

THE RESOURCES AGENCY OF CALIFORNIA
Department of Fish and Game

STREAM SURVEY

Date: 4/1/73

NAME: Maacama Creek COUNTY: Sonoma

STREAM SECTION: FROM: Maacama Creek Ranch TO: Chalk Hill Rd. Bridge LENGTH: 1.5 mi.
Bridge

TRIBUTARY TO: Russian River TWP: _____ R: _____ SEC: _____

OTHER NAMES: Weather - Clear & Sunny RIVER SYSTEM: Russian River System

SOURCES OF DATA: By foot, personal observation by - R. A. Morinaka, Seasonal Aide

- 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
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- PAST STOCKING
- GENERAL ESTIMATE
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- SKETCH MAP
- REFERENCES AND MAPS

Watershed - Tributaries of Maacama Creek are: Ingalls, McDonnel, Bluegun, Briggs, Swank, Redwood, and Franz Creek. Terrain is rolling hills with oak groves and willows; conifer forest. Much of streamside use in agricultured type work.

Altitude - Headwater - Maacama Mountains. Mouth - 160' @ Russian River confluence.

Gradient - 50'/mi.

Width - Riffles (5' - 30') (pools 10' - 40')

Depth - riffles (1/2' - 1-1/2') pools (more than 6')

Bottom - Sand with abundant gravel and rubble.

Spawning Area - Good

Pools - Undercut banks and logdiggers.

Shelter - Trees (Oak, Conifers & Willows) line most of the edge of stream.

Diversions - One large irrigation pump 1/2 mile upstream from Chalk Hill Bridge. (6" - 8" dia. pipe for irrigation) Domestic pumps lining most of river from wells.

Temperature - 51 degrees F. - 1600 shaded riffle.

Food - May, Stonefly nymphs, Caddisfly larvae.

Pollution - None Observed.

Fish - (one) adult steelhead 27" - 28" going downstream. (8 - 10) juvenile - steelhead 6 - 10" 20+ western suckers 3-spine sticklebacks Venus Roach.

Other Vertebrates - Pacific Newt, turtles, deer and racoon tracks.

Fishing Intensity - Closed now.

Other Recreational Use - Resident said gravel-type summer dams constructed for swimming.

Accesibility - Through private property only.

Ownership - Private with many places posted.

THE RESOURCES AGENCY OF CALIFORNIA
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STREAM SURVEY

Date: 3/28/73

NAME: Maacama Creek COUNTY: Sono

STREAM SECTION: FROM: Chalk Hill Bridge TO: confluence w/ Russian River LENGTH: 1.5 mi.

TRIBUTARY TO: Russian River TWP: R: SEC:

OTHER NAMES: Weather - Clear, Sunny RIVER SYSTEM: Russian River

SOURCES OF DATA: 3/28/73 -- Personal- Observations on foot by - R. A. Morinaka, Seas. Aide

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- Watershed - Tributaries to Maacama Creek are from headwaters to the mouth: Ingalls, McDonnel, Bluegun, Briggs, Swank, Redwood and Franz Creek. The terrain of the surveyed area consisted of rolling hills, large open meadows with scattered oak groves. Much of the surrounding property is either farmed or used for grating.
- Altitude - Headwaters - Maacama Mountains (elevation 4000' of more) Mouth - 160' @ Russian River confluence.
- Gradient - 60'/mi.
- Width - (riffles - 10' - 30') (pools - 5' - 40')
- Depth - (riffles - 6" - 2') (pools - more than 5')
- Flow - 1' - 3'/sec., water colorless and clean.
- Bottom - Silt and sand prevalent on sluggish channels.
- Gravel - Ruble not abundant.
- Spawning Area - Fair to poor.
- Pools - Undercut banks form narrow pools 4' - 6' deep.
- Shelter - Willows and oaks abundant along bank.
- Barriers - No major barriers observed.
- Temperature - 64 degrees F. - air
- Water Temp. - 51 degrees F. shaded riffle @ noon.
- Food - May, Stone, Caddis fly larvae.
- Winter Cond. - high water mark shown by large amounts of small ruble to boulders washed up by Franz-Maacama confluence.
- Pollution - None observed.
- Fish - 3-spine stickleback, venus roach, juvenile steelhead and western suckers.
- Other Vertebrates - water turtles, coon and deer tracks.
- Fishing - Closed
- Recreational Use - none observed.
- Accessibility - Chalk Hill Road parallels Maacama Creek from Chalk Hill Road Bridge to Franz Creek - Maacama Creek confluence - 3/4 mi.
- Ownership - Private with most areas posted.

THE RESOURCES AGENCY OF CALIFORNIA
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STREAM SURVEY

Date: 3/30/73

NAME: Maacama Creek COUNTY: Sono

STREAM SECTION: _____ FROM: Maacama Creek Ranch TO: Camp Maacama LENGTH: 1.5 mi.
Bridge Bridge

TRIBUTARY TO: Russian River TWP: _____ R: _____ SEC: _____

OTHER NAMES: Rain and overcast RIVER SYSTEM: Russian R. System

SOURCES OF DATA: by foot observation (R. A. Morinaka, Seasonal Aide)

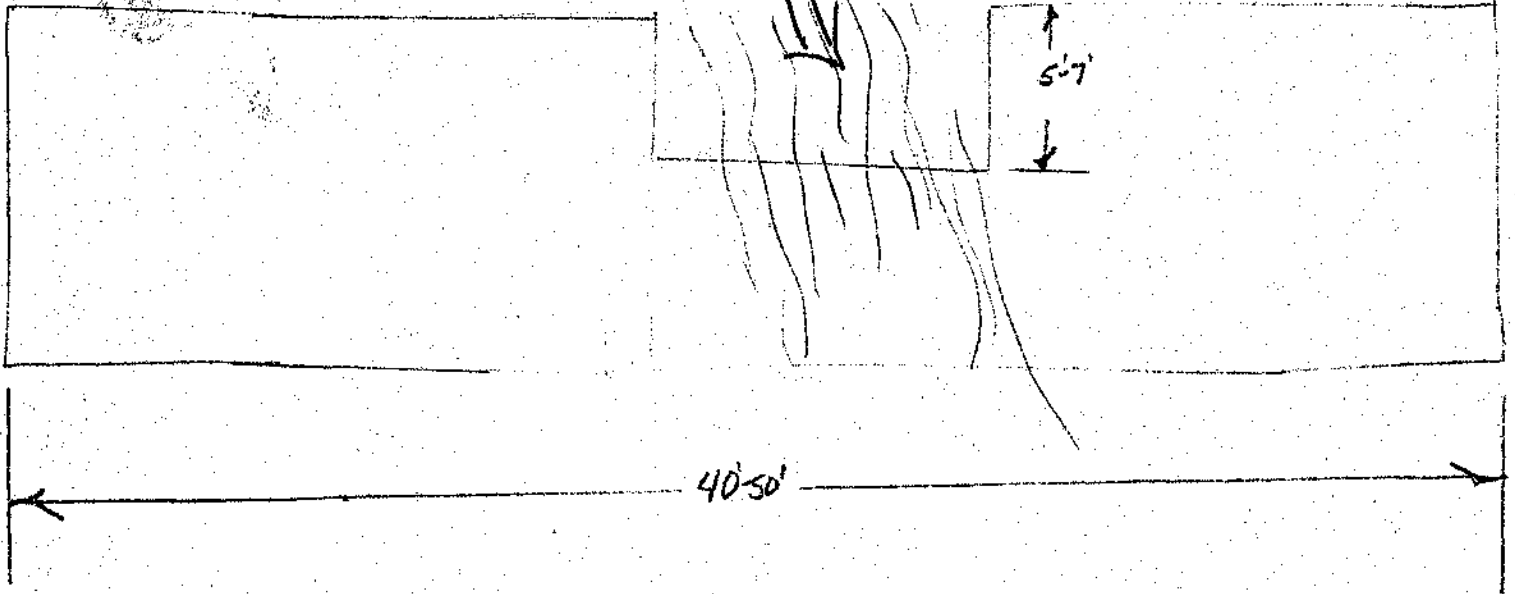
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- Watershed - Tributaries from headwater to mouth: Ingalls, McDonnell Bluegun, Briggs, Swank, Redwood and Franz Creek.
- Terrain - is rolling hills with conifer - oak forest.
- Altitude - Headwaters Maacama Mountains. Mouth - 160' @ Russian River confluence.
- Gradient - 60'/mi.
- Width - riffles - (10' - 15') Pools - (10' - 25')
- Depth - riffles - (1/2' - 1-1/2') Pools - (5')
- Bottom - Sand to rubble.
- Spawning area - Top half of area is continuous pool - riffle area, bottom half sluggish channels (1/2'/sec.) sand bottom.
- Pools - good, covered - some deep 5'
- Shelter - Fallen or overhanging willows with oaks growing along the side of the creek.
- Barriers - Two observed 1/4 mi downstream from camp Maacama. (Described on attached page.)
- Temperature - 53 degrees F. in riffle, overcast rainy day.
- Food - May, Stone and Caddis fly larvae.
- Winter Conditions - Highwater left debris on banks 8' - 10' higher than present water flow.
- Pollution - Turbid water observed coming from Redwood creek (4/2/73) Upstream colorless, but from confluence of Maacama -Redwood light brown downstream.
- Fish Present - Western Suckers, 3-spine stickleback, Venus Roach and steelhead fry.
- Other Vertebrates - Pacific Newt, Deer and Raccoon tracks and turtles.
- Fishing Intensity - closed now
- Recreational Use - None observed
- Accessibility - Along Highway 128
- Ownership - Private and posted along complete area surveyed today.

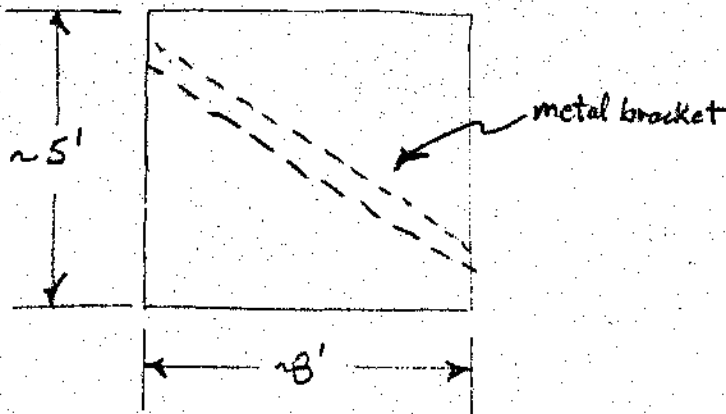
50/73 Maacama Creek - Two barriers observed 1/4 mile downstream from Maacama Camp & one @ Camp Maacama.

A) Located @ Camp Maacama, bridge-type concrete barrier.

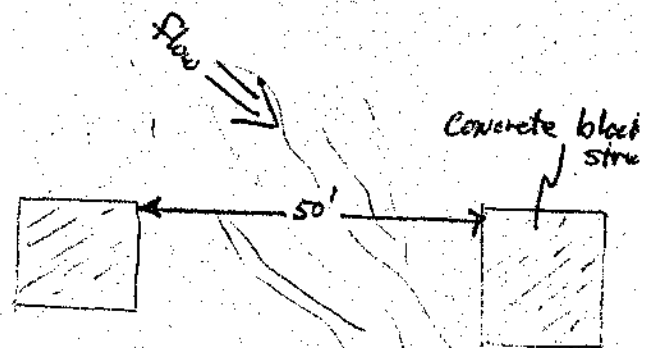
(Front View)



B) Located 1/4 mile downstream from Camp Maacama, Summer Dam-type structure



(Side View)



(Top View)

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STREAM SURVEY

Date: 4/2/73

NAME: Maacama Creek COUNTY: Sonoma

STREAM SECTION: FROM: Maacama Creek Bridge TO: Cable Bridge on LENGTH: 2.0
LeFranc's Ranch

TRIBUTARY TO: Russian River TWP: R: SEC:

OTHER NAMES: Weather - Clear and Sunny RIVER SYSTEM: Russian River

SOURCES OF DATA: Personal observation by foot - R.A. Morinaka, Seasonal Aide

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- Watershed - Tributaries of Maacama Creek are: Ingalls, McDonnell Bluegun, Briggs, Swank, Redwood and Franz Creek. Terrain is mostly open meadows with a few scattered Oak and conifer groves.
- Altitude - Headwaters - Maacama Mountains
Mouth @ Russian River confluence - 160'
- Gradient - 60'/mi.
- Width - Riffles (10' - 20'), Pools (5' - 15')
- Depth - Riffles (1/2' - 2-1/2'), Pools (more than 5')
- Velocity - 1' - 5'/Sec.
- Bottom - Sand but gravel - rubble abundant.
- Spawning Areas - Good, large gravel and rubble available.
- Pool - Hightpool - riffle ratio (1:1)
- Shelter - Oak and Willow lines the stream.
- Barriers - One log jam with cable holding logs.
- Diversion - No pumps seen.
- Temperature - 52 degrees F., open riffle - 11:00 a.m.
- Food - May, Stone, Caddis, Dragon, Damsel fly larvae and adult.
- Pollution - Cattle from LaFranci's ranch use creek for watering and evidently leave their feces and urine in the creek
- Fish Present - Western suckers, 3-spine stickleback and venus roach (one) juvenile steelhead (more than 200) Alevin steelhead in rocky areas near riffles.
- Other Vertebrates - Turtles, Kingfisher, deer and coon tracks and LaFranci's cattle. Pacific Newt, frogs.
- Fishing Intensity - None Now
- Other Recreational Use - None a all commercial.
- Accessibility - Through LaFranci's Ranch (permission required) or along highway 128 near Maacama Creek Bridge.
- Ownership - Private and posted.