

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF FISH AND GAME

STREAM SURVEY

Date: March 18, 1966

NAME: JENNER GULCH CREEK COUNTY: Sonoma

STREAM SECTION: complete FROM: Mouth TO: Headwaters LENGTH: 2½ mi.

TRIBUTARY TO: Russian River TWP: 7N R: 11W SEC: 18

OTHER NAMES: _____ RIVER SYSTEM: Russian River

SOURCES OF DATA: Personal survey and information gained from local residents

<p>EXTENT OF OBSERVATION Include: Name of Surveyor, Date, Etc.</p> <p>LOCATION</p> <p>RELATION TO OTHER WATERS</p> <p>GENERAL DESCRIPTION</p> <p>Watershed</p> <p>Immediate Drainage Basin</p> <p>Altitude (Range)</p> <p>Gradient</p> <p>Width</p> <p>Depth</p> <p>Flow (Range)</p> <p>Velocity</p> <p>Bottom</p> <p>Spawning Areas</p> <p>Pools</p> <p>Shelter</p> <p>Barriers</p> <p>Diversions</p> <p>Temperatures</p> <p>Food</p> <p>Aquatic Plants</p> <p>Winter Conditions</p> <p>Pollution</p> <p>Springs</p> <p>FISHES PRESENT AND SUCCESS</p> <p>OTHER VERTEBRATES</p> <p>FISHING INTENSITY</p> <p>OTHER RECREATIONAL USE</p> <p>ACCESSIBILITY</p> <p>OWNERSHIP</p> <p>POSTED OR OPEN</p> <p>IMPROVEMENTS</p> <p>PAST STOCKING</p> <p>GENERAL ESTIMATE</p> <p>RECOMMENDED MANAGEMENT</p> <p>SKETCH MAP</p> <p>REFERENCES AND MAPS</p>

EXTENT OF OBSERVATION-Jenner Gulch Creek was surveyed on February 24, 1966, by Glenn Brackett and Dave Netherby. The entire stream was checked on foot.

LOCATION-Jenner Gulch Creek runs into the Russian River at the town of Jenner and has its headwaters in the upper reaches of Jenner Gulch.

RELATION TO OTHER WATERS-Jenner Gulch Creek is a spawning and nursery area for steelhead. Silver and king salmon have been reported to use this stream for spawning purposes.

GENERAL DESCRIPTION -

Watershed & Immediate Drainage Basin-Jenner Creek originates from mountain springs, runs down a steep, rocky gulch, leveling off toward the mouth. The drainage basin is densely shaded throughout. The watershed is moderately steep, composed primarily of grasslands with small Douglas fir groves. There is little cultivation, this is rangeland for sheep, cattle and horses with light and sandy soil.

Width-Average - ten feet, range - six to twelve feet.

Flow-Measured with pigmy meter one-half mile upstream from the mouth at 6.7 c.f.s.

Velocity-Rapid throughout, one to two feet per second. It became torrential toward the headwaters.

Bottom-The bottom consisted primarily of boulders and coarse rubble with bedrock, gravel, sand and silt also present in some areas. See field survey form for percentage.

Spawning Areas - There are very few spawning areas and those present are relatively poor. The gravel is either too large, or small and silted in. See map for best areas.

Pools - The pools are excellent, caused by undercut banks, log jams, and boulders. They are 1-4 feet deep, 6-12 feet long, and 4-12 feet wide. Pools predominate in the lower and middle sections of the stream. Frequency of pools to riffles, 70% to 30%.

Shelter - The shelter is good throughout, composed of roots, boulders, overhanging brush, and trees.

Barriers - One presumably complete log jam barrier was found in the upper-middle section of the stream. Also, there were 3-4 partial log jam barriers, one small concrete dam (2 feet high), and many complete and partial boulder barriers. These boulder barriers, however, were primarily in the uninhabitable headwaters (uninhabitable because of steep gradient).

Diversions - No diversions were observed.

Temperatures - The water temperature in the stream was 50°F., the air temperature was 52°F.

Food - Unknown.

Aquatic Plants - None observed.

Depth - Average - one foot, range - one-half to four feet.

Pollution - None observed.

FISHES PRESENT AND SUCCESS - One steelhead and/or rainbow trout was observed in the stream. It was four inches long. The condition of this fish was good but overall abundance and success of fish in the stream is not known.

FISHING INTENSITY - Unknown, but believed to be light.

OTHER RECREATIONAL USE -

ACCESSIBILITY - Highway 1 crosses Jenner Gulch Creek where the stream runs into the Russian River, at Jenner, and the headwaters can be reached from a dirt road that winds up the mountain above the town.

POSTED OR OPEN - The lower parts of the stream are open. The upper reaches are fenced but do not seem to be posted against trespass.

PAST STOCKING - Unknown.

ADDITIONAL DATA - This creek originates from mountain springs. The town of Jenner has built a cistern near these springs to provide their water supply. The flow of the creek consists only of the water that spills over this cistern and the lower dam, thus the flow during the summer is quite low. A resident of the area told us that king salmon had spawned in Jenner Creek in past seasons, but the eggs had rotted due to the high temperature of the water. (This spawning had taken place in August.)

GENERAL ESTIMATE - Jenner Gulch Creek provides good habitat for trout but has relatively poor spawning areas.

RECOMMENDED MANAGEMENT - Removal of some of the major log jams and rock barriers would make more of the stream available to anadromous fish and might improve the spawning areas. Continue to manage the stream primarily as a spawning and nursery area for SH/RT. Silver salmon might be reintroduced. Also that this stream be considered important "escape habitat" for downstream migrants during flood conditions.

D. Netherby:sd

Jenner Creek or

Jenner Gulch Creek

Important Statistics

Miles of Stream Surveyed 2 1/2

Miles of Stream Presently Available 1.4

to spawning 1.4

to anadromous fish 1.4

Key

— spawning areas

— best " "

— nursery " "

