

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF FISH AND GAME

STREAM SURVEY

File form No. _____ Date: July 8, 1970
NAME: Jenner Gulch **COUNTY:** Sonoma
STREAM SECTION: _____ **FROM:** Mouth **TO:** Upper fish limit **LENGTH:** .8 mi.
TRIBUTARY TO: Russian River **TWP:** 7N **R:** 11W **SEC:** 18
OTHER NAMES: Not known **RIVER SYSTEM:** Russian River
SOURCES OF DATA: Personal observation of C. W. Parke and R. R. Klant on July 8, 1970.

- 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 - Jenner Gulch on foot from mouth to upper fish limit .8 miles upstream.

LOCATION - Jenner Gulch flows into the Russian River at Jenner.

RELATION TO OTHER WATERS - Jenner Gulch flows into the Russian River at Jenner just before the river enters the Pacific Ocean.

GENERAL DESCRIPTION -

Watershed - Immediate Drainage Basin - Jenner Gulch exists as a U-shaped canyon forested with redwood, willow, maple, and alder. The total area of drainage is 2.1 square miles.
Altitude - At mouth, less than 25 feet, and at upper fish limit, 350 feet.
Gradient - 375 feet per mile.
Width - Average in riffles 6 inches to 2 feet, and in pools 3 feet to 5 feet.
Depth - Average in riffles ½-3 in., and in pools 4-36 in.
Flow - Averaged ¼ cfs.
Velocity - Rapid in riffles. Almost standing still in pools.
Bottom - Average: silt - 15%; sand - 5%; pea-sized - 15%; marble-sized - 10%; ping pong-sized - 5%; baseball-sized - 5%; intermediates - 10%; basketball-sized - 15%; 3 ft. diameter and lar[g]er - 20%.
Spawning Areas - Ranged from 40-45% in the lower stretches, decreasing to about 20-30% at upper fish limit.
Pools - Average 20-30%. Mostly formed by large boulders, with logs providing some of the pools. Average dimensions: width - 3-5 ft. depth - 20 in. length - 3-4 ft.

Shelter - Vegetation one of the chief factors, with undercut banks and areas around large boulders providing most of the shelter. Average 1 foot shelter to 7 feet of stream.

Barriers - 5 complete log jams hampering salmonid migration and 1 incomplete, but potential jam.

Diversions - A concrete diversion built in 1943 with a pump house to pump water from the stream to a residence.

Temperatures - On July 8, 1970 at a point .6 miles upstream from the mouth at 0945:
 Altitude - 250 ft. Weather - foggy. Air - 60°F. Water - 51°F.

Food - Caddisfly and mayfly larvae, aquatic beetles, stonefly larvae, gnats, water striders.

Aquatic Plants - None.

Winter Conditions - Flow 3 feet above summer level.

Pollution - None noted.

Springs - Numerous small springs in the upper stretch.

FISHES PRESENT AND SUCCESS-Steelhead Rainbow Trout: Size - 1½-3 inches. Abundance - 25-50 fish per 100 feet of stream.

OTHER VERTEBRATES-Frogs, salamanders.

FISHING INTENSITY-Not known.

OTHER RECREATIONAL USE-Not known.

ACCESSIBILITY-Accessible from California State Highway 12 at Jenner on foot. Willig Avenue in Jenner will take one fairly close to the stream just below the upper fish limit.

OWNERSHIP-Unknown.

POSTED OR OPEN-Open.

IMPROVEMENTS-Removal of 6 log jams.

GENERAL ESTIMATE-Good spawning grounds are found in this .8 mile stretch of Jenner Gulch. These grounds could be improved by removing existing log jams. This stretch also affords good nursery grounds and an abundance of shelter.

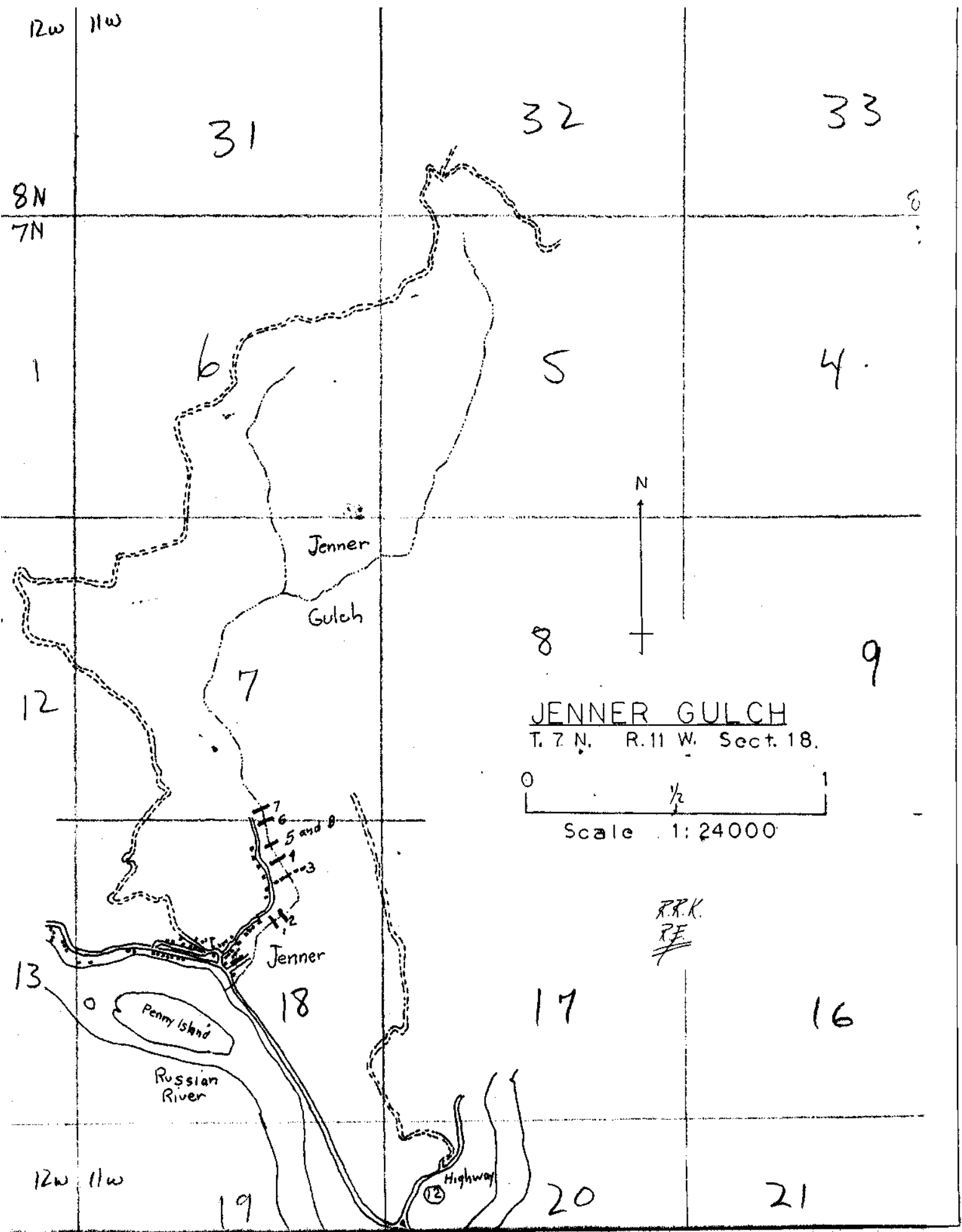
RECOMMENDED MANAGEMENT-Clearance of 6 log jams, 5 of which are complete blocks and hamper fish migration, and 1 of which is an incomplete, but potential log jam.

SKETCH MAP-Attached.

REFERENCES AND MAPS-U.S.G.S. 7½ minute series (Duncans Mills Quad.) 1943. Scale: 1 to 24,000.

LOG JAM DIMENSIONS: JENNER GULCH

- 1 - 40x40x15
 - 2 - 12x14x6
 - *3 - 8x28x4
 - 4 - concrete diversion with pump house.
 - 5 - 30x20x7
 - 6 - 20x25x5
 - 7 - 25ft. bedrock and boulder falls (UFL).
- * Incomplete, but potential jam.



12w 11w

31

32

33

8N

7N

8

1

6

5

4

Jenner

Gulch

8

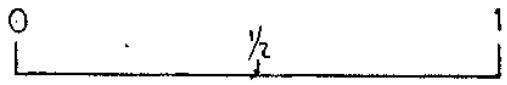
9

12

7

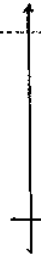
JENNER GULCH

T. 7 N. R. 11 W. Sect. 18.



Scale 1:24000

N



Jenner

Penny Island

Russian River

13

18

17

16

12w 11w

19

⑫

Highway

20

21

R.R.K.
R.E.