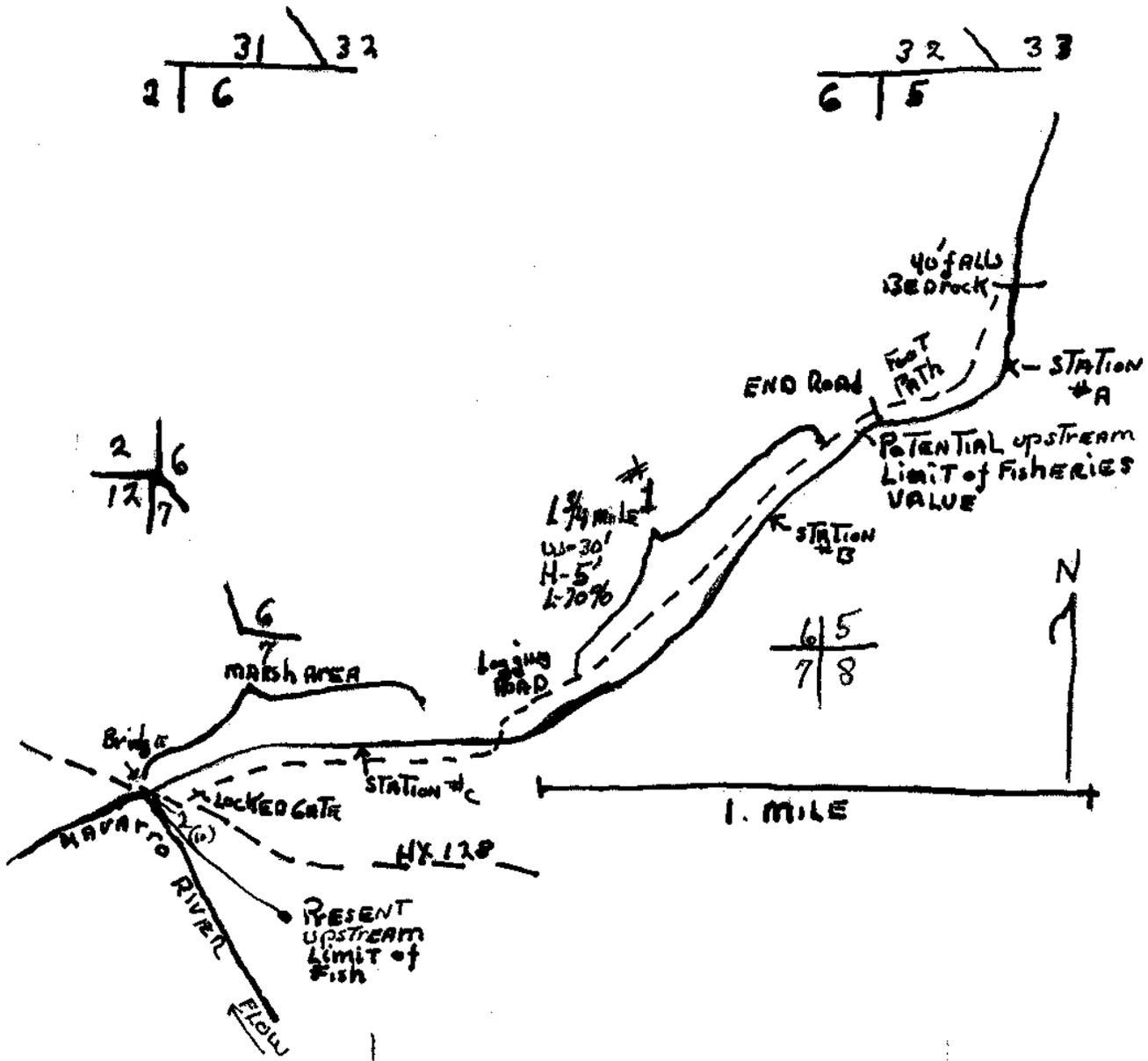
Barton Gulch

T15 N, R15 W, Sec. 7

Spawning and Nursery Area in miles

1. Now satisfactory for SH & SS 0
2. To be improved 1 1/4 miles
3. Available after improvement 1 1/4 miles

Surveyor J. Crowder



ADD 15% FOR DEBRIS
NOT LISTED BETWEEN
NUMBERED JAMS