

STREAM SURVEY

FILE FORM

No.....

NAME..... JUG HANDLE CREEK.....COUNTY..... MENDOCINO.....  
 STREAM SECTION..... Entire.....FROM..... Mouth.....TO..... Headwaters.....LENGTH..... 3.25 mi  
 TRIBUTARY TO..... Pacific Ocean.....Twp..... 18 N.....R..... 18 W.....Sec..... 36  
 OTHER NAMES..... Unknown.....RIVER SYSTEM..... Jug Handle Creek.....  
 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>

EXTENT OF OBSERVATION - On September 8, 1965, Gerald Holman walked from about the center of Section 4 to the mouth--a distance of 3.23 miles.  
LOCATION- This stream is located approximately 5 miles south of Fort Bragg.  
RELATION TO OTHER WATERS- This stream maintains a small run of silver salmon and steelhead, adults of which are caught in the Pacific Ocean and at the mouth of Jug Handle Creek.  
GENERAL DESCRIPTION -  
Watershed and Immediate Drainage Basin - This creek is a typical north coastal stream. It is confined in a narrow U-shaped canyon with canopy of dense second growth redwood and Douglas fir forest. Directly adjacent to the stream, dense stands of alders, salmonberries and blackberries prevail. Sandy soils prevail in the lower 1/2 of the stream, while in the upper section clay shield type exists.  
Altitude- Sea level at the mouth to 320 feet at the upper fisheries limit.  
Gradient- One hundred feet per mile.  
Width - One foot to ten feet, average 5 feet  
Depth - Two inches to two feet, average 5 inches.  
Flow - Near mouth 2 cfs. At upper limits 1/2 cfs.  
Velocity - Generally slow throughout.

Bottom -The lower 1/2 of the stream is dominated by sand and silt. The remainder of the stream mostly fine gravel with areas of broken rock.

Spawning Areas- Spawning is limited to the upper 1/2 of the stream. The lower portion of the stream is too sandy for successful spawning.

Pools- The lower, section dominated with pools. Very few riffle areas, while the upper area 50 per cent pool riffle ratio exists.

Shelter- Abundant throughout (logs and cut banks).

Barriers- At upper fisheries limit there exists a 10 foot high rock falls. Many small log jams exist throughout the stream (see attached barrier map).

Diversions- None noted.

Temperatures - At 1145 a.m. on September 8, 1965, the water temperature was 55 degrees Fahrenheit; air temperature 62 degrees Farenheft; weather--fog, overcast.

Food- In upper area fair abundance; in lower area scarce.

Aquatic Plants - Scarce, some algae.

Winter Conditions - Because of the stable watershed, this stream is not subject to extensive damage by flooding. Winter flows reach approximately 4 feet high.

Pollution- None observed.

Springs - About 10 springs noted.

FISHES PRESENT AND SUCCESS - Juvenile silver salmon and steelhead, 2 to 2-1/2 inches long, were present in varying numbers throughout the stream. Silver salmon were the most abundant throughout, representing an estimated 90 per cent of the fishes observed. In the lower 1/2 of the stream, because of the lack of food producing gravels, estimated numbers of fish were only 25 fish per hundred feet, but further upstream the estimate was 75 fish per hundred feet. In the upper 1/2 mile, for no apparent reason, the stream was almost void of fishlife.

STREAM SURVEY

Jug Handle Creek, Mendocino County

OTHER VERTEBRATES - Red-legged frogs.

FISHING INTENSITY - Unknown but probably light due to dense streamside cover.

OTHER RECREATIONAL USE - Unknown.

ACCESSIBILITY - Stream only accessible by Highway 1 near the mouth. Headwaters area can be reached from Gibney Lane.

OWNERSHIP - The lower two miles--privateland ownership. The remainder--Jackson State Forest.

POSTED OR OPEN - Not posted.

IMPROVEMENTS - Unknown.

PAST STOCKING - Unknown.

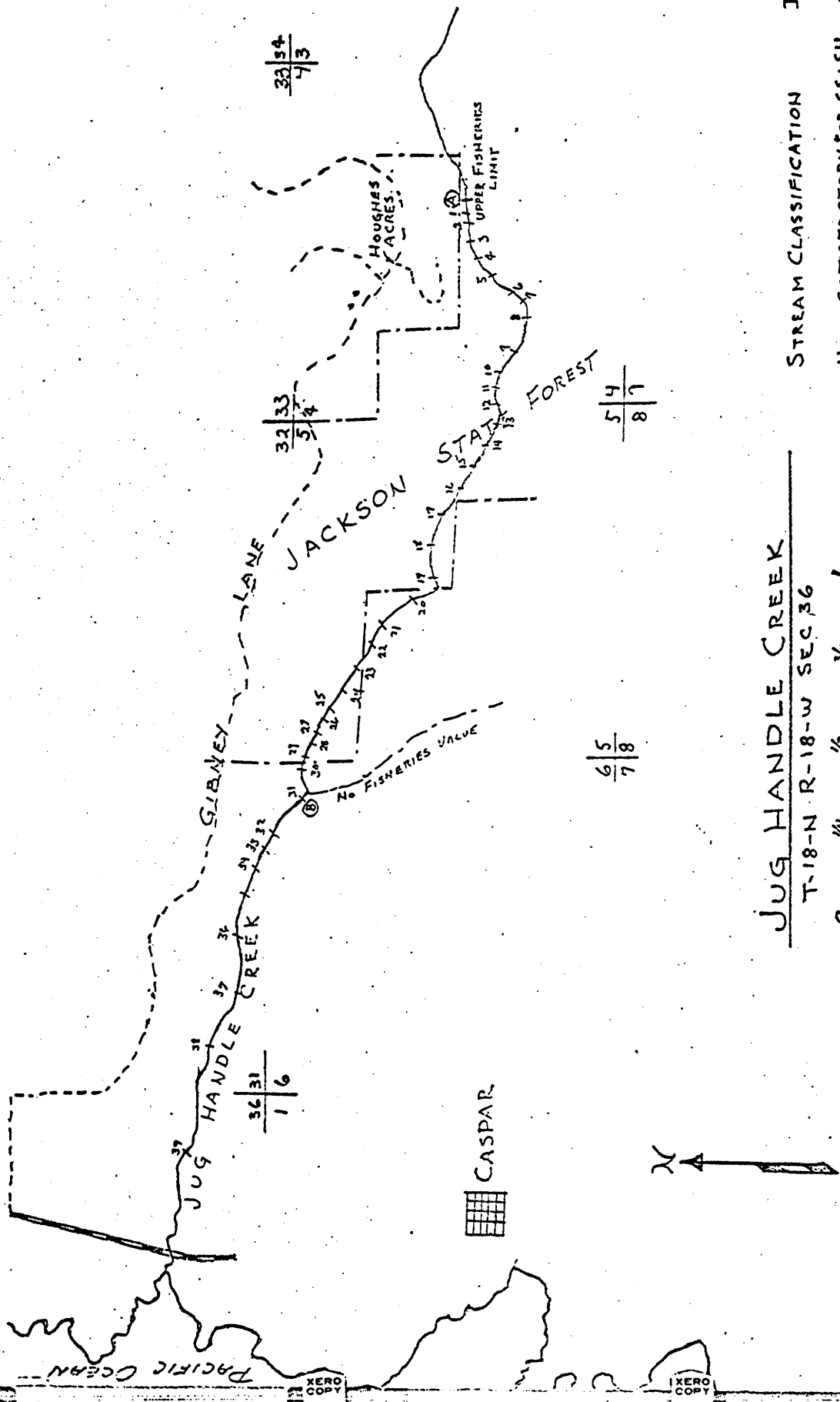
GENERAL ESTIMATE - This stream is limited as far as being a good silver salmon and steelhead stream. It probably produces enough juveniles to maintain a capacity spawning run. Sand and silt in the lower 1/2 of the stream is the cause of this low production. It may be that this condition is from the flood in 1964 and may correct itself in a winter or two.

RECOMMENDED MANAGEMENT - Continue to manage this stream as a silver salmon and steelhead spawning and nursery stream.

SKETCH MAP - See attached.

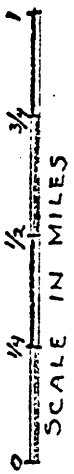
REFERENCES AND MAPS - U. S. G. S. Mendocino and Fort Bragg 7-1/2 minute series, 1960.

Gerald Holman/bg--12/20/65



JUG HANDLE CREEK

T-18-N R-18-W SEC 36

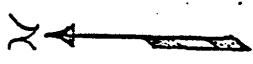


STREAM CLASSIFICATION II

NOW SATISFACTORY FOR S&SH O

TO BE IMPROVED 3.25

TOTAL MILES AFTER IMPROVEMENT 3.55



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