

THE RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF FISH AND GAME

STREAM SURVEY

Date: September 6, 1977  
 NAME: Kohute Gulch COUNTY: Sonoma  
 STREAM SECTION: entire FROM: Mouth TO: Headwaters LENGTH: 1.2 miles  
 TRIBUTARY TO: Austin Creek TWP: 7N R: 11W SEC: 2  
 OTHER NAMES: none known RIVER SYSTEM: Russian  
 SOURCES OF DATA: Personal observation

<b>EXTENT OF OBSERVATION</b>
Include: Name of Surveyor, Date, Etc.
<b>LOCATION</b>
<b>RELATION TO OTHER WATERS</b>
<b>GENERAL DESCRIPTION</b>
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
<b>FISHES PRESENT AND SUCCESS</b>
<b>OTHER VERTEBRATES</b>
<b>FISHING INTENSITY</b>
<b>OTHER RECREATIONAL USE</b>
<b>ACCESSIBILITY</b>
<b>OWNERSHIP</b>
<b>POSTED OR OPEN</b>
<b>IMPROVEMENTS</b>
<b>PAST STOCKING</b>
<b>GENERAL ESTIMATE</b>
<b>RECOMMENDED MANAGEMENT</b>
<b>SKETCH MAP</b>
<b>REFERENCES AND MAPS</b>

Kohute Gulch was surveyed on foot from its mouth upstream to unnamed tributary S-2 by Valli Boccone on September 6, 1977. Kohute Gulch is a small tributary to Austin Creek located in western Sonoma County. It flows in a westerly direction entering Austin Creek 1.2 miles upstream from the confluence of Austin Creek and the Russian River.

Kohute Gulch contributes winter flows to Austin Creek and provides spawning habitat for steelhead and possibly silver salmon. The drainage area consists of approximately 1.3 square miles of mixed conifer-hardwood forest. Streamside vegetation includes redwood, oak, red alder, Douglas fir, bay, madrone, fern, poison oak, oxalis, annual grasses, and sedges. Kohute Gulch was dry with the exception of one small pool (2'x4'x3") located in the mid-section. The overall bottom type consisted of 2% bedrock, 25% boulder, 35% rubble and 20% gravel, 15% sand and mud, and 3% silt. The altitude is 25' MSL at the mouth and 450' MSL at unnamed tributary S-3. Gradient is moderate (8.3 ft/100 ft).

Several homes are located in the lower section of the creek. A dirt road parallels the creek from the intersection of Austin Creek Road to 0.2 miles upstream. The channels in this area ranged from 8-25 ft wide with a bottom type consisting predominantly of gravel and rubble. The gradient was slight. Canopy provides 40-60% overhead cover.

The mid section of the creek flows through a narrow gorge from unnamed tributary S-1 to S-2. In this section two small partial log jams were observed (see sketch map). The small pool was observed in this section. The pool was shallow consisting of some aquatic insects and green filamentous algae. No fish were observed. Water temperature was 73°F. and air temperature was 90°F. at 1400. The channel ranged from 5 to 10 feet wide. Large rubble and boulders were predominant, with some bedrock. The area may prevent fish passage due to the steep gradient and bottom type. Canopy in this area provides 70-90% overhead cover.

The upper section from tributary N-1 to 0.3 miles upstream, the gradient becomes moderate to steep. Stream channels are wider on an average than in the mid-section. (5 ft to 15 ft). The bottom type is dominated by rubble. Small rubble and gravel is more common. Canopy provides 50-70% overhead cover.

Kohute Gulch had no fishery value at the time of this survey. During the winter the creek is subject to heavy winter runoff. Channels ranged from 5 to 25 ft wide and the winter water line indicates depth from 1 to 6 feet. During the winter months 15% of Kohute Gulch may be considered good spawning habitat. Gravel is loose and relatively clean. Some nursery habitat is probably available during the spring and early summer. Shelter for pools is provided by boulders, undercut banks, and roots.

Alan Baracco  
Assistant Fishery Biologist  
Region 3

AWBkls

# KOHUTE GULCH

T 7 N, R 11 W, Sec. 2



## LEGEND

UNPAVED ROAD ---  
PAVED ROAD ===  
LOG JAM X  
UPPER FISH LIMIT Z  
UNNAMED TRIBUTARY S-1  
SECTION NUMBER 2