

THE RESOURCES AGENCY OF CALIFORNIA
 Department of Fish and Game

STREAM SURVEY

File form No
 Date: June 14, 1966

NAME: Fay Creek COUNTY: Sonoma

STREAM SECTION: _____ FROM: Mouth TO: 1.5 mi. upstream LENGTH: _____

TRIBUTARY TO: Salmon Creek TWP: 6 N R: 10 W SEC: 18

OTHER NAMES: Joy Creek RIVER SYSTEM: _____

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 - On June 14, 1966, this stream was walked out from its mouth to just above its upper fishery limit, (1.5 miles up from the mouth), by Chuck Culley.

LOCATION - The mouth of the stream is located approximately 2 miles northeast of the town of Bodega and passes beneath the Salmon Creek Road.

GENERAL DESCRIPTION -

Watershed and Immediate Drainage Basin - The headwaters lie in a coniferous forest; the middle and lower sections are in open fields, but there is heavy streamside growth of blackberries, deciduous trees, etc. The upper stream section is a "V"-shaped canyon, while the middle and lower sections compose a lens-shaped bed running through open, rolling pasturelands.

Altitude - Mouth - 175 ft. Upper fishing limit - 880 Ft.

Gradient - Moderate near upper fishery limits and slight in middle and lower sections.

Width - Ranged from 8 ft. to 20 ft., average - 10 ft. (bed only). Present flow of water: Ranged from 1.5 ft. to 4 ft., average - 2.0 ft.

Depth - Present flow; riffles - 1 inch to 4 inches, average - 2.0 inches. Pools - 4 inches to 4 ft., average 1.5 ft.

Flow - Estimated at 1.0 to 1.5 cfs.

Velocity - Upper fishery limits - moderate to slightly rapid; middle and lower sections -

slightly sluggish.

Spawning Areas - Very good spawning beds from just above mouth to 1.4 miles upstream (i.e. - up to first barrier).

Pools - Ratio of 40:50 (pools vs. riffles respectively). Usually formed by boulders and undercut banks.

Shelter - The entire stream was shaded very well by overhanging terrestrial vegetation. In the stream itself, rubble (6" to 12" in diameter) and boulders provided enough shelter to make very good nursery areas.

Barriers - Log jams (2) just below upper fishery limits. Removal would not enhance the fisheries.

Diversions - None observed.

Temperatures - Unknown (sustains steelhead fingerlings).

FISHES PRESENT - Approximately 80 steelhead fingerlings/100 ft. up to the upper fishery limits. None above this point. (1.5 miles above mouth). Sculpins observed in several pools.

FISHING INTENSITY - Light.

OWNERSHIP - Private

POSTED OR OPEN - Posted.

IMPROVEMENTS - None.

GENERAL ESTIMATE - This stream has very good spawning and nursery beds.

REFERENCES AND MAPS - U.S.G.S. Quads.; Camp Meeker, Valley Ford, Bodega Head, Calif.