

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF FISH AND GAME

STREAM SURVEY

NAME: JACK SMITH CREEK **COUNTY:** MENDOCINO
STREAM SECTION: Entire **FROM:** Headwaters **TO:** Mouth **LENGTH:** 6 miles
TRIBUTARY TO: Seward Creek **TWP:** 17N **R:** 13W **SEC:** 31 NE 1/4
OTHER NAMES: Not Known **RIVER SYSTEM:** Russian River
SOURCES OF DATA: Personal Observation

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 - Creek was surveyed from headwaters to mouth, a distance of 6 miles, on foot by W. Quinn and B. Fox on October 6, 1964.

LOCATION - Creek is approximately 15 miles northeast of Ukiah and west of Highway 101.

RELATION TO OTHER WATERS - An important tributary to Seward and Forsythe Creeks, furnishing summer and winter flows. A relatively important RT-SH spawning-nursery area.

GENERAL DESCRIPTION -

Watershed - Creek drains along narrow valley mostly throughout with redwood fir, tan oak, white oak, alder, predominating headwaters section. There was no change in scrub oak and grass cover. The soil is rocky loam.

Immediate Drainage Basin - Basin covers about 5 square miles and is U-shaped, discharging downward southeasterly. Channel is bowl-shaped* Vegetation is abundant, consisting of horsetail, cattail, fern, umbrella grass, marsh and trees.

Altitude - At headwaters 200 feet, at mouth 1040 feet.

Gradient - 160 feet per mile overall, but generally slight, sluggish sections.

Width - 2/10 feet, average 6 feet.

Depth - 1 inch 3 feet, average 4 inches.

Flow - 1/4 to 1/3 cfs. summer flow observed; 200 cfs. estimated winter flow

Velocity - Mostly sluggish.

Bottom - 35 per cent fine and coarse gravel, 15 per cent coarse rubble, 15 per cent bedrock and boulders, 25 per cent sand and silt.

Spawning Areas - Entire - half silted, half loose, Beds cover area 3 miles long by 2 feet wide.

Pools - Good, 2-10 feet wide by 4-50 feet long, average 4 feet wide by 10 feet long. A 75 per cent pool and a 25 per cent riffle ratio.

Shelter - Excellent, consisting of logs, cut banks, plants, rocks.

Barriers - Numerous log jams, none total barrier.

Diversions - None noted.

Temperatures - At 1100 hours on October 6, 1964 water temperature 58 degrees, air temperature 64 degrees. At 1230 hours water temperature 58 degrees, air temperature 70 degrees in partly cloudy weather.

Food - Poor, less than 25 organisms per square foot - mayfly, caddisfly and surface insects.

Aquatic Plants - Abundant - horsetail, cattail, algae, mosses

Winter Conditions - Logging debris 8 feet high observed. Estimated 200 cfs. peak flows.

Pollution - Logging damage/silt and debris.

Springs - None noted.

FISHES PRESENT AND SUCCESS - Fish population is 95 per cent RT-SH, 5 per cent rough fish, including sucker, squawfish and roach. RT-SH average 20 per 100 feet or 2 inches to 8 inches long, average 3 inches. Success fair, condition good, natural propagation fair.

OTHER VERTEBRATES-Frogs, water snakes, salamanders

FISHING INTENSITY-Not known.

OTHER RECREATIONAL USES-Not known.

ACCESSIBILITY-Jeep road to headwaters through Dakin property, canyon road by Mill Creek, pick-up road to mid-section through Crofoot logging property, pick-up road one mile beyond mouth on Seward Creek.

OWNERSHIP-Private

POSTED OR OPEN-Posted

IMPROVEMENTS-Clear out logging debris, eradicate extensive cattail, growth.

PAST STOCKING-Not known.

GENERAL ESTIMATE-Stream is badly damaged by logging, appears somewhat stabilized, but continued water contamination from cuttings and slash. Some gravel buildup behind logs, shallow gradient lends to marshy growths, detracting from water quality.

RECOMMENDED MANAGEMENT-Remove logs and slash from stream. Eradicate extensive cattail growths. Continue managing as steelhead spawning and nursery area and if cleared may also be used by SS.

SKETCH MAP-See attached. [sic]

REFERENCES AND MAPS-U. S. Geological Survey map, Willits Quadrangle, 15 minute series, 1951.

W. Quinn-bg-10/7/64