

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

FILE FORM No \_\_\_\_\_

NAME PERRY GULCH COUNTY Mendocino

STREAM SECTION entire FROM Headwaters TO Mouth LENGTH 3 mi.

TRIBUTARY TO Navarro River TWP 15N R 16W SEC 25

OTHER NAMES Unknown RIVER SYSTEM Navarro River

SOURCES OF DATA Personal survey on foot.

- 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
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- Bottom
- Spawning Areas
- Pools
- Shelter
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- FISHING INTENSITY
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- RECOMMENDED MANAGEMENT
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EXTENT OF OBSERVATION - The entire creek from its headwaters at State Route 128 to the mouth including the fishery value tributary to the northwest was walked out a distance of approximately 3 miles by Seasonal Aid Doug Stuart on September 26, 1962.

LOCATION - Perry Gulch is located approximately .4 miles east of the Navarro City Limit sign on Route 128 and runs in a north-south direction.

RELATION TO OTHER WATERS - This is a small sized tributary providing winter flow and fair spawning and nursery area for the Navarro River drainage.

GENERAL DESCRIPTION - Watershed - Perry Gulch has a watershed of approximately 8 square miles.

Immediate Drainage Basin - This is a v-shaped type canyon with rolling hills in the coastal transition zone. The terrain is covered with scrub oak, alder, manzanita and scattered redwood. The soil consists of shale, rubble and sand. The vegetation along the stream primarily is poison oak with occasional alder and scrub oak. Shade covers 80% of this stream.

Altitude - Ranges from 220 ft. above sea level at the mouth to 325 ft. at the extreme headwaters.

Gradient - Considered moderate to slight with a 6 ft. rise - 150 ft. at its moderate area and 6 ft. per 100 ft, in the slight area.

The overall estimate of gradient is slight. The moderate area is located in the upper half of the main and northwest tributary. The slight

area is in the lower half of the stream.

Depth - The stream was dry on this date - estimate a 2-ft, average depth at winter conditions. The high water mark is 4 ft.

Width - The range is 3 inches to 12 ft. Average 3 ft. The widest area is 1/4 mile from the mouth and at the junction of the northwest tributary. The above measurements are given as a summer dry bed reading. Three pools were observed in the mid main stream section and averaged 18 inches in width and length.

Flow - Intermittent, Plow observed this date was 4 cfs average.

Velocity - Nothing this date. Estimated run sluggish to rapid.

Bottom - The bottom has a uniform distribution of coarse gravel which is 20%. fine gravel 40%, sand 25%, silt 10% and small rubble 5%.

Spawning Areas - It is estimated that 80% of the main stream and 60% of the northwest tributary is suitable for nursery area. The best spawning area of the entire drainage totals 30%. This area, is located in mid and lower end of the main stream. Some evidence of cementing of gravel by silt was observed.

Pools - Three small pools were observed caused by silted in debris. The average width of the estimated pool is 4 ft. long, 3 ft. wide, 3 inches deep. This is estimated as the stream is 99% dry at this survey. Estimate the best pool-riffle ratio is 30% pools-70% riffles and approximately 2 cfs maximum.

Shelter - Considered abundant caused by undercut banks, jams and overhanging brush. The overhanging brush is immediately related to the stream.

Barriers - A potential or partial barrier exists at the mouth of Perry Gulch, This barrier consists of logs and logging debris for about 100 ft. The void area is extremely high. There is a slight possibility this may wash out during high winter flow. An earth dam at the northwest tributary to the headwaters near the yellow house is now under construction. This dam is for domestic water use in a new housing development and will impound approximately 40 surface acres. This dam is also located above the potential fishery value and is felt to have little effect on the reduction of the winter flow to this stream.

Diversions - No diversions observed.

Temperatures - The water temperatures in the three pools were 58° F. The air temperatures ranged from 62° F. to 68° F. at 1000-1200 hours.

Food -As there were no caddis fly larvae existing at this time, many unidentified snails existed in the three pools observed. From this it is estimated that the food supply at winter flow is adequate. Scar marks from various types of larvae and remnants of larvae cocoons or cases were common.

Aquatic Plants - Estimated to be rather scarce throughout the stream. Dried algae mats were observed occasionally. It is felt these were existing at the late stages of the water level,

Winter Conditions -Estimated to be mild; do not expect a severe runoff from heavy rains.

Pollution None observed.

Springs - None observed.

FISHES PRESENT AND SUCCESS - Fishes present were unidentified  $\frac{3}{4}$  inch fish. Abundance was 30/pool of the three small stagnant pools that remained. Their success was excellent, condition good, natural propagation, yes. Estimate these three small pools will dehydrate within 30 days unless augmented by early winter rain.

OTHER VERTEBRATES - Deer, domestic sheep, racoon, skunk.

FISHING INTENSITY - None indicated.

OTHER RECREATIONAL USES - None observed. Estimate hiking, limited fishing by friends of the landowners of the stream area.

OWNERSHIP - Private.

POSTED OR OPEN - It is posted and locked.

ACCESSIBILITY - Jeep access road parallels 50% of the main stream and all of the fishing value on the northwest tributary. Perry Gulch may be reached on State Route 128, a distance of .4 miles east of the Navarro City Limit sign on State Route 128. A jeep road parallels the main stream for  $\frac{3}{4}$  of its length then parallels the northwest tributary for a distance of .8 miles. There are numerous gates unlocked within this area. There is also a Masonite Lumber Company logging road crossing the Perry Gulch at its mouth at the Navarro River, The walking time for Perry Gulch is estimated at  $3\frac{1}{2}$  hours.

IMPROVEMENTS - None noted. Construction of the dam in the upper headwaters is currently underway and occasional new jeep trails or improvement of jeep trails across the stream were observed. Otherwise, no improvements in the stream or to fishery habitat.

PAST STOCKING - None known.

GENERAL ESTIMATE - Perry Gulch is a small tributary to the Navarro drainage. This gulch runs in a north to south direction approximately 3 miles long. There is one tributary to the northwest entering Perry Gulch approximately  $\frac{3}{4}$  mile from the mouth.

General Estimate (continued)

This tributary is the only tributary of fisheries value. Perry Gulch and its drainage wandered through rolling coastal hills. The immediate vegetation is oak, alder, fir and occasional redwoods. Poison oak abounds along this stream area\* Considerable logging debris exist for the entire area of the stream and its tributary. The lower main stream has debris piles every 100 feet or so. The stimated void area of this logging material is high - 80%. An earth dam impounding 40 A.F. is being built at a northwest tributary in the headwaters near the yellow house. This dam is above the fishery value potential. The loss of water contribution to Perry Gulch because of this dam is thought to be minor. There is no spillway or any other type of terrain constructed at this dam at present. The stream bottom of Perry Gulch is uniform consistency of gravel, sand and silt. The spawning area is 50% of the stream with a nursery area of about 80%, Shelter is abundant. Pool to riffle ratio is 30% pool to 70% riffle. The flow on this date was non-existent. Only stagnant pools existed. These harbored many unidentified fish of the same species in good condition. The average length of these unidentified fish was 3 inches. Access to Perry Gulch from Route 128 is by jeep trail down the main stream and then up the fishery value northwest tributary for a distance of .8 miles on this tributary, A Masonite Lumber Company road exists along the Navarro River at the mouth of Perry Gulch. All other access is made by foot. Ownership is private and it is posted.

RECOMMENDED MANAGEMENT - Remove the logging debris that exist along this stream. Improve the jeep trails crossing the stream with bridges with appropriate and adequate culverts under this road if the roads are of major importance. Recommend the stream be managed as a steelhead and salmon nursery and spawning area and that no other changes be initiated, REFERENCES AND MAPS - Map accuracy fair, U.S. Army Corps of Engineers Navarro Quadrangle 1943, 15-minute series topographic.

Douglas Stuart:Jim Crowdus/cd  
1-14-63

# PERRY GULCH

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NAVARRO QUADRANGLE  
Twp: 15N R: ~~15W~~<sup>16W</sup> SEC: 25  
MENDOCINO COUNTY

