

THE RESOURCES AGENCY OF CALIFORNIA
CALIFORNIA DEPARTMENT OF FISH AND GAME

STREAM SURVEY

File form No. _____ **Date:** December 29, 1970

NAME: Mission Creek **COUNTY:** Sonoma

STREAM SECTION: _____ **FROM:** Mouth **TO:** Upper fish limit **LENGTH:** 2.3 mi.

TRIBUTARY TO: Hulburt Creek **TWP:** 8N **R:** 11W **SEC:** 25

OTHER NAMES: _____ **RIVER SYSTEM:** Russian River

SOURCES OF DATA: Personal observation of C. W. Parke and R. Klamt 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-Tributary #1 of Hulburt Creek from mouth to upper fish limit, 2.3 miles upstream.

LOCATION-Tributary #1 flows into Hulburt Creek 1.5 miles upstream from mouth.

RELATION TO OTHER WATERS-Hulburt Creek flows into the Russian River at Guernwood Park.

GENERAL DESCRIPTION -

Watershed - Immediate Drainage Basin - Bowl to U-shaped canyon with gentle to rough terrain, forested with redwood, laurel, oak, and maple. Total drainage area is 1.6 square miles.

Altitude - At mouth, 100 ft. At upper fish limit, 600 ft.

Gradient - 217 ft. per mile.

Width - Riffles ranged from 1 ft. to 3 ft.; pools from 2 ft. to 5 ft.

Depth - Riffles from 3/4 - 4 inches; pools from 3 - 20+ inches.

Flow - 1/4 cfs.

Velocity - Rapid.

Bottom - Averaged silt-25%; sand-10%; pea gravel-25%; marble gravel-10%; pingpong gravel-10%; baseball gravel-10%; intermediate rubble-5%; basketball rubble-5%.

Spawning Areas - Average 35-55%. Spawning areas good in upper stretches, but no nursery grounds present there.

Pools - Average 25-40%. Average dimensions: 3-6 ft. long, 2-4 ft. wide, and 3-20+ inches deep.

Shelter - Mostly undercut banks and large rubble. Average 1 ft. shelter per 10 ft. stream.

Barriers - 6 complete log jams.

Diversions - None noted.

Temperatures - At a point .5 miles upstream from mouth on July 8, 1970 at 1335: Altitude - 150 ft. Weather - clear. Air - 70°F. Water - 65°F.

Food - Caddisfly and mayfly nymphs.

Aquatic Plants - Algae.

Winter Conditions - Flow 2-5 ft, above summer level.

Pollution - None noted.

Springs - Some small springs noted.

FISHES PRESENT AND SUCCESS - Steelhead Trout and Silver Salmon, Sizes: SS - 3-5 in. SH - 1-2 1/2 in, 3-5 in. Abundance: SS - scattered. SH - 50-150 per 100 ft. stream.

OTHER VERTEBRATES - Frogs.

FISHING INTENSITY - Not known.

OTHER RECREATIONAL USE - Summer homes, picnicking, hiking.

ACCESSIBILITY - Accessible from Old Cazadero Road at a point 1.5 miles North of California Highway 12.

OWNERSHIP - Unknown.

POSTED OR OPEN - Posted.

IMPROVEMENTS - Removal of 6 log jams.

GENERAL ESTIMATE - Tributary #1 of Hulburt Creek offers roughly 2 miles of good spawning grounds and 2 miles of rearing grounds for Silver Salmon and Steelhead. With the removal of the 6 log jams hampering fish travel; this section of stream could become more productive.

RECOMMENDED MANAGEMENT - Clearance of 6 complete log jams.

SKETCH MAP - Attached.

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

Hulburt Creek

Tributaries 1 and 2

T. 8 N. R. 11 W. Sect. 24+25



Scale 1:24,000

19 N

