

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF FISH AND GAME

STREAM SURVEY

File form No _____ Date: January 6, 1971

NAME: West Branch Russian Gulch COUNTY: Sonoma

STREAM SECTION: _____ FROM: mouth TO: Upper fish limit LENGTH: 1.5 mi.

TRIBUTARY TO: Russian Gulch TWP: 7N R: 12W SEC: 2

OTHER NAMES: Not Known RIVER SYSTEM: Russian Gulch

SOURCES OF DATA: Personal observation of C.W. Parke & R.R. Klamt on June 30, 1970.

<p>EXTENT OF OBSERVATION Include: Name of Surveyor, Date, Etc</p> <p>LOCATION</p> <p>RELATION TO OTHER WATERS</p> <p>GENERAL DESCRIPTION</p> <p>Watershed</p> <p>Immediate Drainage Basin</p> <p>Altitude (Range)</p> <p>Gradient</p> <p>Width</p> <p>Depth</p> <p>Flow (Range)</p> <p>Velocity</p> <p>Bottom</p> <p>Spawning Areas</p> <p>Pools</p> <p>Shelter</p> <p>Barriers</p> <p>Diversions</p> <p>Temperatures</p> <p>Food</p> <p>Aquatic Plants</p> <p>Winter Conditions</p> <p>Pollution</p> <p>Springs</p> <p>FISHES PRESENT AND SUCCESS</p> <p>OTHER VERTEBRATES</p> <p>FISHING INTENSITY</p> <p>OTHER RECREATIONAL USE</p> <p>ACCESSIBILITY</p> <p>OWNERSHIP</p> <p>POSTED OR OPEN</p> <p>IMPROVEMENTS</p> <p>PAST STOCKING</p> <p>GENERAL ESTIMATE</p> <p>RECOMMENDED MANAGEMENT</p> <p>SKETCH MAP</p> <p>REFERENCES AND MAPS</p>	<p>EXTENT OF OBSERVATION - West Branch Russian Gulch on foot from mouth to upper fish limit 1.5 miles upstream.</p> <p>LOCATION - The West Branch of Russian Gulch flows into Russian Gulch .6 miles upstream from where California Highway 1 crosses Russian Gulch.</p> <p>RELATION TO OTHER WATERS - The West Branch of Russian Gulch flows into Russian Gulch .6 miles upstream from where California Highway 1 crosses Russian Gulch. Russian Gulch flows into the Pacific Ocean .3 miles downstream from where California Highway 1 crosses Russian Gulch.</p> <p>GENERAL DESCRIPTION -</p> <p><u>Watershed and Immediate Drainage Basin</u> - Exists as a bowl-shaped tapering to a V-shaped canyon forested with redwood, alder, and maple, and very well shaded.</p> <p><u>Altitude</u> - At mouth, 50 ft. At upper fish limit, 350 ft.</p> <p><u>Gradient</u> - 200 feet per mile.</p> <p><u>Width</u> - Average 3-4 feet.</p> <p><u>Depth</u> - Average in riffles, 3 inches; pools, 2-8 feet.</p> <p><u>Flow</u> - 1 cfs. at mouth decreasing to 1/2 cfs. at upper fish limit.</p> <p><u>Velocity</u> - Slow to rapid.</p> <p><u>Bottom</u> - Average: silt - 30-35%; sand - 20%; pea gravel - 15-20%; marble gravel -5-10%; ping pong gravel - 5%; baseball gravel - 10%; intermediate rubble - 10-15%; basketball rubble - 0%.</p> <p><u>Spawning Areas</u> - Average 50%.</p> <p><u>Pools</u> - 50% Average size: width - 4-8 ft. depth - 2-5 ft. length - 8-15 ft.</p> <p><u>Shelter</u> - Primarily from fallen logs and large boulders. Average 6 feet shelter per 10 feet of stream.</p> <p><u>Barriers</u> - 10 complete log jams, 2 incomplete log jams and 2 bedrock falls blocking fish travel.</p> <p><u>Diversions</u> - None noted.</p> <p><u>Temperatures</u> - Maximum at a point 1.5 miles upstream from mouth on June 30, 1970 at 1230: Altitude - 325 ft. Weather - clear. Air - 70°F. Water - 58°F.</p> <p><u>Food</u> - Caddisfly and mayfly nymphs, gnats.</p> <p><u>Aquatic Plants</u> - Moss and Algae.</p> <p><u>Winter Conditions</u> - Flow 4-6 feet above summer level.</p> <p><u>Pollution</u> - None noted.</p> <p><u>Springs</u> - None noted.</p>
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FISHES PRESENT AND SUCCESS - Steelhead Rainbow Trout: Size - 1-2% in. 4-8 in. Abundance - 50/100 ft. in lower section. 15/100 ft. in upper section.

OTHER VERTEBRATES - Frogs, water snakes.

FISHING INTENSITY - Local residents claim they do some fishing for rainbow trout, but do not fish during high flow.

OTHER RECREATIONAL USES - Not known.

ACCESSIBILITY - Accessible from 1 of 3 posted gates on California Highway 1 3 miles North of Jenner. Key must be obtained from J. P. Moore in Jenner or at the Richfield Station in Jenner. Any one of these 3 roads leads to the mouth of the West Branch.

OWNERSHIP - J. P. Moore: Hall.

POSTED OR OPEN - Posted.

IMPROVEMENTS - Clearance of 12 log jams.

GENERAL ESTIMATE - The West Branch of Russian Gulch offers 1.5 miles of good spawning and nursery grounds. The large amount of shelter and frequency of pools make this a good stream for the production of salmonids. With the removal of 12 log jams in this 1.5 mile section, the productivity would be increased.

RECOMMENDED MANAGEMENT - Clearance of 12 log jams, 10 of which are complete blocks to fish and 2 of which are incomplete, but potential jams.

SKETCH MAP - Attached.

REFERENCES AND MAPS - U.S.G.S. 7 1/2 minute series (Arched Rock Quad.) 1943. Scale: 1 to 24,000.

WEST BRANCH RUSSIAN GULCH

T. 7 N. R. 12 W. SECT. 2.



SCALE 1:24000



12w 11w

25

30

34

35

36

31

8N

7N

West Branch Russian Gulch

Middle Branch Russian Gulch

East Branch Russian Gulch

Highway 1

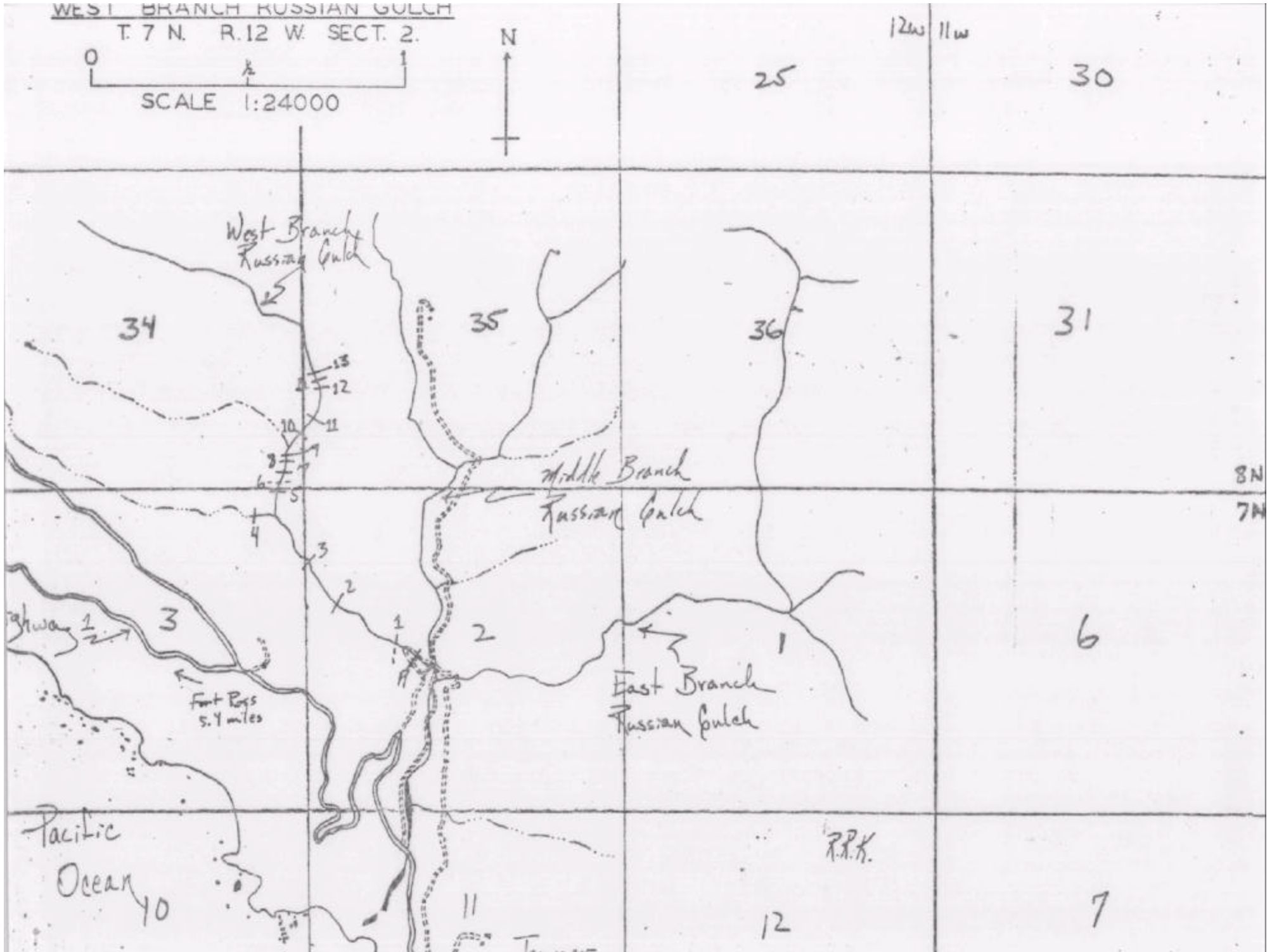
Fort Ross 5.4 miles

Pacific Ocean

R.R.K.

12

7



LOG JAM DIMENSIONS WEST BRANCH RUSSIAN GULCH

- 1 - 10x20x7
- 2 - 10x20x5
- 3 - 85x25x8
- 4 - 10ft. bedrock falls & steep gradient (UFL).
- 5 - 8x22x5
- 6 - 8x18x5 (stumps).
- 7 - 60x30x8
- 8 - 20x15x7
- 9 - 20x30x9
- 10 - 40x35x13
- 11 - 25x35x7
- 12 - 100x25x20 (two complete blocks).
- 13 - 45x25x10
- 14 - 30ft. bedrock falls (UFL).

* Incomplete, but potential jams.