

THE RESOURCES AGENCY OF CALIFORNIA
Department of Fish and Game

STREAM SURVEY

File form No. _____ Date: _____

NAME: Black Rock Creek **COUNTY:** Sonoma

STREAM SECTION: _____ **FROM:** Mouth **TO:** upper fish limit. **LENGTH:** 2.6 mi.

TRIBUTARY TO: East Austin Creek **TWP:** 8 N **R:** 11W **SEC:** 10

OTHER NAMES: Not known **RIVER SYSTEM:** Russian

SOURCES OF DATA: Personal observation of R. Klamt and R. Edwards on August 11, 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 : Black Rock Creek on foot from mouth to upper fish limit 2.6 miles upstream.

LOCATION : Black Rock Creek flows into East Austin Creek 3.4 miles North of the confluence of East Austin and Big Austin

RELATION TO OTHER WATERS : East Austin Creek flows into Big Austin Creek 6.6 miles North of Monte Rio.

GENERAL DESCRIPTION :

Watershed and Immediate Drainage Basin : U to V-shaped canyon with rough terrain and forested with redwood, alder, oak, and laurel. Total drainage area is 3 square miles.

Altitude : At mouth, 150 ft. At upper fish limit, 650 ft.

Gradient : 192 feet per mile.

Width : Average; riffles - 2 ft. pools - 4 ft.

Depth : Average: riffles - 2 in. pools - 1 ft.

Flow : Estimated at 1/4 cfs.

Velocity : Moderately rapid.

Bottom : Average: silt - 10%; sand - 10%; pea gravel - 15%; marble gravel - 15%; ping pong gravel - 20%; baseball gravel-10%; intermediate gravel - 10%; basketball rubble - 10%.

Spawning Areas : Averages 60%. Large rubble and compact substrate tend to lower spawning area in higher stretches.

Pools : 60% frequency. Average size: depth - 1 ft. width - 4 ft. length -10 ft.

Shelter : Good - 5 ft. shelter per 10 ft. stream. Mostly from vegetation, undercut banks, and boulders.

Barriers : 10 complete log jams and 13 incomplete, but potential jams.

Diversions : None noted.

Temperatures : At mouth on August 11, 1970 at 1234: Altitude - 150 ft.

Weather - clear. Air - 82°F. Water - 66°F.

Food : Caddisfly, mayfly, and aquatic beetle larvae, aquatic beetles.

Aquatic Plants : Algae.

Winter Conditions : flow 4-6 ft. above summer level.

Pollution : None noted.

Springs : Few noted.

FISHES PRESENT AND SUCCESS : Silver Salmon and Steelhead Trout: Sizes – SS - 2-3 ins.; SH - 1-2 in. 3-12 in. Abundance - SS - 25/100 ft. SH - 50/100 ft

OTHER VERTEBRATES : Frogs, salamanders.

FISHING INTENSITY : Not known.

OTHER RECREATIONAL USE : Hunting.

ACCESSIBILITY : Accessible from a dirt road that branches off the Kings Ridge Road 1 mile North of the junction of Fort Ross Road and Kings Ridge Road. Key available from Bob Schneider.

OWNERSHIP : W. Barnes, Bob Schneider, Lions Head Club.

POSTED OR OPEN : Posted.

IMPROVEMENTS : Clearance of 23 log jams.

PAST STOCKING :

GENERAL ESTIMATE : Black Rock Creek offers roughly 2.6 miles of good spawning and rearing area for Salmonids. The good shelter and frequency of pools enhances its possibilities of becoming more productive. With the removal of the 23 log jams, this stream would be more accessible to Salmonids, increasing production.

RECOMMENDED MANAGEMENT : Clearance of 23 log jams, 10 of which are complete blocks, and 13 of which are incomplete, but potential jams.

SKETCH MAP : Attached.

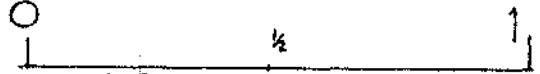
REFERENCES AND MAPS : U.S.G.S. 7½ minute series (Cazadero Quad.) 1943. Scale: 1 to 24,000.

LOG JAM DIMENSIONS I BLACK ROCK CREEK

9 - 30x20x10	14 - 45x45x7
8 - 15x20x4	*15 - 50ft, roots & loose logs.
*7 - 4x4x5	16 - 25x30x5
6 - 6x16x5	17 - 20x15x4
*5 - 14x6x5	*18 - 100yd. loose logs.
*4 - 15ft. stump.	*19 - 40x25x10
3 - 15x20x5	20 - 45x25x8
*2 - 65ft. loose logs.	*21 - 150ft. loose logs.
*1 - 50ft. loose logs.	*22 - 10x25x3
*10 - 15x25x5	*23 - 50x25x7
*11 - 2ft. diameter log.	
12 - 100x50x7	* Incomplete, but potential
13 - 75x50x10	log jams.

BLACK ROCK CREEK

T 8 N R 11 W SEC 10



SCALE 1:24000

