

CALIFORNIA DEPARTMENT OF FISH AND GAME

STREAM SURVEY

FILE FORM No.....

STREAM NAME.....Hayworth Creek**COUNTY**.....Mendocino.....
STREAM SECTION entire **FROM**...mouth.....**TO**.....headwaters.....**LENGTH**..4.25 mi.
TRIBUTARYNorth Fork , Noyo River**TWP**...19N..**R**...15W....**SEC**..33.....
OTHER NAMES...Not known.....**RIVER SYSTEM**.....NOYO.....
SOURCES OF DATA...Personal observation and interview with Dennis Tavaris, Union Lumber
NAME OF SURVEYOR ...E.R.J. Primbs.....**DATE**...22 August 1966.....

EXTENT OF OBSERVATION – Surveyed by foot from mouth at North Fork, Noyo River, to point 0.25 mile above first northeast fork above Soda Creek in headwaters and 0.25 mile on Soda Creek, a total distance of 4.15 miles. Survey made by E.R.J. Primbs on 22 August 1966.

LOCATION – Hayworth Creek flows into the North Fork, Noyo River, immediately southeast of the North Fork, Noyo River Road junction with the Hayworth Creek Road. An old bridge across the North Fork, Noyo River, marks this location. The junction of the North Fork, Noyo River Road with the Hayworth Creek Road is 3.5 miles north of Northspur and Camp St. Albert on the North Fork, Noyo River Road. Northspur and Camp St. Albert are 7.75 miles west of the Fort Bragg – Willits Rd. (Highway 20) on the Irmulco Road. The Irmulco Road joins Highway 20, 6.25 miles west of Willits on Highway 20.

RELATION TO OTHER WATERS – Provides the Noyo River System with summer and winter flow of good quality water and 1.44 miles of good spawning grounds and 2.25 miles of excellent nursery area for steelhead and silver salmon.

GENERAL DESCRIPTION

WATERSHED AND IMMEDIATE DRAINAGE BASIN – Size: 6.5 sq miles; Hayworth Creek flows from springs, issuing throughout its drainage, southwest; no current logging; although Union Lumber and Aborigine own land bordering stream; U-shaped valley with steep 70 ° slopes; stream banks are sheer, 36 ft. high, and composed principally of bedrock; stream channel is 12 ft. to 24 ft. wide; stream shade from mouth to Soda Creek is 70% from trees, brush, and narrow canyon effect, and only 10% thereafter; willow California bay redwood, red alders, big leaf maple, tan bark oak, and Pacific madrone are common; poison oak thimbleberry, bracken fern, sword fern, and blackberry provide close surface cover along bank.

ALTITUDE – At mouth 400 ft., at upper fish limits 640 ft.

GRADIENT - 107 ft. per mile to upper fish limits

WIDTH - Stream channel - 12 ft. to 24 ft. Summer flow - average 6 ft. with range from 3 ft. to 12 ft.

DEPTH - Average 7 in. with range from 2 in. to 4 ft.

FLOW - 1.5 c.f.s. at mouth; 1-3 c.f.s. above North Fork

VELOCITY - Rapid throughout

BOTTOM – From mouth to 0.75 mile above North Fork: fine rubble 30%, coarse gravel 40%, fine gravel 30%,

SPAWNING AREAS – From mouth to 0.75 mile above North Fork; 60% of winter bed, av. 6 ft. wide, (57,024 sq. ft.) excellent;

Pools - 30% of summer flow formed from bed rock sink and digging action.

Shelter - Fair: rubble, undercut banks, roots.

Barriers - #1: Small log jam wedged between bedrock stream banks 0.10 mile above mouth, #2: 42 ft. long cascades (35° slopes, largest 15 ft.) 100 yds. above entrance of North Fork on main stream. #3: log jam 100 ft. L, 30 ft. W, 12 ft. H. between Worth Fork and Soda Creek. #4: Log jam 30 ft. L, 42 ft. W, 15 ft. H between North Fork and Soda Creek. #5: 9 ft. bedrock falls (90° slope, 5 ft. drop - pool - 4 ft. drop). #6: Log jam: moderate side above Soda Creek. #7: Log jams 50 ft. L, 50 ft. W, 8 ft. H above Soda Creek. #8: Bedrock, log, rubble falls 12 ft. H, 90° slope, 100 ft. above mouth of North Fork on North Fork.

The cascades, barrier #2, are operating as a total barrier: The parr population below the cascades is large and uniform; above the cascades the part population is negligible.

Diversion - None observed

Temperatures - Measured maximum: At North Fork: 1300 8/22/66. Air 75', water 66°, weather fair, wind calm, altitude 640 ft.

Food - Type: Caddis fly larvae (*Ochrotrichia*), may fly nymphs, stone fly nymphs.

Abundance : Caddis fly and may fly are extremely common

Aquatic plants - Moss and algae.

Winter conditions - Suitable for spawning, 3 ft. - 4 ft. maximum.

Pollution - None noted

Springs - Issuing along entire course, observed 2.2/mile.

FISHES PRESENT AND SUCCESS

1. Silver Salmon and Steelhead

The following parr were netted, identified, and examined before release in representative samples:

| | Actual count | Size | | Condition |
|-----------|--------------|---------------|---------|------------------------------------|
| | | Range | Average | |
| Salmon | 117 | 1-3/4"-2 1/2" | 2 1/4" | Heavy-bodied, |
| Steelhead | 582 | 1-1/4"-7" | 2" | Well-proportioned |
| Total: | 699 | | | some undergrowth; variable size |

2. Other fish netted and identified - None

The stream is currently producing an estimated 2,340 silver salmon and 11,600 steelhead, both populations being about optimum for spawning. Summer mortality should be low, in spite of the high temperatures. There is a tendency of the steelhead to home in the stream rather than migrate (a small number of 5"-7" steelhead were observed).

OTHER AQUATIC VERTEBRATES - Yellow-legged frogs, water snakes, California newts, the latter very numerous.

FISHING INTENSITY - Not known

OTHER RECREATIONAL USE - None observed.

ACCESSIBILITY - Accessible from mouth to Soda Creek by good streamside road, which may be entered by either one of two ways: (1) The Hayworth Creek Road joins at the mouth of Hayworth Creek the North Fork, Noyo River Road, which 3.5 miles from this junction in turn joins at North Spur with the Irmulco Road. Northspur is 7.75 miles west of the Fort Bragg-Willits Road (Highway 20) on the Irmulco Road. The Irmulco Rd.

joins Highway 20 6.25 miles west of Willits on Highway 20. (2) The Hayworth Creek Road extends from Hayworth Creek 5.75 miles to the Sherwood Ridge Road. At the junction with the Sherwood Ridge Road there is a locked gate on Hayworth Creek Road (key at Union Lumber Co.). The Hayworth Creek Road-Sherwood Ridge Road junction is **11½** miles east on the Sherwood Ridge Road from the junction of the Pudding Creek Road-Sherwood Ridge Rd.-Noyo Ranch Rd., which junction in turn is 4 miles east of Fort Bragg on Oak Street.

OWNERSHIP - From mouth to about one mile upstream from mouth, Aborigine Logging Co., from pt. one mile upstream from mouth to headwaters, Union Lumber Co.

POSTED OR OPEN- Posted

IMPROVEMENTS - Clearance of small log jam at mouth.

PAST STOCKING - Not known

GENERAL ESTIMATE - The lower 2.25 miles of Hayworth Creek (from approximately the mouth to North Fork) is a valuable spawning and nursery area for both steelhead and silver salmon, but having greater value for steelhead, which currently outnumber the salmon six to one. The main stream above the North Fork has valuable spawning and nursery potential for another 0.75 mile, but cascades just above the entrance of the North Fork are currently operating as an almost total barrier, even though the adults are physically able to surmount them. The quantity of the spawning gravel above the cascades does not warrant modification of the cascade for easing passage.

The small log jam wedged between sheer bedrock banks at the mouth should be removed, for it is very stable and will increase in magnitude by collecting debris. The large log jams above the entrance of the North Fork are almost totally impossible but their removal would add very little value to the stream. At present they are serving to hinder serious erosion occurring from pool logging operations.

The two essentials for rapid growth of the parr, i.e., food and dissolved oxygen, are also favorable. While the temperature of the water is high, yet the rapid velocity and breakage of the water surface insures a high D.O. level.

RECOMMENDED MANAGEMENT - Hayworth Creek should be managed for steelhead and silver salmon spawning and nursery. (1) The small log jam at the mouth should be removed to avoid a future blockage of the stream. (2) Clearance of the large log jams in the headwater area and modification of the cascades are not recommended.

SKETCHMAP - See attached

REFERENCES AND MAPS

1. U.S.G.S. (Comptche, 1960), 15 ft. series.
2. U.S.G.S. (Willits, 1961), 15 ft. series.
3. Jackson State Forest Map, California Division of Forestry, (1964); scale: 1/31,680.

Edward R. J. Rimbs

Hayworth Creek



Miles

Scale: 1" = 1/480'

T19N, R15W, Sec 33

N



Owder

North Fork

Bedrock - logs - rubble fans
(1/4 M, 90° slope)

Owner: Abernethy

Hayworth Cr Rd

Spring

Property line

Spring

Spring

Ranch

(1)

7:00