14 SURVEYS

TRIBS
- CAVE PR - 1/4 Mi
- MINOR - 1 1/2 Mi
- LACUS - 2 1/2 Mi
- PANTHER - 1 3/4 Mi
- BRIDGE - 4 Mi
- TOM MO. - 1 3 Mi
- LOST MAN - 1 Mi

FISH, 1906 - 84 Mi TOT.
The Resources Agency of California
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Lake Creek Sec. 15N, R4E, S26
Date: 7-28-66

Section: 1/4 mile to 1/2 mile upstream (trib to Redwood Creek)
Observer: T. Cleary

Water temperature: 

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present

5. Barriers
   - None
   - Present; _____ Number

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; _____ Number

8. Fish
   - Species: Rainbow trout
   - Abundance: High
     - Rare
     - Moderate
     - High

9. Causes of damage
   - Logging
   - Dams
   - Roads
     - Logging
     - County or State
     - Other
     - Other
California Department of Fish and Game

STREAM SURVEY

NAME OF STREAM: Ayres Cabin to Lake Feake C.R.

DATE: 7/28/65

EXTENT OBSER. AEGER. CABI TO LAKE FEAKE C.R.

TRIB. TO: Pacific Ocean

RELATION TO OTHER WATERS

WATERSHED AND IMM. DRAINAGE BASIN (Type, Terrain, Soil, Vegetation, Etc.):

Situated in a valley with a steep bank and flat bottom.

WIDTH: 6-12 feet

DEPTH: 4’ to 4’ feet

FLOW: 4 cfs to 6 cfs

VELOCITY: Moderate to swift

BOTTOM (boulder, cobble, gravel, sand, mud, silt, organic debris):

Boulders & gravel

SPawning AREAS: Excellent and numerous

POOLS: Not many in relation to open stretches. Day shallow slow-moving water.

SHELTER: Very little

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT:

Although numerous slide down occurred in the area, they should be in fairly good condition. Egging has taken place and may have contributed to the problem.
<table>
<thead>
<tr>
<th>STATIONS</th>
<th>Location of Station</th>
<th>Width</th>
<th>Depth</th>
<th>Bottom</th>
<th>Spawn. Area</th>
<th>Flow</th>
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<td>Flow</td>
<td>Veloctiy</td>
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</tbody>
</table>

**NAME OF STREAM**

**BARIERS AND DIVERSIONS**

**FOOD**

Sockeye

**FISH PRESENT**

- Sockeye
- Abundance: Moderate to Low

**FISHING INTENSITY**

- Light

**STATIONS**

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<tr>
<th>Location of Station</th>
<th>Width</th>
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<th>Bottom</th>
<th>Spawn. Area</th>
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<th>Veloctiy</th>
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</tr>
</thead>
</table>

**ACCESSIBILITY AND REMARKS ON ROUTE**

- Accessible by logging road at
- with 4WD
- Road to and from private road to Afton Creek
- approximately 1 mile

**ADDITIONAL DATA**

- Water Condition: Typical
- Flood Flow: As indicated on the map

---

---
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STREAM HABITAT SURVEY

Stream:

Section:

Observer:

Date: 7-28/66

Water temperature: 76°F at 1500

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - None Present Naturally
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present (very little)

5. Barriers
   - None
   - Present; _______ Number

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; _______ Number

8. Fish
   - Rainbow (Very little)
   - Abundance
     - Rare
     - Moderate
     - High

9. Causes of damage
   - Logging
   - Dams
   - Roads
     - Logging
     - County or State
     - Other
     - Other
<table>
<thead>
<tr>
<th>NAME OF STREAM</th>
<th>Redwood Creek</th>
</tr>
</thead>
</table>

**REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT**

*Stream would seem to provide good spawning with higher water.*

The last half of our section had been washed off close to the station in the area. Did not affect six streams.

---

**STREAM SURVEY**

**NAME OF STREAM:** Redwood Creek, Humboldt

**DATE:** 7/28/62

**EXTENT of Survey:** Windy Creek upstream to Ayres' Cabin

**DRAINEAGE DISTANCE:** About 5 miles

**RELATED TO OTHER WATERS:** Pacific Ocean

**WATERSHED AND IMMEDIATE DRAINAGE BASIN**
- Topography:
  - Coniferous forest
  - No shade or creek
  - Rocky flood plain

**WIDTH:** 10'

**DEPTH:** 1 ft

**FLOW:** 10 cfs

**VELOCITY:** 1 ft/sec

**BOTTOM**
- (Bedrock, Boulders, Rubble, Gravel, Sand, Mud, Silt, Organic Debris)
  - 75% Rubble
  - 20% sand + gravel
  - 5% silt + bedrock

**SPAWNING AREAS**
- Many good spawning areas, but no cover or shade

**POOLS**
- Few with little cover

**SHELTER**
- Very little

---

**NAME OF SURVEYOR:** J.R. Hair, Jerry Christensen
<table>
<thead>
<tr>
<th>STATION DATA</th>
<th>Location of Station</th>
<th>Width</th>
<th>Depth</th>
<th>Bottom</th>
<th>Spawn Area</th>
<th>Flow</th>
<th>Velocity</th>
<th>Stream Condition</th>
<th>Water Temp.</th>
<th>Air Temp.</th>
<th>Time and Date</th>
<th>Weather</th>
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**ACCESSIBILITY AND REMARKS ON ROUTE (Road or Trail, Mileage and Time):**

- No access roads seen. Bridge & road about ½ way up was washed out.

**ADDITIONAL DATA** (Aquatic Plants, Winter Conditions, Pollution, Springs, Other Vegetation, Other Recreational Use, Ownership, Paved or Open, Past Snowing, Other Names, Numerical Accuracy of Maps, Sketch Map, Photograph, Other References):

- Mass in the water in many places.
- Several small springs & streams.
- Very high water in winter.
- Water temp: 65⁰ - 76⁰.
- From Windy Cr to Ayres Cabin.
- Water was clear.
- Saw one eagle - species?
- For 1 - 3 miles.
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STREAM HABITAT SURVEY  

Stream: [Replacements]  
Date:  2/28/66  

Section:  
Observer:  
Water temperature:  

1. Percent at bottom covered with silt  
   - 0 - 25  
   - 26 - 50  
   - 51 - 75  
   - 76 - 100  

2. Shelter  
   - Present  
   - Partially removed  
   - Removed  

3. Pools  
   - Present  
   - Partially eliminated  
   - Eliminated  

4. Debris (slash, logs, tailings, etc.)  
   - None  
   - Present  

5. Barriers  
   - None  
   - Present; [Replacement]  

6. Streamside canopy  
   - Present  
   - None present originally  
   - Partially removed  
   - Removed  

7. Diversions  
   - None  
   - Present; [Replacement]  

8. Fish  
   - Species:  
   - Abundance:  
     - Rare  
     - Moderate  
     - High  

9. Causes of damage  
   - Logging  
   - Dams  
   - Roads  
   - County or State  
   - Other  

[Additional handwritten notes]
**NAME OF STREAM**: Redwood Creek  
**REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT**  
Excellent spawning area for Steelhead & salmon  
Poor as a resident trout fishery on account of poor shelter, lack of pools  

---

**FIELD FORM**  
**STREAM SURVEY**  
**NAME OF STREAM**: Redwood Creek Co. Humboldt  
**DATE**: 1-27-66  
**EXTENT ORDER**: From confluence with South Fork to one mile below Redwood Valley road  
**TRIB. TO**: None  
**RELATION TO OTHER WATERS**

**WATERSHED AND IMMEDIATE DRAINAGE BASIN**  
(Types Terrain, Soil, Cultivation, Vegetation, Shade)  
Stream surrounded by unused farmland.  
Edge of sparsely wooded area, south facing,  
Broad leaf trees: maple, alder  
Width: 5' to 20' ft  
Depth: 4' to 4'  
Flow: Approx. 6 cfs  
Velocity: 2-3 ft/sec  

**BOTTOM**  
(Bedrock, Boulder, Bubbly, Gravel, Sand, Mud, Silt, Organic Debris)  
Some rubble — mostly gravel & sand,  
no organic debris  

**SPawning AREAS**  
Excellent for anadromous fish spawning. Poor for resident  
Trout  

**POOLS**  
Some pools but very sparse in number  

**SHELTER**  
Very little shelter. Mostly open water, with little streamside debris, few pools  

---

**NAME OF SURVEYOR**: A. K. Mitchell, Chief Fisherman
### NAME OF STREAM
- Redwood Creek

### FISH PRESENT
- Species: Steelhead, Fingerlings
- Sex: Adult, Fingerling size
- Abundance: Rare
- Condition: Excellent
- Nat. Propagation: Present
- Other Remarks: Spawning beds about 12" in diameter in the stream. Steelhead was seen in warmer waters of the stream.

### STATIONS

<table>
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### ACCESSIBILITY AND REMARKS ON ROUTE
- 1st two miles were paralleled by logging roads. Last one mile was paralleled by Redwood valley road, twin highway and one county bridge across the section.

### ADDITIONAL DATA
- Most land was fenced, but not posted.
- Aquatic plants were at a minimum.
- One spring at 740 ft coming off hill.
- 34 mile upstream of 299 bridge.
- Stream dammed off by gravel to Parker's Flats.
- Recreational lake 4 mile below 299 bridge.
- Many deer at certain cooks gull and evidence of a beaver were observed.
- Stream bed alteration 3/4 mile from 299 bridge - Jean below old county bridge.
- Paint from 299 bridge observed in stream or paint which had washed down river.
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Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Redwood Creek
Date: 6-27-66

Section: From confluence of Windy Creek to 1 mile downstream of Redwood Valley Road (Anderson Camp)
Observer: Warner & Webster
Water temperature: 60°

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present a few shallow pools
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - Present small amount from flood and old logging operations
     - Rare
     - Moderate
     - High

5. Barriers
   - None
   - Present; Number

6. Streamside canopy
   - Present on outer edges of creekbed
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; Number pump(s)

8. Fish
   - Species: Rainbow trout, probably Steelhead
   - Abundance: Rare

9. Causes of damage
   - Logging, a small amount of silt and debris from old logging operations
   - Dams damaged
   - Roads
     - Logging
     - County or State
     - Other
   - Other

Start 0950
Finish 1350
Anglers: 0
Light
Heavy


**NAME OF STREAM:** Redwood Creek  
**REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT**  
Stream as a whole is constant flowing with very few pools. Cover is also scarce. No debris is present and there are no barriers or diversions.

---

**STREAM SURVEY**

**NAME OF STREAM:** Redwood Creek, co Humboldt  
**DATE:** 7-27-46  
**EXTENT OBSER:** Camp Anderson downstream about 11 miles to the confluence with Panther Co.  
**TRIB TO:**  
**RELATION TO OTHER WATERS:**

**WATERSHED AND IMMEDIATE DRAINAGE BASIN (Type: Terrain; Soil; Cultivation; Vegetation; Shade):**
- Mixed spruce forest & brush -- Moderate
- Steep canyon -- Wide gravel beds along banks of stream

**WIDTH:** Averages 15 to 20 feet

**DEPTH:**
- Average 6-9 inches -- A few pools 3 or 4 feet in depth

**FLOW:**
- Upper section 6 c.f.s.
- End section 8 c.f.s.

** VELOCITY:** Sluggish to moderately rapid

**BOTTOM:** (Bedrock, Boulder, Rubble, Gravel, Sand, Mud, Silt, Organic Debris) 70%  
- Small gravel -- 25% rubble -- 5%  
- Coarse sand

**SPawning Areas:** Numerous large sections of small gravel

**POOLS:** Very scarce. Those present are scattered and relatively shallow

**SHELTER:** Lacking in almost entire section
**NAME OF STREAM**: Redwood Creek  

**FISH PRESENT**: Species: Steelhead Trout  

**Size**: Fingerlings  

**Abundance**: Moderately High  

**Screem Condition**:  

**Water Temp.**:  

**Air Temp.**:  

**Time and Date**:  

**Weather**:  

**Altitude**:  

**Location of Station**  

**STATIONS**  

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<thead>
<tr>
<th>No. 1</th>
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<th>No. 6</th>
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</table>

**FISHING INTENSITY**: Light  

**ACCESSIBILITY AND REMARKS ON ROUTE** (Road or Trail, Mileage and Time)  

Canyon road and logging roads parallel most of stream  

**ADDITIONAL DATA** (Aquatic Plants, Water Conditions, Pollution, Springs, Other Vertebrae, Other Recreational Use, Ownership, Paved or Open, Past Banking, Other Plants, Names and Accuracy of Maps, Sketch Map, Photograph, Other References.)  

---

**NAME OF STREAM**: Redwood Creek  

**BARRIERS AND DIVERSIONS**: None  

**FOOD**: Moderately Abundant  

**STATIONS**  

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Department of Fish and Game  

STREAM HABITAT SURVEY  

Stream: REDWOOD CREEK  
Date: 7-27-66  

Section: ANDERSON CAMPGROUND TO PILGER CREEK  

Observer: MULLEN & FJELLSTAD  

Water temperature: 66° → 78°  

<table>
<thead>
<tr>
<th>1. Percent at bottom covered with silt</th>
<th>6. Streamside canopy</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 25</td>
<td>Present</td>
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<tr>
<td>26 - 50</td>
<td>None present originally</td>
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<tr>
<td>51 - 75</td>
<td>Partially removed</td>
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<tr>
<td>76 - 100</td>
<td>Removed</td>
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<tr>
<th>2. Shelter</th>
<th>7. Diversions</th>
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<tbody>
<tr>
<td>Present</td>
<td>None</td>
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<tr>
<td>Partially removed</td>
<td>Present; Number</td>
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<td>Removed</td>
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<th>3. Pools (probably none originally)</th>
<th>8. Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Present</td>
<td>Species: STEELHEAD</td>
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<tr>
<td>Partially eliminated</td>
<td>Abundance</td>
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<tr>
<td>Eliminated — washed out by flood waters</td>
<td>Rare</td>
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<td></td>
<td>Moderate — As Fingerlines to 4” only</td>
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<td>High</td>
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<thead>
<tr>
<th>4. Debris (slash, logs, tailings, etc.)</th>
<th>9. Causes of damage</th>
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<tbody>
<tr>
<td>None</td>
<td>Floor</td>
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<td>Present</td>
<td>Logging</td>
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<th>5. Barriers</th>
<th>10. Other</th>
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<tbody>
<tr>
<td>None</td>
<td>Logging</td>
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<tr>
<td>Present; Number</td>
<td>County or State</td>
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<td>Other</td>
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</table>

Log

Light
NAME OF STREAM: Minor Creek

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

The section of Minor Creek, observed at first appears to be in poor condition for spawning. The bottom is mostly rubble and boulders which is covered with a thin layer of silt. Very little gravel seen. Silt covers about 75 to 90% of the bottom below the log jam. Fish (fingerlings) are numerous and in good condition.

About 1 mile upstream from Redwood Creek is a very large log jam. Much of the wood in the jam has been charred (by fire). Evidence of logging included a few cut ends in the log jam and several old steel cables. This jam has apparently been "in situ" for some time as silt and rubble have filled in behind it. The log jam apparently acts as a complete barrier to migrating steelhead and salmon. Above the jam, the bottom silt is reduced to about 75% but no fingerlings were observed.

NAME OF SURVEYOR: 1/4 Fjelstad
NAME OF STREAM: Minor Creek

BARRIERS AND DIVERSIONS: Several 3-4' natural falls, but are probably not barriers, one very large log jam (1 mile up) is a complete barrier.

FOOD: Very little to be seen.

FISH PRESENT: Species: Steelhead
- Size: 3' fingerlings
- Abundance: High
- Success: Good
- Condition: Good
- Nat. Propagation: Adequate
- Other Remarks: Although conditions seemed poor for spawning, large numbers of salmonid fry were observed below the log jam. Opposite foot (not legible on original copy): No fingerlings were observed above log jam. No fish larger than 3" were seen anywhere on Minor Creek.

FISHING INTENSITY: Apparently light - no trails or fishing trash observed. Land is posted so any fishing is probably by owners or guests of Redwood Creek Ranch.

ACCESSIBILITY AND REMARKS ON ROUTE (Road or Trail, Mileage and Time)
- Road from Redwood Valley Road, vicinity of Redwood Creek, approximately 1/2 mile.
- Access by foot for about 1/2 mile, then by trail.

STATIONS
<table>
<thead>
<tr>
<th>Location of Station</th>
<th>Width</th>
<th>Depth</th>
<th>Bottom</th>
<th>Spawn Area</th>
<th>Flow</th>
<th>Velocity</th>
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ADDITIONAL DATA (Aquatic Plants, Winter Conditions, Pollution, Springs, Other Vegetation, Other Recreational Use, Ownership, Posted or Open, Past Stocking, Other Names, Names and Accuracy of Maps, Sketch Map, Photograph, Other References)
- Aquatic Plants: algae, water crowfoot - probably very high (50%+), no observation
- Pollution: No observed springs, other
- Fish: brook trout - lots, salmon, steelhead, others
- Other recreational use: hunting
- Ownership: Redwood Creek Ranch on surveyed section - land is posted

- - 2 -
**The Resources Agency of California**  
**Department of Fish and Game**

**STREAM HABITAT SURVEY**

<table>
<thead>
<tr>
<th>Stream: M I N O R  C R E E K</th>
<th>Date: 7-28-66</th>
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</thead>
<tbody>
<tr>
<td>Section: 1.5 MILES ABOVE REDWOOD CREEK TO REDWOOD CREEK</td>
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</tbody>
</table>

**Observer:** WEBSTER & FJELSTAD  
**Water temperature:** EST 65-75 °

1. Percent at bottom covered with silt
   - [ ] 0 - 25
   - [X] 26 - 50
   - [X] 51 - 75
   - [ ] 76 - 100

2. Shelter
   - [X] VERY LITTLE ORIGINALLY
     - [X] Present
     - [ ] Partially removed
     - [ ] Removed

3. Pools
   - [X] Present
   - [ ] Partially eliminated
   - [ ] Eliminated

4. Debris (slash, logs, tailings, etc.)
   - [X] None
   - [ ] Present
   - [ ] One HUGE LOG JAM

5. Barriers
   - [X] None
   - [X] Present; 1 Number
     - [ ] Huge Log Jam - Stopped

6. Streamside canopy
   - [ ] Present
   - [X] None present originally
   - [ ] Partially removed
   - [ ] Removed

7. Diversions
   - [X] None
   - [ ] Present; Number

8. Fish
   - Species: STEELHEAD
   - Abundance
     - [X] Rare
     - [ ] Moderate
     - [X] High

9. Causes of damage
   - [X] Logging
   - [ ] Dams
   - [ ] Roads
   - [ ] County or State
   - [ ] Other
   - [ ] Other
NAME OF STREAM  

Lacks Creek

REMARKS—GENERAL ESTIMATE—
RECOMMENDED MANAGEMENT

In spite of silting from poor logging, the stream seems to be very fertile with fingerlings. The stream is an excellent salmon-steelhead spawning stream but it could be improved by removal or diversion (sic) of the two falls barriers.

The pool to riffle ratio makes it an ideal stream for resident trout, which are already in moderate amounts in upper portions. Stocking inadvisable because of poor accessibility.

Some of the logs and debris should be removed from the logged area in order to prevent landslides in the lower stream during high water periods.

TYPED BY L. FAUNCE (2-26-75 FROM A Poor Xerox Copy)

NAME OF SURVEYOR  

J. W. WEBSTER

STATE OF CALIFORNIA  

DEPARTMENT OF FISH AND GAME  

STREAM SURVEY

NAME OF STREAM  

Lacks Creek  

CO. Humboldt

DATE  

7-28-66

EXTENT OBSER.  

About 2½ miles upstream (or about 1½ miles above second series of falls) to Redwood-Lacks confluence

TRIB. TO  

Redwood Creek

RELATION TO OTHER WATERS  

WATERSHED AND IMMED. DRAINAGE BASIN (Type: Terrain; Soil; Cultivation; Vegetation; Shade) Much streambed unutilized this time of year. Where unlogged, watershed consisted of small conifers with mostly broad leaved trees

WIDTH  

1 ft - 15 ft

DEPTH  

2" - 5 ft

FLOW  

1 - 1½ cfs

VELOCITY  

1 ft/sec

BOTTOM (Bedrock, Boulder, Rubble, Gravel, Sand, Mud, Silt, Organic Debris)  

Mostly gravel + sand with some rubble + boulders. Bottom greatly silted from poor logging

SPawning AREAS  

Excellent spawning gravel, especially for steelhead & salmon

POOLS  

Huge pools with good spawning gravel, all the way down to logging road bridge

SHELTER  

Boulders & cascading areas offer good protection for fish
**NAME OF STREAM**

**Lacks Creek**

**BARRIERS AND DIVERSIONS**
1/4 mile from start, a 6 ft. falls, which has a streamer at its base. Pool lower, a 7 ft. falls.
- 1/2 mile from start, a cascading section, a 5 ft. falls, which decreases to a small man-made pool lower at 8 ft. falls.

**FOOD**
Limited amount of insect food. Mayfly & Caddis Fly observed. Snails abundant.

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**STATIONS**

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**ACCESSIBILITY AND REMARKS ON ROUTE**
(Road or Trail, Mileage and Time)
Most of area is private land with several gates & locked gate barring entrance. Only accessibility is from logging road bridge about 1/2 mile from confluence.

---

**ADDITIONAL DATA**
(Aquatic Plants, Winter Conditions, Pollution, Springs, Other Vertebrates, Other Recreational Use, Ownership, Posted or Open, Past Stocking, Other Names, Names and Accuracy of Maps, Sketch Map, Photograph, Other References.)
- Small amounts of aquatic algae
- A very poor logging show took place in 1956 by Walker Bros C.P.; which deposited much silt in entire course of stream. Canopy taken away in several areas. During winter rains, slash & lager washed downstream, tearing out the banks & causing huge land slides. One slide brought the Stover Bros Ranch to hire bulldozer to build a new channel for stream near the confluence.

---

**FISH PRESENT**
Species: **Rainbow**
Size: 9"-9"
Abundance: **Good**
Condition: **Excellent**
Nat. Propagation: **Excellent**
Other Remarks: Natural propagation excellent up to first falls. Natural propagation moderate between falls. patio larger fish 6"-7" seen than fingerlings. Above both falls no fly or fingerlings observed, but several trout 7"-8" were seen.

**FISHING INTENSITY:** Low intensity
No anglers observed.

---
The Resources Agency of California
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Lacks Creek
Section: End of logging road (approximate) to end of logged area
Date: 7-28-66
Observer: WEBSTER
Water temperature: 71° - 74°

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present

5. Barriers
   - None
   - Present: 2

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present: Number

8. Fish
   Species: Rainbow

9. Causes of damage
   - Logging
   - Dams
   - Roads
   - County or State
   - Other

Start: 1145
Finish: 1240
Anglers: 0

Light
The Resources Agency of California  
Department of Fish and Game  

STREAM HABITAT SURVEY  

Stream: Lack Creek  
Date: 7-24-66  
Section: End of logged area to end of cascaded falls area  
Observer: Webster  
Water temperature: 74° - 73°  

<table>
<thead>
<tr>
<th>1. Percent at bottom covered with silt</th>
<th>6. Streamside canopy</th>
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</thead>
<tbody>
<tr>
<td>□ 0 - 25</td>
<td>□ Present</td>
</tr>
<tr>
<td>□ 26 - 50</td>
<td>□ None present originally</td>
</tr>
<tr>
<td>□ 51 - 75</td>
<td>□ Partially removed</td>
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<tr>
<td>□ 76 - 100</td>
<td>□ Removed</td>
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</tbody>
</table>

2. Shelter  
□ Present  
□ Partially removed  
□ Removed  

3. Pools  
□ Present  
□ Partially eliminated  
□ Eliminated  

4. Debris (slash, logs, tailings, etc.)  
□ None  
□ Present mostly natural from flood damage  

5. Barriers  
□ None  
□ Present; Number 2 feet 5 1/4 ft  

6. Fish  
Species: Rainbow  
Abundance  
□ Rare  
□ Moderate  
□ High  

7. Diversions  
□ None  
□ Present; Number  

8. Fish  
Species: Rainbow  
Abundance  
□ Rare  
□ Moderate  
□ High  

9. Causes of damage  
□ Logging  
□ Dams  
□ Roads  
□ County or State  
□ Other  
□ None  

Stake: 1245  
Finish: 1305  
Anglers: 0
The Resources Agency of California  
Department of Fish and Game  

STREAM HABITAT SURVEY  

Stream: Leaks Creek  
Section: End of cascading area To Confluence Redwood  
Observer: Webster  
Water temperature: 23° - 20°  
Date: 7-28-66

<table>
<thead>
<tr>
<th>1. Percent at bottom covered with silt</th>
<th>6. Streamside canopy</th>
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</thead>
<tbody>
<tr>
<td>□ 0 - 25</td>
<td>□ Present</td>
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<tr>
<td>□ 26 - 50</td>
<td>□ None present originally</td>
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<td>□ 51 - 75</td>
<td>□ Partially removed</td>
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<td>□ 76 - 100</td>
<td>□ Removed</td>
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<tr>
<th>2. Shelter</th>
<th>7. Diversions</th>
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<tr>
<td>□ Present</td>
<td>□ None</td>
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<tr>
<td>□ Partially removed</td>
<td>□ Present; _____ Number</td>
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<th>3. Pools</th>
<th>8. Fish</th>
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<tbody>
<tr>
<td>□ Present</td>
<td>Species: Rainbow</td>
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<td>□ Partially eliminated</td>
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<td>□ Moderate</td>
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<tr>
<th>4. Debris (slash, logs, tailings, etc.)</th>
<th>9. Causes of damage</th>
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<tr>
<td>□ None / logs / debris from flood damage</td>
<td>□ Stream altered to rechannel stream</td>
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<td>□ Present</td>
<td>□ Logging through side caused by upstream logging</td>
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<th>5. Barriers</th>
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<tr>
<td>□ None</td>
<td>□ Logging</td>
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<td>□ Present; _____ Number</td>
<td>□ County or State</td>
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Start: 1310  
Finish: 1346  
Anglers: 10
STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
STREAM SURVEY

NAME OF STREAM: Panther Creek

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT
According to loggers working in this area, Panther Creek is utilized by a good number of steelhead spawners.

Resident trout are probably also present.

The head waters have not been logged yet.

(Copied 1-17-75 by D.A. Raunier from poor copy of Hailey’s original notes)

NAME OF SURVEYOR: T. Hailey

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
STREAM SURVEY

NAME OF STREAM: Panther Creek

DATE: 7-27-76

EXTENT OBSERVED: Mouth to about 1/4 miles upstream

TRIB. TO: Redwood Creek

WATERSHED AND IMMED. DRAINAGE BASIN
Type: Terrain; Soil; Cultivation; Vegetation; Shade
Situated in a steep sided V-shaped canyon heavily forested region of Virgin Redwood and Douglas Fir

WIDTH: 4-6 feet average

DEPTH: 6" to about 83 feet

FLOW: Estimated at 0.8 cfs

VELOCITY: Moderate to swift

BOTTOM: Gravel and boulders

SPawning Areas: Numerous, particularly for steelhead and of excellent quality

FOOLS: Many small pools

SHELTER: Abundant consisting of fallen logs and boulders
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</table>
The Resources Agency of California
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Panther Creek Date: 7/27/66
Section: Mouth to about 1.3 miles upstream
Observer: J. Henley Water temperature: 61° at 1500

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present

5. Barriers
   - None
   - Present; Number
   - Log jams present but not complete obstruction to fish; Number

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; Number

8. Fish
   Species: Steelhead fingerlings
   Abundance
   - Rare
   - Moderate
   - High

9. Causes of damage
   - Logging
   - Dams
   - Roads

10. Extent of damage
    - Logging
    - County or State
    - Other
NAME OF STREAM: Redwood Creek
REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT:

1. Open and flat
2. Many boulders, cascading water
3. Similar to (1) but few boulders
   pools; this area may be
   logged (and is being logged)
   but the operations have not
   affected the stream at all.
   WATER

WATERSHED AND IMMEDIATE DRAINAGE BASIN (Type Terrain; Soil; Cultivation; Vegetation; Shade):

WATER QUALITY—PLANT, FISH, ETC.: 110

WATERWAY OR STREAM FAILS FOR TIDE:

WIDTH: 30 FT
DEPTH: 0.5 FT
FLOW: 24.6 CF
VELOCITY: 7 FT

BOTTOM (Bedrock, Boulder, Rubble, Gravel, Sand, Mud, Silt, Organic Debris):

1. 92.5% sand, 12.5% fine
   materials; 50% gravel, 49.5%
   fine materials; 10% rocks.

SPAWN AREA:

POOLS:

SHELTER: None—no boulders; other
   two segments are open.
### Stations Data

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<th>TCRS</th>
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###附加数据

- **Acoustic Plants**: Water Condition, Pollution, Springs, Other Vegetation, Other Recreational Use, Ownership, Permitted Use, Past Stocking, Other Names, Names and Accuracy of Maps, Sketch Map, Photograph, Other References.

<table>
<thead>
<tr>
<th>Species of Fish</th>
<th>TCRS</th>
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<tbody>
<tr>
<td>Whitefish</td>
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<tr>
<td>Mallard Ducks</td>
<td></td>
</tr>
<tr>
<td>Domestic Sheep</td>
<td></td>
</tr>
</tbody>
</table>

---

**Fishing Intensity**: LIGHT RIGHT NOW

**Accessibility and Remarks on Route** (Read or Trail, Mileage and Time):

- Trail is open, easy to follow.
- Most of the way is

---

**Additional Data**: Read or Trail, Mileage and Time.

- Whitefish
- Mallard Ducks
- Domestic Sheep
The Resources Agency of California
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: KIDD CREEK

Section: MOUTH OF MCDONALD CREEK, START 3 MILES UPSTREAM

Observer: CHRISTIAN - HIR

Date: 7-27-66

Water temperature: 64° - 69°F

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present

5. Barriers
   - None
   - Present

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present

8. Fish
   - Species: (FR4)
   - Abundance
     - Rare
     - Moderate
     - High

9. Causes of damage
   - Logging
   - Dams
   - Roads
   - County or State
   - Other

Light

Heather Houlihan
The Resources Agency of California  
Department of Fish and Game  

STREAM HABITAT SURVEY  

Stream: **Redwood Creek**  
Section: **3 mi from Mckittrick CR **  
Observer: **Christie**  
Water temperature: **7-27-66**

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present

5. Barriers
   - None
   - Present; _____ Number

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; _____ Number

8. Fish
   - Species: *Steelhead* - 7" d. Long.  
     - Abundance: Rare
     - Moderate
     - High

9. Causes of damage
   - Logging
   - Dams
   - Roads
     - Logging
     - County or State
     - Other
     - Other

Additional Notes: Unchanged
The Resources Agency of California  
Department of Fish and Game  

STREAM HABITAT SURVEY  

Stream: Redwood Creek  
Date: 7-27-66  

Section: South fork McDonald Creek at mouth of Panther  

Observer: CHRISTENSEN, HANK  
Water temperature: 77° 15.30  

1. Percent at bottom covered with silt  
   - 0 - 25  
   - 26 - 50  
   - 51 - 75  
   - 76 - 100  

2. Shelter  
   - Present  
   - Partially removed  
   - Removed  

3. Pools  
   - Present  
   - Partially eliminated  
   - Eliminated  

4. Debris (slash, logs, tailings, etc.)  
   - None  
   - Present  

5. Barriers  
   - None  
   - Present; Number  

6. Streamside canopy  
   - Present  
   - None present originally  
   - Partially removed  
   - Removed  

7. Diversions  
   - None  
   - Present; Number  

8. Fish  
   Species: Steelhead  
   Abundance  
   - Rare  
   - Moderate  
   - High  

9. Causes of damage  
   - Logging  
   - Dams  
   - Roads  
   - Logging  
   - County or State  
   - Other  
   - Other
**NAME OF STREAM**: Bridge Cr.

**REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT**

Bridge creek runs through a wide gravel bar that is heavily silted and very light brown steelhead may move into it. The fish gravel + open areas seem to support spawning + survival survey lor was too short for spawn, especially the 1st 4 miles. It was possible to determine if they were complete.

*If it is possible to break bone, the gravel bar (for comparison) this creek should be reevaluated as the bone is very low. This creek provides for an excellent spawning grounds for both steelhead + salmon. There are 3-4 miles of gravel beds.*

---

**NAME OF STREAM**: Bridge Cr.

**DATE**: 7-27-1973

**TRIP TO**: Redwood Cr.

**WATERSHED AND IMMEDIATE DRAINAGE BASIN**

<table>
<thead>
<tr>
<th>Type</th>
<th>Terrain</th>
<th>Soil</th>
<th>Cultivation</th>
<th>Vegetation</th>
<th>Shaded</th>
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</tbody>
</table>

**Shape of stream with 10-50 ye old silted gravel channel. Redwood forest with Shaded Maple, Slate + quartz azalea.

**WIDTH**: 2' - 10' average 3'

**DEPTH**: 3' - 15', average 5' in pools, 1' in pools

**FLOWS**: 2 of 3 throughout survey

**SLOPES**: 2 of 4 sec.

**BOTTOM**: (Redwood, Sitka, Red, Green, Sand, Moss, Rice, Organics aerobic)

**Many Slate + quartz gravel well filled + tinted. Some pebbles + rubble. Good for headwaters.

**SPawning AREAS**: 4+ miles + all spawning gravel + well filled + extremely tight.

**POOLS**: 1-3, some + little area

Many casts formed by long jams + few from bottom

**SHELTER**: Approx 3 miles, creek open without shelter, due to wide channel + high trees, logs or bedrock.
**NAME OF STREAM:** Bridge Creek


**STATIONS**

<table>
<thead>
<tr>
<th>Location of Station</th>
<th>Width</th>
<th>Depth</th>
<th>Bottom</th>
<th>Spawn Area</th>
<th>Flow</th>
<th>Velocity</th>
<th>TCRS</th>
<th>TCRS</th>
<th>TCRS</th>
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</tbody>
</table>

**ACCESSIBILITY AND REMARKS ON ROUTE**

8 mile walk up North hill from Tom H's (Donald Cr.) Road. Trail on west ridge of Cr.

**FISHING INTENSITY**

No signs of fishing observed, probably due to inaccessibility.

**ADDITIONAL DATA**

**THE RESOURCES AGENCY OF CALIFORNIA**  
**DEPARTMENT OF FISH AND GAME**

**STREAM HABITAT SURVEY**

**Stream:** DRIVE CREEK  
**Date:** 7-28-66

**Section:** FROM 3 MILES UPSTREAM FROM MOUTH TO 4 MILES UPSTREAM

**Observer:** M. D. GROUSE  
**Water temperature:** 54°

1. **Percent at bottom covered with silt**
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. **Shelter**
   - Present
   - Partially removed
   - Removed

3. **Pools**
   - Present
   - Partially eliminated
   - Eliminated

4. **Debris (slash, logs, tailings, etc.)**
   - None
   - Present LOGS & DEBRIS

5. **Barriers**
   - None
   - Present; _____ Number

6. **Streamside canopy**
   - Present
   - None present originally
   - Partially removed
   - Removed

7. **Diversions**
   - None
   - Present; _____ Number

8. **Fish**
   - Species: CUTTHROAT TROUT (TETRARCHUS)
   - Abundance
     - Rare
     - Moderate
     - High

9. **Causes of damage**
   - Logging
   - Dems
   - Roads
   - Logging
   - County or State
   - Other
   - Other

**N.W.E.E.S. - 0**

**TIME START END**

1200 1320

**17 MILES UPSTREAM FROM MOUTH 0.5 MILES.**
**STREAM HABITAT SURVEY**

**Stream:** BRIDGE CREEK  
**Date:** 7-28-66

**Section:** FROM MOUTH TO JIMSES UPSTREAM

**Observer:** EVANS & RIDGE  
**Water temperature:** 59°

1. Percent at bottom covered with silt
   - 0 - 25
   - √ 26 - 50
   - □ 51 - 75
   - □ 76 - 100

2. Shelter
   - □ Present
   - √ Partially removed
   - □ Removed

3. Pools
   - √ Present SCARCE
   - □ Partially eliminated
   - □ Eliminated

4. Debris (slash, logs, tailings, etc.)
   - □ None
   - √ Present

5. Barriers
   - □ None
   - √ Present; 4 Number
     
     ALL LOG JAMS  
     ONLY PARTIAL  
     BARRIERS.

6. Streamside canopy
   - □ Present
   - □ Little
   - □ None present originally
   - □ Partially removed
   - □ Removed

7. Diversions
   - □ None
   - □ Present; Number

8. Fish
   - Species: CUTTHROAT TROUT & STEELHEAD TROUT
   - Abundance: Rare
   - □ Moderate
   - □ High

9. Causes of damage
   - □ Logging
   - □ Dams
   - □ Roads
     - □ Logging
     - □ County or State
     - □ Other
     - □ Other

**TIME START END**
10:15 12:00

**ANGLERS:** 0
NAME OF STREAM: Tom McDonald Creek

FIELD FORM

NAME OF STREAM: Tom McDonald Creek, Humboldt

DATE: 7/26/66

EXTENT OBSERVATION: 3/4 mile above confluence of McDonald Cr. forks to with Redwood Creek

RELATION TO OTHER WATERS: Redwood Creek to Pacific Ocean

WATERSHED AND IMMEDIATE DRAINAGE BASIN (Type Terrain; Soil; Cultivation; Vegetation; Shade)

Redwood forest, logged, burned; virgin; shady

WATER CONDITIONS

WIDTH: 3 - 6 feet

DEPTH: 6" - 6 feet

FLOW: 3 cfs

VELOCITY: 1 ft/sec

BOTTOM (Bedrock, Boulder, Rubble, Gravel, Sand, Mud, Silt, Organic Debris)

Sand: 25% Rubble and gravel: 10%
Boulders: 15% Bedrock: 10% organic debris

SPAWNING AREAS: Mostly sand and silted over; many small spawning areas.

POOLS: Many; some deep ones, mostly 2 - 3 ft deep

SHELTER: Many logs in the stream; some overhanging brush

NAME OF SURVEYOR: J. R. Hairy, Dick Burke
**NAME OF STREAM:** Tom McDonald Creek  

**BARRIERS AND DIVERSIONS:** No diversions.  
Four upstream barriers (logs) - natural.

**FOOD:** Caddis fly larva in stream, flying insects, some aquatic vegetation (algae).

---

**STATION DATA**

<table>
<thead>
<tr>
<th>STATIONS</th>
<th>No. 1</th>
<th>No. 2</th>
<th>No. 3</th>
</tr>
</thead>
<tbody>
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<td>Location of Station</td>
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<td>Spawn. Area</td>
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<tr>
<td>Altitude</td>
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</table>

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**FISH PRESENT:** Species: Cutthroat trout, possible stock.  
Size: 1" - 6"  
Abundance: many fry, some larger

**ACCESSIBILITY AND REMARKS ON ROUTE** (Road or Trail, Mileage and Time)  
No access roads. Very steep hard climb down from logging road.

**FISHING INTENSITY:** No fishermen observed - no evidence of any fishing (tracks or trash).

**STATIONS**

<table>
<thead>
<tr>
<th>Location of Station</th>
<th>Width</th>
<th>Depth</th>
<th>Bottom</th>
<th>Spawn. Area</th>
<th>Flow</th>
<th>Velocity</th>
<th>TCRS</th>
<th>TCRS</th>
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**ADDITIONAL DATA** (Aquatic Plants, Water Conditions, Pollution, Springs, Other Vertebrates, Other Recreational Use, Ownership, Paved or Open, Past Stocking, Other Names, Names and Accuracy of Maps, Sketch Map, Photograph, Other References.)

One spring (small) about 1/2 mi up from confluence with Redwood Creek. Most of the area was logged and burned - little or no damage to stream. Stream was almost a continuous log jam - appeared to be all natural. Considerable bedrock in some sections. Water temp. 52° - 59° (upper area to Confluence with Redwood Creek).
The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Tom McDonald  
Date: __________

Section: [blank]  
Water temperature: 60-61

Observer: Burge + Hair

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75 - [blank]
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present: Natural + from fire change

5. Barriers
   - None
   - Present; __________

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; __________

8. Fish
   - Species: Cutthroat Trout
   - Abundance
     - Rare
     - Moderate
     - High

9. Causes of damage
   - Logging
   - Dams
   - Roads
   - Logging
   - County or State
   - Other
   - Fire

Additional Notes:
- Creek continues log jam of large + small deadwood trees
- Area burned lightly removing streamside vegetation in some areas, north side appeared to be logged
- Native habitats here, a few oak, coast live oak, coast
- Other Fire
The Resources Agency of California
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Tom H. Donald
Section: 7/2 mile above confluence with 400 line
Observer: Bruce L. Hall

Date: 7-23-66
Water temperature: 72°F

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present Natural

5. Barriers
   - None
   - Present; ___ Number

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; ___ Number

8. Fish
   Species: __________________________
   Abundance
   - Rare
   - Moderate
   - High

9. Causes of damage
   - Logging
   - Dams
   - Roads
   - Logging
   - County or State
   - Other
   - Other Natural - barriers
     caused by old receded
     trees falling into stream
The Resources Agency of California
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: [Blank] Date: [Blank]
Section: To comply with [Blank]
Observer: Brown & Hill Water temperature: 57°

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present

5. Barriers
   - None
   - Present; _____ Number

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; _____ Number

8. Fish
   Species: Cutthroat and probably
   Abundance: Rare
   Moderate
   High
   Adult Eliminate

9. Causes of damage
   - Logging
   - Dams
   - Roads
   - Logging
   - County or State
   - Other
   - Other /Rare

The hillside above this section was logged close to creek. No damage done to creek.
State and non-aligned text are insufficient for selection.

Form 1: [Table]

Form 2: [Form]
<table>
<thead>
<tr>
<th>Field</th>
<th>Notes</th>
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<td><strong>NAME OF STREAM</strong></td>
<td>Redwood Creek</td>
</tr>
<tr>
<td><strong>DATE</strong></td>
<td>7/26/63</td>
</tr>
<tr>
<td><strong>EXTENT OBSERVED</strong></td>
<td>0.5 mi</td>
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<tr>
<td><strong>DISCHARGE AT GAGE</strong></td>
<td>4.1 cfs</td>
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<tr>
<td><strong>DOWNTURN</strong></td>
<td>0.50</td>
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<tr>
<td><strong>RELATION TO OTHER WATERS</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WATERSHED AND IMMEDIATE DRAINAGE BASIN</strong></td>
<td>Type: Stream; Terrain: Silt; Cultivation: Fallow</td>
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<tr>
<td><strong>WIDTH</strong></td>
<td>20 ft</td>
</tr>
<tr>
<td><strong>DEPTH</strong></td>
<td>10 ft</td>
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<tr>
<td><strong>FLOW</strong></td>
<td>15 cfs</td>
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<tr>
<td><strong>VELOCITY</strong></td>
<td>2.0 ft/sec</td>
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<tr>
<td><strong>BOTTOM</strong></td>
<td>Boulders, Gravel, Sand, Mud, Silt, Organic Debris</td>
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<tr>
<td><strong>SPAWNING AREAS</strong></td>
<td>Pools, Rapid Currents, Mud Flats</td>
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<tr>
<td><strong>POOLS POALES</strong></td>
<td>Yes, were very Barren</td>
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<tr>
<td><strong>SHELTER</strong></td>
<td>For the most part, totally lacking at low water</td>
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**NAME OF SURVEYOR**: Christian | **Page**: 724
<table>
<thead>
<tr>
<th>STATIONS</th>
<th>LOCATION OF STATION</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>BOTTOM</th>
<th>SPAWN AREA</th>
<th>FLOW</th>
<th>VELOCITY</th>
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<th>WATER TEMP.</th>
<th>AIR TEMP.</th>
<th>TIME AND DATE</th>
<th>WEATHER</th>
<th>ALTITUDE</th>
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</tbody>
</table>

**FISHING INTENSITY:**
- Light or None

**ACCESSIBILITY AND REMARKS ON ROUTE**
- Logjam Road Follows Creek About 1/2 Mile
- Trailunsigned

**ADDITIONAL DATA**
- Aquatic Plants, Water Conditions, Pollution, Springs, Other Vegetation, Other Recreational Use, Ownership, Paved or Gravel, Past Stocking, Other Names, Notes and Accuracy of Maps, Sketch Map, Photograph, Other References.
- Second section had been logged, but this did not affect the stream except for patches of silt in shallow water. Stream is not exposed with any cover downstream of cross-stream obstructions passed.
The Resources Agency of California
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Redwood Creek
Date: 7-26-66

Section: Bridge 14 miles upstream from Orick to 4 1/2 miles from Orick
Observer: Christine E. Hardy
Water temperature: 58°F / 0930

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present

5. Barriers
   - None
   - Present; ______ Number

6. Streamside canopy
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; ______ Number

8. Fish
   - Species: Duckers (Fry)
   - Abundance
     - Rare
     - Moderate
     - High

9. Causes of damage
   - Logging
   - Dams
   - Roads
     - Logging
     - County or State
     - Other
     - Other
**STREAM HABITAT SURVEY**

Stream: **Redwood Creek**

Section: **4 1/2 Ml from Ovick to Mouth of McDonnell Creek**

Observer: **Christensen, Harry**

Water temperature: **74°/133°**

<table>
<thead>
<tr>
<th>1. Percent at bottom covered with silt</th>
<th>6. Streamside canopy</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 0 - 25</td>
<td>□ Present</td>
</tr>
<tr>
<td>□ 26 - 50</td>
<td>□ None present originally</td>
</tr>
<tr>
<td>□ 51 - 75</td>
<td>□ Partially removed</td>
</tr>
<tr>
<td>□ 76 - 100</td>
<td>□ Removed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Shelter</th>
<th>7. Diversions</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Present</td>
<td>□ None</td>
</tr>
<tr>
<td>□ Partially removed</td>
<td>□ Present; _____ Number</td>
</tr>
<tr>
<td>□ Removed</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Pools</th>
<th>8. Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Present</td>
<td>Species: <strong>Ery. Suckers &amp; Silver Smelt</strong></td>
</tr>
<tr>
<td>□ Partially-eliminated - VERY SPARSE</td>
<td>Abundance</td>
</tr>
<tr>
<td>□ Eliminated</td>
<td>□ Rare</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Debris (slash, logs, tailings, etc.)</th>
<th>9. Causes of damage</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ None</td>
<td>□ Logging</td>
</tr>
<tr>
<td>□ Present</td>
<td>□ Dams</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Barriers</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>□ None</td>
<td>□ Logging</td>
<td></td>
</tr>
<tr>
<td>□ Present; _____ Number</td>
<td>□ County or State</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Light</th>
</tr>
</thead>
</table>

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The Resources Agency of California  
Department of Fish and Game  

STREAM HABITAT SURVEY  

Stream: Redwood C.  
Section: ORick to Bridge 1/4 mile W/S  
Observer: R. Haus  

Date: 7/26/66  

Water temperature:  

<table>
<thead>
<tr>
<th>1. Percent at bottom covered with silt</th>
<th>6. Streamside canopy</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 25</td>
<td>Present</td>
</tr>
<tr>
<td>26 - 50</td>
<td>None present originally</td>
</tr>
<tr>
<td>51 - 75</td>
<td>Partially removed</td>
</tr>
<tr>
<td>76 - 100</td>
<td>Removed</td>
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</tbody>
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<th>7. Diversions</th>
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</thead>
<tbody>
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<td>Present</td>
<td>None</td>
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<tr>
<td>Partially removed</td>
<td>Present; Number</td>
</tr>
<tr>
<td>Removed</td>
<td></td>
</tr>
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<th>8. Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Present</td>
<td>Species:</td>
</tr>
<tr>
<td>Partially eliminated</td>
<td>Abundance</td>
</tr>
<tr>
<td>Eliminated</td>
<td>Rare</td>
</tr>
<tr>
<td></td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>High</td>
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</table>

<table>
<thead>
<tr>
<th>4. Debris (slash, logs, tailings, etc.)</th>
<th>9. Causes of damage</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Logging</td>
</tr>
<tr>
<td>Present</td>
<td>Dams</td>
</tr>
<tr>
<td></td>
<td>Roads</td>
</tr>
<tr>
<td></td>
<td>Logging</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Barriers</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>County or State</td>
</tr>
<tr>
<td>Present; Number</td>
<td>Other</td>
</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>
NAME OF STREAM: Lost Man Creek

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT
Water mucky.

California Department of Fish and Game

STREAM SURVEY

NAME OF STREAM: Lost Man Creek in Humboldt
DATE: 7-20-61
EXTENT OBSER. Line above Prairie Creek Reservoir to Prairie Creek Hatchery.
TRIB. TO: Prairie Creek to Redwood Creek.

RELATED TO OTHER WATERS

WATERSHED AND IMMEDIATE DRAINAGE BASIN (Type: Terrin; Soil: Cultivation; Vegetation; Shade)

Second growth, second furrow, hillside and brush thick up sections. Little gravel beds along both banks.

WIDTH: 3 to 15 feet.

DEPTH: riffles, average about 12 feet; up to 5 or 6 feet.

FLOW: 3 c.f.s.

VELOCITY: sluggish to rapid.

BOTTOM: Rubble along most of section, rocks quite hostile, gravel in asper section.

SPawning Areas: A few small areas in the upper portion but generally poor for spawning.

POOLS: Frequent and deep, most pooled.

SHELTER: Alder covers much of stream.

NAME OF SURVEYOR: Mullin & Fjeldstad.
**NAME OF STREAM**  Last Man Creek

**BARRIERS AND DIVERSIONS**  Water supply dam for Peace Creek Hatchery acts both as a barrier and a diversion.

**FOOD**  Caddis fly larvae & mosquitoes

<table>
<thead>
<tr>
<th>STATIONS</th>
<th>STATION DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location of Station</td>
<td>No. 1</td>
</tr>
<tr>
<td>Width</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td></td>
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<tr>
<td>Bottom</td>
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<tr>
<td>Spawn. Area</td>
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<tr>
<td>Flow</td>
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<tr>
<td>Velocity</td>
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<tr>
<td>Stream Condition</td>
<td></td>
</tr>
<tr>
<td>Water Temp.</td>
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<tr>
<td>Air Temp.</td>
<td></td>
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<tr>
<td>Time and Date</td>
<td></td>
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<tr>
<td>Weather</td>
<td></td>
</tr>
<tr>
<td>Altitude</td>
<td></td>
</tr>
</tbody>
</table>

| FISH PRESENT: Species | | |
|----------------------|----|
| Size: | fingerlings |
| Abundance: | high |
| Success: | |
| Nat. Propagation: | |

**Other Remarks**  probably salmonid fingerlings, although some may have been 3-spined sticklebacks.

**FISHING INTENSITY:** Light

**ACCESSIBILITY AND REMARKS ON ROUTE**  (Road or Trail, Mileage and Time)

- Easily accessible from road
- Leasing road

**ADDITIONAL DATA**  (Aquatic Plants, Winter Conditions, Pollution, Springs, Other Vegetation, Other Recreational Use, Ownership, Posted or Open, Past Stocking, Other Names, Names and Accuracy of Maps, Sketch Map, Photograph, Other References.)

- Many tadpoles and some small frog eggs seen. Eggs may be frog eggs. Thick filaments, algae growing in most of slower water.
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Department of Fish and Game

STREAM HABITAT SURVEY

Stream: _LOST MAN CREEK_ Date: _7-26-66_
Section: _1 MILE ABOVE PRAIRIE CREEK HATCHERY TO PRAIRIE CREEK_
Observer: _MULLEN & FIELDS_ Water temperature: _66° - 66°_

1. Percent at bottom covered with silt
   - 0 - 25
   - 26 - 50
   - 51 - 75
   - 76 - 100

2. Shelter
   - Present
   - Partially removed
   - Removed

3. Pools
   - Present
   - Partially eliminated
   - Eliminated

4. Debris (slash, logs, tailings, etc.)
   - None
   - Present

5. Barriers
   - None
   - Present; _1_ Number
   - CONCRETE DAM 1/2 MILE ABOVE P.C. HATCHERY

6. Streamside canopy
   - Present
   - None present originally
   - Partially removed
   - Removed

7. Diversions
   - None
   - Present; _1_ Number
   - DIVERSION AT DAM (SEE 5)

8. Fish
   - TO P.C. HATCHERY
   Species: _7_
   - Abundance
     - Rare
     - Moderate
     - High

9. Causes of damage — NO W
   - Logging
   - Dams
   - Roads
     - Logging
     - County or State
     - Other
   - Other
**NAME OF STREAM**  
Lost Man Creek

**REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT**

Natural habitat and deep pools provide excellent habitat for resident trout. Some spawning gravel could be made accessible to anadromous fish by removal of barriers.

---

**WATERSHED AND IMMEDIATE DRAINAGE BASIN**

Type: Terraced Soil: Cultivated Vegetation: Shaded

- Virgin redwood forest
- Alder
- Creekbed: Moderate gradient
- Sides of canyon were steep

**WIDTH**  
From 2' to 8'

**DEPTH**  
From 2' to 6'

**FLOW**  
2 cfs

**VELOCITY**  
Rapid

**BOTTOM**

- Rubble, gravel, and cobbles

**SPAWNING AREAS**

- Good spawning areas for resident trout and anadromous fish

**POOLS**

- Frequent and very deep

**SHELTER**

- Good shelter from natural logs and debris

---

**NAME OF SURVEYOR**  
Warner, Webster
NAME OF STREAM: Lost Man Creek

BARRIERS AND DIVERSIONS:
One natural log barrier, between two closely spaced logging bridges about 1 1/2 miles from confluence.

FOOD:
Aquatic insects were plentiful and some fly larvae were identified.

FISH PRESENT:
Species: Trout (species unknown)
Size: 2 to 5"
Abundance: Moderate
Condition: Moderate
Net Propagation: Many fingerlings observed

STATIONS:

<table>
<thead>
<tr>
<th>Location of Station</th>
<th>Width</th>
<th>Depth</th>
<th>Bottom</th>
<th>Spawn Area</th>
<th>Flow</th>
<th>Velocity</th>
<th>TCMS</th>
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<tbody>
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</table>

FISHING INTENSITY: Light, No Angling observed.

ACCESSIBILITY AND REMARKS ON ROUTE:
Logging road parallel, creek road crosses creek three times. All are open.

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</table>

ADDITIONAL DATA:

- Small cut algal streambed altered to facilitate a loading zone about 1/4 mile upstream tributary with 1000 cfs. about 1/2 mile above confluence.
- We observed posted property - zone jogged. Small area of debris pushed into stream during road construction.

NAME OF STREAM: Lost Man Creek

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</tbody>
</table>
The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Lost Man Creek  
Date: 7-26-66

Section: From Emi tail to Emi upstream from confluence of Lost Creek to Emi Creek  
Observer: Warner  
Water temperature: 59 °F - 59 °F

<table>
<thead>
<tr>
<th>1. Percent at bottom covered with silt</th>
<th>6. Streamside canopy</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 0 - 25</td>
<td>□ Present</td>
</tr>
<tr>
<td>□ 26 - 50</td>
<td>□ None present originally</td>
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<tr>
<td>□ 51 - 75</td>
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<td>□ Present; Number</td>
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<tr>
<td>□ Present</td>
<td>Species: Trout (species unknown)</td>
</tr>
<tr>
<td>□ Partially eliminated</td>
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</tr>
<tr>
<td>□ Eliminated</td>
<td>Abundance</td>
</tr>
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<thead>
<tr>
<th>4. Debris (slash, logs, tailings, etc.)</th>
<th>9. Causes of damage</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ None</td>
<td>□ Logging</td>
</tr>
<tr>
<td>□ Present Small amount</td>
<td>□ Roads some trees pushed in creek, on area of bulldozed land</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Barriers</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>□ None</td>
<td>□ Logging</td>
</tr>
<tr>
<td>□ Present; Number</td>
<td>□ County or State</td>
</tr>
<tr>
<td>natural log barrier</td>
<td>□ Other</td>
</tr>
</tbody>
</table>

Score: 1416  
Fish: 1500  
Angler: 0  
Light