

RESOURCE PROJECT
STREAM SURVEY

FILE FORM No.....
Date April 15, 1979

NAME.....Thompson Gulch.....COUNTY.....Mendocino.....

STREAM SECTION.....FROM.....mouth.....TO.....head of nav.....LENGTH.....2 mi.....

TRIBUTARY TO.....Little North Fork Big River.....Twp.....17N.....R.....17W.....Sec.....1,12,7,18.....

OTHER NAMES.....Unknown.....RIVER SYSTEM.....Big River.....

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- surveyed on April 2, 1979 by Amy Newby by walking from mouth of stream to head of navigable waters at just under 2 miles.

Location- From Mendocino take Little Lake Rd. 5-1/2 miles East to junction of Rd 408 and Rd 700. Take Rd 700 to Woodlands Camp Assoc. (with permission) then to Camp 2 where stream begins.

Relation to other waters- This stream supplies 2.2 CFS to North Fork Big River in the spring.

General Description- Stream runs in a V-shaped canyon growing steeper at the headwaters. Its mouth is on private park land and it seems rather un-disturbed in recent years. Vegetation is mixed, with evergreen and hardwoods, shrubs and herbaceous plants in profusion.

Altitude- 100-400 ft,

Gradient- 150 ft./mi.

Width- Ranges from 4 ft. to 2 ft.

Flow- At station A (mouth) 2.2 cfs.

Velocity- 1.6 ft./sec. (at 4' width)

Bottom- Medium to small gravel overall (60%) on this stream, although perhaps 10% more than 3".

Spawning Areas- 50% of stream suitable for steelhead spawning, 10% for salmon spawning.

Pools- Numerous pools below the many small falls on this stream, although few are deeper than 3 ft.

Shelter- Good, behind logs and undercut banks.

Barriers- There were 7 log jams noted and 6 main falls. Log; jam # 1- At 100 ft. from mouth the was 6 ft, in diameter trunk laying across stream causing virtually NO passage except some seepage through debris. Jam # 2 passable at high water, 6' w X 2 1/2' H X 15' L. (50 ft. past 2nd bridge). Jam # 3- At 1 mi. in narrow basin with stream diversions during high water. At present impassable although during high water, probably passable. Jam # 4- At 1 1/2 mi. upstream is a complete blockage with small seepage at present. Jam cemented with silt and moss; 2 1/2 X 3' w X 6'1. Jam #5-100 yards past Jam 4; 3' h X 5' w X 4' l with limited passage. Jam #6 with canyon erosion on sides of jam at 1 2/3 mi. upstream. Passable at present. Jam # 7- dam creates a 3 ft. fall through logs. and debris which make it impassable to migraters 10' w X 12' 4 at 1 3/4 mi. upstream.

There were also 6 falls noted. The first three were in the first 1/2 mi. of stream and all are passable at high water. The 3rd was a series of 6 smaller falls

each about 1' to 2' tall with some debris & clutter. The 4th fall at 1/2 mi. was 4' 4 X 3'1 (pool beneath) and impassable at present because of debris overhang and depth of pool, although with further bank erosion the fall could change shape and become passable. 5th fall could possibly be natural barrier at

5 1/2' 4 X 2 1/2 w with 1 1/2' deep pool underneath. (200 yards past Jam 7)

It is impassable at present for migrators and as there is no resting pool at the top and some debris jamming, it would be a difficult barrier even at high water. The 6th fall is a definite natural barrier with a height of 14 ft, with 5 levels of shallow pools and one jump of 8 ft. at 2 mi. up stream.

Diversions- At 1 mi. with rains, land showed signs of stream diversions through a narrowed U shaped section of stream.

Temperature- At mouth 49° F, Air 55° F. Above last fall at 2 mi. 49.5° F. , Air 55° F

Food- Some water larvae noted.

Aquatic plants- swamp grasses.

Pollution- some silt build up in parts of stream.

Fishes present- none seen.

Other vertebrates- Evidence of deer and raccoons.

Fishing intensity- Unknown.

Accessibility- Easily accessible from roads described in "location" section.

Ownership- Woodlands Camp Association.

Posted or open- Posted -

Improvement- Road maintenance near stream.

Past stocking- Unknown.

General estimate- Streams appears to be of good quality for Steelhead spawning, although some salmon spawning could occur.

Recommended management- Suggest removal of log blockage at mouth, and jams 4, 5 & 6.

Also overall debris cleanup of stream would help further blockage from occurring so that spawners could have access to this stream.

sketch map- attached

References- USGS Comptche Quadrangle Series X 795

A.N./ a.d'c.

