

CALIFORNIA DEPARTMENT OF FISH AND GAME

STREAM SURVEY

File form No. \_\_\_\_\_ Date: \_\_\_\_\_

NAME: Blue Jay Creek COUNTY: Sonoma

STREAM SECTION: Entire FROM: mouth TO: first east-west bend LENGTH: .7 mile

TRIBUTARY TO: Ward Creek TWP: 8N R: 12W SEC: 13

OTHER NAMES: Not known RIVER SYSTEM: Russian River

SOURCES OF DATA: Personal observation and personal interview

<p><b>EXTENT OF OBSERVATION</b>                  Include: Name of Surveyor, Date, Etc.  <b>LOCATION</b>                  RELATION TO OTHER WATERS                  GENERAL DESCRIPTION</p> <p>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</p> <p>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</p>
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EXTENT OF OBSERVATION: Blue Jay Creek surveyed on foot from mouth at Ward Creek to .2 mile above beginning of boulder area, which is .5 mile from mouth, a total distance of .7 mile, on 10 August, 1965, by E. R. J. Primbs.

LOCATION: Blue Jay Creek flows into Ward Creek .2 mile northeast of the junction of Fort Ross Road with Blue Jay Bridge Road, which junction is approximately 3 miles west of Montgomery School at Cazadero on the Fort Ross Road. This junction is marked by 7 signs to residents in area: "De Costa", "Pedro", "Perone", "Correia", etc. From this junction the mouth of Blue Jay may be reached by foot over 2/10's mile of gentle grass covered slopes toward the northeast.

RELATION TO OTHER WATERS: Contributes unpolluted winter and summer flow to Ward Creek and extends SH nursery grounds of Ward Creek by 5/10's mile.

GENERAL DESCRIPTION;

Watershed and Immediate Drainage Basin-Size; 1.8 square miles; Blue Jay Creek flows from Mohrhardt Ridge due south; no current logging; logged out between 1948 and 1963 by Fiberboard, Malony and Chambers, and Berry. (See E. Mohrhardt, 18755 Kingridge Road, Cazadero). Section 1: (upstream 5/10's mile from mouth) wide canyon, 50° grass covered slopes, vegetation coverage 25 per cent: western azalea, redwood, California laurel, tan bark oak, big leaf maple. Section 2 (from beginning of boulder area, 5/10's mile

from mouth upstream 2/10's mile) narrow ravine; 60° slopes; vegetation coverage 70°: redwood dominant with tan bark oak and big leaf maple. This is the upper fish value point.

Altitude-At mouth 500 feet, at upper fish value 625 feet.

Gradient-250 feet per mile to upper fish value.

Width-Average 4 feet with range from 3 feet to 10 feet.

Depth-Average 3 inches with range from 2 inches to 2½ feet.

Flow-4/10 's cfs at mouth; 3/10's cfs at junction of logging road which is .4 miles from mouth.

Velocity-Moderately rapid to rapid in boulder area,

Bottom-Section 1 (upstream .5 mile from mouth) boulders 15 per cent, course rubble 40 per cent, fine rubble 30 per cent, course gravel 10 per cent, fine gravel 3 per cent, sand 2 per cent. Section 2 (from beginning of boulder area .5 mile from mouth upstream .2 mile) boulders 50 per cent (many 4 feet to 10 feet in size), course rubble 30 per cent, fine rubble 10 per cent, course gravel 5 per cent, fine gravel 3 per cent, sand 2 per cent.

Spawning Areas-Negligible except for one gravel bed 150 feet long, 10 feet wide, located above first log jam .4 mile from mouth.

Pools-40 per cent of stream below boulder area.

Shelter-Undercut banks, boulders.

Barriers-Partial two small log jams.

Diversions-None in area surveyed.

Temperatures-Maximum at junction of logging roads .4 mile from mouth at 11:45 on 10 August: Air 77°F; water 69°F; weather partly cloudy, calm; altitude 600 feet.

Food-Caddis fly larvae: 25 per square foot, stone fly nymph: 5 per square foot.

Aquatic-Plants -None noted.

Winter-Conditions -Natural sign of 1 to 4 feet above summer level.

Pollution-None noted.

Springs-None observed.

FISHES PRESENT AND SUCCESS: Section 1 (upstream .5 mile from mouth) SH (two inches - 3 inches size) 35 per 100 feet. Section 2 (from beginning of boulder area .5 mile from mouth upstream .2 mile) RT (5 inches to 6 inches) 5 observed.

OTHER VERTEBRATES: Frogs, newts.

FISHING INTENSITY: E. J. Mohrhardt reports light fishing.

OTHER RECREATIONAL USE: Private deer hunting.

ACCESSIBILITY: Accessible at mouth by foot over .2 mile of gentle grass-covered slopes toward the northeast from the junction of Fort Ross Road with Blue Jay Ridge Road, which junction is approximately 3 miles west of Montgomery School at Cazadero on the Ford Ross Road. This junction is marked by 7 signs to residents in area: "De Costa", "Pedro", "Perone", etc. Also accessible by jeep trail from Blue Jay Ridge Road which parallels on top of ridge.

OWNERSHIP: Headwaters owned by E. J. Mohrhardt, Cazadero, Bob Schneider, Sebastopol, may own lower sections of stream.

POSTED OR OPEN: Posted and patrolled.

IMPROVEMENTS: None recommended.

PAST STOCKING: Not known.

GENERAL ESTIMATE: Representative samples of fish present in Blue Jay disclosed the absence of silver salmon. A few steelhead do utilize the first .5 mile of stream, however, but apparently for nursery primarily, since the stream's spawning area is negligible, rubble being prevalent. As a nursery area, the stream is limited because of scarcity of food, due to lack of rapids and because of absence of shade. The two small log jams are located near the beginning of the boulder area and do not obstruct any steelhead movement,

RECOMMENDED MANAGEMENT: Blue Jay Creek should be managed for steelhead nursery; no action is recommended.

SKETCH MAP: See attached map.

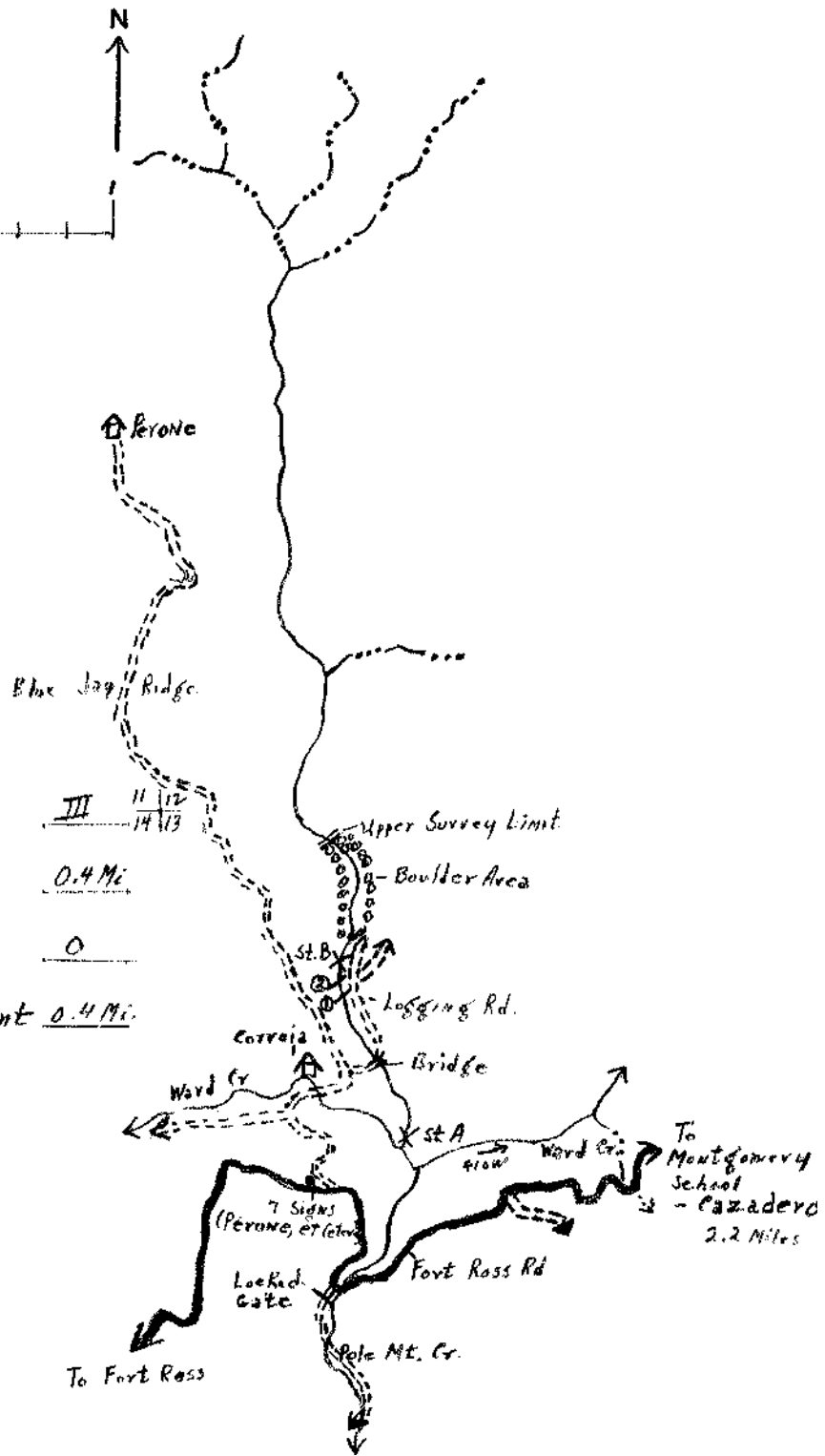
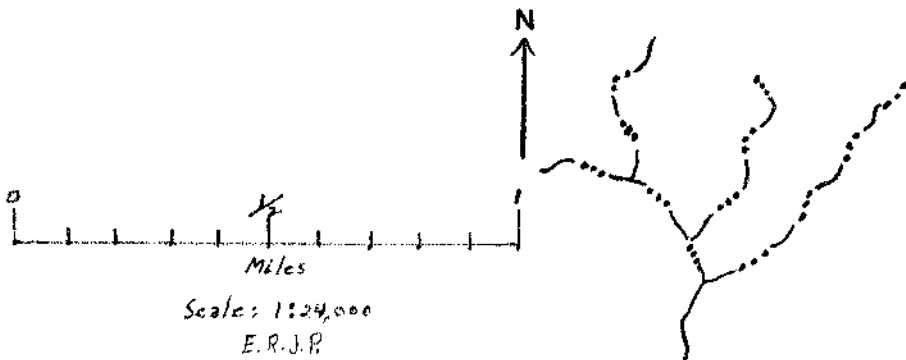
REFERENCES AND MAPS: (1) USGS (Fort Ross) 7½ minute series (1943). (2) Division of Forestry Map (Sonoma Ranger Unit) (1956).

E. R. J. Primbs/ljs

12/17/65

# Blue Jay Creek

T-8-N R-12-W Sec 13



- 1. Stream Classification III  $\frac{11}{12}$   $\frac{14}{13}$
- 2. Now Satisfactory SH-SS 0.4 Mi
- 3. To Be Improved 0
- 4. Available After Improvement 0.4 Mi