

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
**PHYSICAL AND BIOLOGICAL STREAM
SURVEY REPORT**

31 JULY 1973
Date
Surveyor **Neil B. Armantrout**
Agency **B L M**

2. Stream COBB CREEK	a. Tributary BIG SULFUR	b. Basin Russian River	
3. Location (stream mouth)	Township T 11 N	Range R 8 W	Section S 19
4. County SONOMA	5. State Administration Unit Number	Code Number	

6. PHYSICAL SURVEY DATA

a. Station mouth	to: cascades area, 1/8 mile	distance (miles)																		
b. Stream width (average)		c. TURBIDITY (Visibility in feet)																		
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">MUDDY</th> <th colspan="2">MURKY</th> <th colspan="2">CLEAR</th> </tr> <tr> <td style="text-align: center;"><.5</td> <td style="text-align: center;">.5-1</td> <td style="text-align: center;">1-2</td> <td style="text-align: center;">2-5</td> <td style="text-align: center;">5-10</td> <td style="text-align: center;">10 +</td> </tr> <tr> <td colspan="4"></td> <td colspan="2" style="text-align: center;">XX</td> </tr> </table>	MUDDY		MURKY		CLEAR		<.5	.5-1	1-2	2-5	5-10	10 +					XX	
MUDDY		MURKY		CLEAR																
<.5	.5-1	1-2	2-5	5-10	10 +															
				XX																
1-15 ft. today _____ _____ ft. when _____ spawn _____ ft. when _____ spawn		d. Jackson Turbidity Units																		
e. Temperature: Air 88 °F., Water 76 °F., Time 1600 , Flow (cfs) Now 1 , High _____ , Low _____																				

f. GRAVEL, POOL AND RUBBLE AREA	SUBSECTION	FISH SPECIES	GRAVEL (sq. yards)			POOLS		RUBBLE (sq. yards)	TOTAL (sq. yard's)
			GOOD	MARGINAL	TOTAL	SQ. YARDS	DEPTH		
	0.00-0.125		8	19	27	200	2-3	380	
	Total								

g. PERCENT OF SECTION IN POOLS											h. Gradient	
0	10	20	30	40	50	60	70	80	90	100	<input checked="" type="checkbox"/> Steep (2.5 + %) <input checked="" type="checkbox"/> Moderate (1.0 to 2.5 %) Flat (0 to 1 %)	
			35									

i. AVERAGE STREAM AREA SHADED (percent)											j. STREAMSIDE COVER TYPE						
0	10	20	30	40	50	60	70	80	90	100	LOGGED WITHIN (years)		GROWTH		HERB	OTHER	
									90		0-5	6-10	2nd	OLD			
																X	

7. FISH SPECIES, SIZE, AND ABUNDANCE

a. Method of collection									
SPECIES	SIZE	NUMBER PER 100 FT.			SPECIES	SIZE	NUMBER PER 100 FT.		
		0-5	6-50	50 +			0-5	6-50	50 +
Warmwater	to 6"			X	Section one only				

8. LIMITING FACTORS

BARRIERS (type)				HEIGHT (ft.)	PASSABLE		CORRECTIONS NEEDED	
DAM	FALLS	LOGJAM	CULVERT		YES	NO	YES	NO

Other factors **On foot up Big Sulfur from PG&E bridge at Geysers.**

9. Access

At start, stream has moderate grade, with cascade-riffle-pool type. Many warmwater fish; no trout noted. Bottom of boulders primarily, with some gravel, sand and cobbles. Vegetation right down to water; no indication of severe high water or erosion. Several sulfur springs along the way. By S2, climbing steeply. In S3 & S4, flatter area with more moderate grade, but avee this point, stream begins to climb steeply again. In upper areas, geothermal wells being drilled, and power plant going in.

2. 40 yds- 3' falls. 85 yds- 10' falls; nice pool below, none above; over sheer rock face, with corner. 95 yds-into 33, stream climbs 35-40% grade , in a series of cascades and falls to 10'. Area a mass of boulder piled into couple of sharp corner turns.

3. At start of three, travel in canyon became too difficult, so final observations upstream made from hillside above.

INSTRUCTIONS •

1. District office completes two (2) copies upon request of Stream Surveyor.
2. Submit original to permanent District file and carbon to Stream Surveyor for final stream survey report.
3. See Form 6670—1 for specific instructions.