UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PHYSICAL AND BIOLOGICAL STREAM SURVEY REPORT

Date: 7-29-74
Surveyor: Jeffrey L. Kershner
Agency: BLM

2. Stream	a. Tributary	b. Basin
Jack Smith Creek		

3. Location (*stream mouth*)	Township	Range	Section
	16 N	13 W	11

4. County	5. State Administration Unit Number	Code Number
Mendocino		

6. PHYSICAL SURVEY DATA

a. Station *Upstream from Road* to: *1/8 mi. upstream* distance *(miles)*

b. Stream width *(average)*

3 - 4 ft. today

ft. when *15 - 20 '* spawn

ft. when spawn

c. TURBIDITY *(Visibility in feet)*

MUDDY		MURKY		CLEAR	
<.5	.5-1	1-2	2-5	5-10	10 +
					X

d. Jackson Turbidity Units

e. Temperature: Air *90* °F, Water *64* °F, Time *1430*, Flow (cfs) Now *.5*, 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		
1	*****	*25*	*20*	*45*	*50*	*1 - 3 "*		
Total								

g. PERCENT OF SECTION IN POOLS

0	10	20	30	40	50	60	70	80	90	100
							X			

h. Gradient

Steep (2.5 + %)
Moderate (1.0 to 2.5 %)
X Flat (0 to 1 %)

i. AVERAGE STREAM AREA SHADED *(percent)*

0	10	20	30	40	50	60	70	80	90	100
							X			

j. STREAMSIDE COVER TYPE

LOGGED WITHIN (years)		GROWTH		HERB	OTHER
0-5	6-10	2nd	OLD		
		X		*X*	*Hdwood*

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 +
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8. LIMITING FACTORS

BARRIERS *(type)*				HEIGHT (*ft.*)	PASSABLE		CORRECTIONS NEEDED	
DAM	FALLS	LOGJAM	CULVERT		YES	NO	YES	NO
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Other factors *101 North of Ukiah to Reeves Canyon Road. American Sportsman Club owns* [illegible] . *Take road to second bridge across creek. Make left on road*

9. Access

10. Additional Comments

0.00-0.25 Sec. 1- Jack Smith Is a small tributary type stream bordering BLM and Masonite property. The area around the creek on the Masonite section has been logged and some of the debris has found its way into the creek. The drainage here is flat and I would imagine that flows would not be significant enough to remove the larger pieces. Cover is good throughout the section and consists of second growth, small hardwoods and brush. No fish were observed during the survey although the area may be able to support a small population of resident trout. Numerous orders of insects were observed along with newts and a small crayfish.

Average depth of the creek ran from 1-4" with pool depths running to 1'. Temperatures were in the middle sixties and may be a limiting factor to fish populations during periods of low flows. Spawning gravel in the section was more than adequate to handle a resident population and showed minimal amounts of siltation.

Sec. 2 - Pools accounted for 85% of the area of the stream and were from 6" to 1' in depth. A small jam (15 sq. yds.) is found in the middle of the section but presents no problems to fish migration. A 20 square yd. pool area is created below this and averages 1' in depth. Slash is found lying around the creek basin but not in creek itself. The banks are eroded in [sic] some areas but do not create a signicant problem.

Jack Smith Creek has some potential for a small fishery but in order to develop this cooperation with Masonite and other private land owners must be obtained. The stream basin and surrounding vegetation are in good shape and will remain so if wise use of the land is maintained.

This stream only exists across corner of BLM Woodpit No fish within Meander Line boundary, but fish present further down stream.

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 tor specific instructions.

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