

THE RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF FISH AND GAME

#1

**STREAM SURVEY**

NAME: Unnamed Tributary COUNTY: Sonoma  
 Confluence with  
 STREAM SECTION: Partial FROM: Atascadero Creek TO: Headwater LENGTH: 3 mi.  
 TRIBUTARY TO: Atascadero Creek hence Green Valley Creek TWP: 7N R: 9W SEC: 32  
 hence Russian River  
 OTHER NAMES: \_\_\_\_\_ RIVER SYSTEM: Russian River  
 SOURCES OF DATA: Personal Observations

- 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** - The entire survey was made from a vehicle with several stops for closer inspection on foot. The survey was conducted on July 15, 1969 by W. Jones and J. Thompson.

**LOCATION AND RELATION TO OTHER WATERS** - The confluence of this tributary with Atascadero Creek is located approximately 1½ miles west of the town of Sebastopol. The stream contributes an important summer flow to Atascadero Creek but at present appears to be of little value to salmonid spawning and nursery area.

**GENERAL DESCRIPTION -**

**Watershed** - Topography varied from a narrow steep-sided U-shaped canyon in the headwater to a short narrow valley in the downstream section. Vegetation includes redwood, bay and oak.

**Immediate Drainage Basin** - The stream drains an area of approximately 3 square miles. The direction of flow is from Southwest to Northeast. The channel is incised with 10 to 12 foot banks. Streamside vegetation included willows, bays, oaks and redwoods. Vegetative cover was considered abundant (85 to 95 percent).

**Altitude** - Ranged from 450 feet at headwaters to 160 feet at confluence with Atascadero Creek.

**Gradient** - Moderate to slight. Overall - 75 feet per mile.

**Width** - Pools: average - 5 feet, range - 4 feet to 7 feet.

Riffles: average - 3 feet, range - 1/foot to 5 feet.

**Depth** - Pools: average - 1 to 1½ ft., range - 6 inches to 2 feet.

Riffles: average - 4 inches, range - 3 inches to 6 inches.

**Flow** - No flow measurements were taken. The flow was estimated to be between ½ and 1 cubic foot per second.

**Velocity** - Rapid.

**Bottom** - 10% boulders; 25% coarse rubble; 15% fine rubble; 5% coarse gravel, 15% silt, [30% fine gravel.]

**Spawning Areas** - Approximately 20% of the stream section appeared suitable for potential spawning.

**Pools** - Size: Depth - range - 6 in. to 2 ft., average - 1 to 1½ feet. Width - range - 4 ft. to 7 ft., average - 5 feet. Length - range - 5 ft. to 12 ft., average - 7 feet. Type - generally short, narrow, shallow. Frequency - 25% pools/75% riffles.

**Shelter** - Shelter was provided by an abundance of overhanging terrestrial plants, some boulders and a few cut banks.

**Barriers** - None observed.

**Diversions** - None observed.

**Temperatures** - No temperatures were taken.

**Food** - None observed.

**Aquatic Plants** - Algae was present to a small degree (less than half of the rocks covered).

**Winter Conditions** - High water flows as indicated by dead material deposited in riparian vegetation appeared to be 7 to 10 feet above the water level at the time of survey.

**Pollution** - None observed.

**Springs** - None observed.

**FISHES PRESENT AND SUCCESS** - No fish were observed in the section surveyed.

**OTHER VERTEBRATES** - None observed.

**FISHING INTENSITY** - No evidence of fishing pressure was observed.

**OTHER RECREATIONAL USES** - None noted.

**ACCESSIBILITY** - Easy access is provided by streamside roads along most of its length. (See attached map)

**OWNERSHIP** - Most of the stream is on private land.

**POSTED OR OPEN** - Most of the stream is posted.

**IMPROVEMENTS** - None observed.

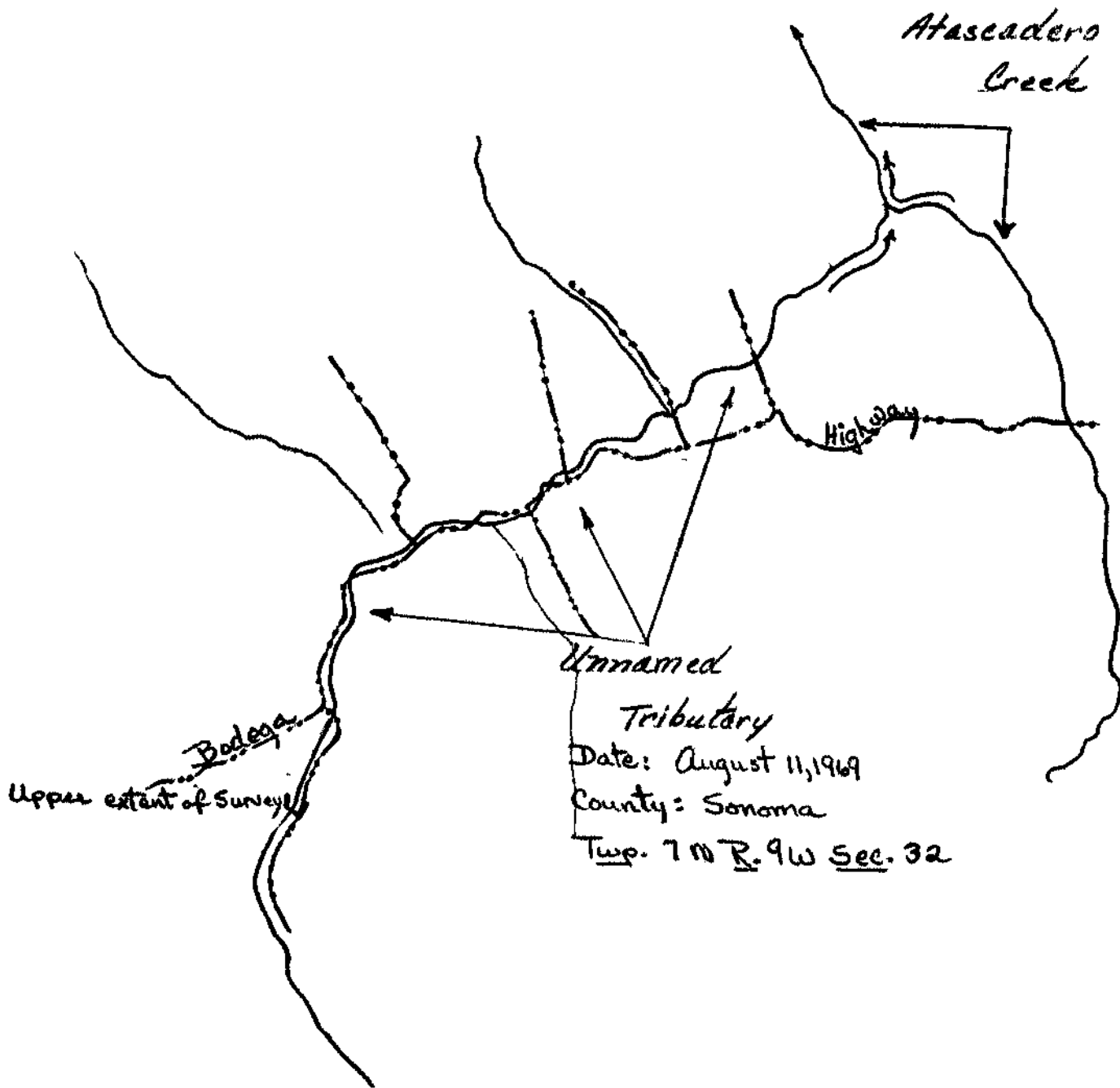
**PAST STOCKING** - None known.

**GENERAL ESTIMATE** - Visual appearances seem to indicate that this stream would support some fish life. The fact fish were not observed may be due to an apple cannery located on Atascadero Creek about two miles downstream from the confluence of this tributary. This cannery has been known to dump wastes into Atascadero Creek during the canning season, thus preventing upstream migration. Spawning size gravels and good vegetative cover are present.

**RECOMMENDED MANAGEMENT** - This stream could be managed for steelhead and silver salmon. [The Department should consider] channelization through the swamp areas of Atascadero Creek to provide a better migration route, for salmonids.

**SKETCH MAP** - See attached map.

**REFERENCES AND MAPS** - U.S.G.S. maps - 15 minute series - Sebastopol quadrangle 1959.



Unnamed  
 Tributary  
 Date: August 11, 1969  
 County: Sonoma  
 Twp. 7 N R. 9 W Sec. 32

----- Access roads

↑  
 N  
 Scale: 2 inches = 1 mile  
 0    1/4    1/2    1 mile