

The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Lake Lewis Pass T5M, R4E, S20 Date: 7-28/66  
Section: mouth to 1/4 mile upstream (TRIB TO REDWOOD CR)  
Observer: T. Healey 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 or Steelhead

Abundance

- Rare  
 Moderate  
 High

9. Causes of damage

- Logging  
 Dams  
 Roads  
 Logging  
 County or State  
 Other  
 Other

Undamaged

The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Redwood Cr. Date: 7/26/62

Section: ORick to Bridge 1 1/2 miles, w/s

Observer: R. House 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: \_\_\_\_\_

Abundance

- Rare  
 Moderate  
 High

9. Causes of damage

- Logging  
 Dams  
 Roads  
 Logging  
 County or State  
 Other  
 Other

Severe

Heavy Gravel

NAME OF STREAM REDWOOD CREEK

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

THE 2<sup>ND</sup> SECTION HAD BEEN  
LOGGED BUT WAS NOT AFFECTING  
THE STREAM AT THIS TIME —  
(GALL RAIN'S WOULD CAUSE SLUSH  
ON THE NW SIDE SLASH TO END  
UP IN THE CREEK)

1<sup>ST</sup> TRIBUTARY — M<sup>RS</sup> APPLE CREEK;  
1 CFS, 55°

2<sup>ND</sup> " " " — 10 GAL/MIN — 2 FT COVER  
54°

3<sup>RD</sup> " " " — 1 CFS — LOG BRIDGE  
20 YDS FROM RIVER, 1 MI  
PROBABLY 20 EMERALD  
FISH — 69°

4<sup>TH</sup> " " " — 3/4 CREEK — 1 CFS —  
52° — IMPASSIBLE TO  
EMERALD FISH

NAME OF SURVEYOR

Christerson & Nash

Field Form

THE RESOURCES AGENCY OF CALIFORNIA

Department of Fish and Game

## STREAM SURVEY

NAME OF STREAM REDWOOD CREEK CO. HUMBoldtDATE 7-26-66 EXTENT OBSER 1/2 MI ABOVEORIG — 4<sup>TH</sup> MI ABOVE BRIDGE TOTRIBE ORIGIN TO MOUTH OF N. PACIFICTRIB. TO PACIFIC OCEAN

RELATION TO OTHER WATERS.

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

1<sup>ST</sup> TRIBUTARY — 1<sup>ST</sup> TRIBUTARYBUT WAS LOGGED WITHVEGETATION & SHADE ALONG

WIDTH ABOVE EXISTENT

WIDTH — 15 FT.DEPTH 0.75 FT.FLOW 18.0 CFSVELOCITY 2.0 F/SEC.

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

SAND — 80%; GRAVEL — 10%; MUD — 5%SILT — 5%SPAWNING AREAS AT HIGH WATER, 75% OFCREEK BED CAN BE USED ASSPAWNING BEDSPOOLS POOLS WERE VERY SCARSESHELTER FOR THE MOST PART, TOTALYLACKING AT LOW WATER

XERO COPY

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NAME OF STREAM REDWOOD CREEK

BARRIERS AND DIVERSIONS NONE

FOOD INSECT LIFE (BEETLES, NO. AQUATIC  
INSECTICIDES), MAJELY LARVAE ABUNDANT  
TWO COPIES FILED

NAME OF STREAM REDWOOD CREEK

FISH PRESENT: Species SILVER-SIDED SALMON

Size 1-3 IN.

Abundance MODERATE

Success GOOD

Condition GOOD

Nat. Propagation YES

Other Remarks NO SILVER SALMON IN 1ST SECTION

STATION DATA

STATIONS	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

FISHING INTENSITY: LIGHT TO MODERATE

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

LOGGERS ROAD FULLY OPENED BY  
THIS WAY

STATIONS	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

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.)

SECOND SECTION HAD BEEN GROSSED BY  
THIS DID NOT AFFECT THE STREAM  
EXCEPT FOR TRENCH ON SOUTH SECTION  
AT LOW WATER, STREAM IS EXPOSED  
EXPANSION WITH AN OPEN END (TYPICAL)  
FISHES & AMPHIBIANS GREATLY REDUCED

ORIGIN TO TOM WILSON'S C...

FROM DIS. COPIES FILED

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Department of Fish and Game

STREAM HABITAT SURVEY

Stream: REDWOOD CREEK Date: 7-26-66

Section: BRIDGE 1 1/2 MILES UPSTREAM FROM ORICK TO 4 1/2 MI FROM ORICK

Observer: CHRISTENSEN, HARDY Water temperature: 58.5° / 0930

1. Percent at bottom covered with silt

- 0 - 25  
 26 - 50  
 51 - 75  
 76 - 100

6. Streamside canopy

- Present  
 None present originally  
 Partially removed  
 Removed

2. Shelter

- Present  
 Partially removed  
 Removed

7. Diversions

- None  
 Present; \_\_\_\_\_ Number

3. Pools

- Present  
 Partially eliminated  
 Eliminated

8. Fish  
Species: SUCKERS (FRY)

Abundance

- Rare  
 Moderate  
 High

4. Debris (slash, logs, tailings, etc.)

- None  
 Present

9. Causes of damage

- Logging  
 Dams  
 Roads  
 Logging  
 County or State  
 Other  
 Other

5. Barriers

- None  
 Present; \_\_\_\_\_ Number

Severe

Heavy gravel

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STREAM HABITAT SURVEY

Stream: REDWOOD CREEK Date: 7-26-66  
Section: 4 1/2 MI FROM DRILL TO MOUTH OF McDONNELL CREEK  
Observer: CHRISTENSEN, HARVEY Water temperature: 74° / 1330

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present
- None present originally
- Partially removed
- Removed

2. Shelter

- Present
- Partially removed
- Removed *NONE THERE IN 1<sup>st</sup> PLACE*

7. Diversions

- None
- Present; \_\_\_\_\_ Number

3. Pools

- Present
- ~~Partially eliminated~~  
*VERY SPARSE*
- Eliminated

8. Fish

Species: FRY: SUCKERS & SILVER SHAD

Abundance

- Rare
- Moderate
- High

4. Debris (slash, logs, tailings, etc.)

- None
- Present

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

5. Barriers

- None
- Present; \_\_\_\_\_ Number

Light

Heavy channel

TOM MACDONALD CRZ TO PANTHER CR.

AGRO  
ONIX

AGRO  
ONIX

AGRO  
ONIX

AGRO  
ONIX

NAME OF STREAM Reginald Creek

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

- (1) OPEN + FLAT
- (2) MANY BOULDERS, CASCADING WATER
- (3) SIMILAR TO (1), BUT FEW BOULDERS + Pools; THE AREA HAS BEEN LOGGED (AND IS BEING LOGGED), BUT THE OPERATIONS HAVE NOT AFFECTED THE STREAM AT ALL WATER

NAME OF SURVEYOR

- 4 -

8064 12-66 1M (1) BPO

(2)

CHRISTOPHER HAIR - 7-27-66

California Department of Fish and Game

Field Form

STREAM SURVEY

NAME OF STREAM Reginald Creek CO. Alameda

DATE 7-27-66 EXTENT OBSER. MOUTH OF MCDONALD CR TO 3 MI UPSTREAM - (2) 1/2 MI FURTHER UP STREAM - (3) MOUTH OF PANTHER CR.

TRIB. TO PACIFIC OCEAN

RELATION TO OTHER WATERS

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

LOOSE SOIL, 20% OF AREA IS FOREST + WOODLAND, PRACTICALLY NO SHADE AT ALL FOR STREAM

WIDTH 30 FT

DEPTH 0.5 FT

FLOW 24 CFS

VELOCITY 2 FT / SEC

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

(1) 90% SAND, 10% GRAVEL (2) 50% SAND, 40% GRAVEL, 10% RUBBLE (3) 10% RUBBLE, 90% SAND

SPAWNING AREAS 30% GRAVEL, 10% SAND

30 OF BED NOW UNDER WATER

POOLS (1) GOOD POOL (2) POOR POOL (3) POOR POOL

SHELTER MINOR BOULDERS (2), OTHER TWO SEGMENTS ARE OPEN

FG 734

- 1 -

NAME OF STREAM REDWOOD CREEK  
 BARRIERS AND DIVERSIONS NONE

FOOD INSECT LIFE SANDS, ALGAE  
PLANTS LACKING

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			
STATIONS	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

NAME OF STREAM REDWOOD CREEK  
 FISH PRESENT: Species STEELHEAD

Size 7"  
 Abundance MODERATE  
 Success GOOD  
 Condition GOOD  
 Nat. Propagation YES

Other Remarks \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

FISHING INTENSITY: LIGHT BAIT ONLY  
 \_\_\_\_\_  
 \_\_\_\_\_

ACCESSIBILITY AND REMARKS ON ROUTE (Road or Trail, Mileage and Time)  
ROAD BUILT FROM HIGHWAY 101  
TO THE CREEK  
TRAIL TO THE WAY

ADDITIONAL DATA (Aquatic Plants, Winter Conditions, Pollution, Springs, Other Vertebrates, Other Recreational Use, Ownership, Posted or Open, Past Stocking, Other Names, Name and Accuracy of Maps, Sketch Map, Photograph, Other References.)  
WATERWAY OWNED BY REDWOOD CREEK  
PLANTED BANKS - BIRCH, ALDER, SALIX  
DOMESTIC SHEEP



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STREAM HABITAT SURVEY

Stream: RENNWOOD CREEK Date: 7-27-66

Section: MOUTH OF McDONNELL RD TO 3 MILES UPSTREAM

Observer: CHRISTENSEN & FLOR Water temperature: 64° - 2950

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present
- None present originally
- Partially removed
- Removed

2. Shelter

- Present
- Partially removed
- Removed NONE

7. Diversions

- None
- Present; \_\_\_\_\_ Number

3. Pools

- Present
- ~~Partially eliminated~~ NONE AS LOW WATER
- Eliminated

8. Fish

Species: ? (FRY)

Abundance

- Rare
- Moderate
- High

4. Debris (slash, logs, tailings, etc.)

- None
- Present

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

5. Barriers

- None
- Present; \_\_\_\_\_ Number

light

Heavy brush

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STREAM HABITAT SURVEY

Stream: REDWOOD CREEK Date: 7-27-66

Section: 3 MI FROM Mc DUNNELL CREEK MOUTH TO 1/2 MI UPSTREAM

Observer: CHRISTENSEN Water temperature: \_\_\_\_\_

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present
- None present originally
- Partially removed
- Removed

2. Shelter

- Present
- Partially removed
- Removed

7. Diversions

- None
- Present; \_\_\_\_\_ Number

3. Pools

- Present
- Partially eliminated
- Eliminated

Species: STEELHEAD - 7" d. LARVAE  
(# FRY) ADULTS

- Abundance
- Rare
  - Moderate
  - High

4. Debris (slash, logs, tailings, etc.)

- None
- Present

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

5. Barriers

- None
- Present; \_\_\_\_\_ Number

Undamaged

Heavy Gravel

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STREAM HABITAT SURVEY

Stream: REDWOOD CREEK Date: 7-27-66  
Section: 4 1/2 MI FROM <sup>MOUTH OF</sup> DONNELLY CR TO MOUTH OF PANTHER  
Observer: CHRISTENSEN, HAIR Water temperature: 78° 1530

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present
- None present originally
- Partially removed
- Removed

2. Shelter

- Present
- ~~Partially removed~~  
INTERMITTENT
- Removed

7. Diversions

- None
- Present; \_\_\_\_\_ Number

3. Pools

- Present
- ~~Partially eliminated~~  
INTERMITTENT
- Eliminated

Species: STEELHEAD - 7" & RY

Abundance

- Rare
- Moderate
- High

4. Debris (slash, logs, tailings, etc.)

- None
- Present

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

5. Barriers

- None
- Present; \_\_\_\_\_ Number

*mic. ...*

*Light*

*Heavy Gravel*

PANTHER CREEK TO CAMP ANDERSON

XERO COPY

XERO COPY

XERO COPY

XERO COPY

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.

NAME OF SURVEYOR Ejelstad & Muller

- 4 -

88284 12-88 1M © SPO

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California Department of Fish and Game

Field Form

**STREAM SURVEY**

NAME OF STREAM Redwood Cr. Co. Humboldt

DATE 7-27-66 EXTENT OBSER. Camp Anderson downstream about 11 miles to the confluence with Panther Cr.

TRIB. TO \_\_\_\_\_

RELATION TO OTHER WATERS \_\_\_\_\_

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

Mixed conifer forest & brush -- Moderate steep canyon -- Wide gravel beds along banks of stream

WIDTH Averages 15 to 20 feet

DEPTH Average 6-8 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.

FG 734

- 1 -

NAME OF STREAM Redwood Creek

BARRIERS AND DIVERSIONS None

FOOD Moderately abundant

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			
STATIONS	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

NAME OF STREAM Redwood Creek

FISH PRESENT: Species Steelhead Trout

Size Fingerlings

Abundance Moderately High

Success \_\_\_\_\_

Condition \_\_\_\_\_

Nat. Propagation \_\_\_\_\_

Other Remarks \_\_\_\_\_

FISHING INTENSITY: Light

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

County road and logging roads parallel most of stream.

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.)

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STREAM HABITAT SURVEY

Stream: REDWOOD CREEK Date: 7-27-66

Section: ANDERSON CAMPGROUND TO PAINTER CREEK *11.0 miles*

Observer: MULLEN & FJELSTAD Water temperature: 66° → 78°

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present
- None present originally
- Partially removed
- Removed

2. Shelter

- Present
- Partially removed
- Removed

7. Diversions

- None
- Present; \_\_\_\_\_ Number

3. Pools

- Present
- Partially eliminated
- Eliminated -  
*(PROBABLY NONE ORIGINALLY)*  
*WASHED OUT BY FLOOD WATERS*

8. Fish

Species: STEELHEAD

Abundance

- Rare
- Moderate - *AS FINGERLINGS TO 4" ONLY*
- High

4. Debris (slash, logs, tailings, etc.)

- None
- Present

9. Causes of damage

- Flood
- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

5. Barriers

- None
- Present; \_\_\_\_\_ Number

*Light*

*Streams Drained*

NAME OF STREAM Redwood Creek

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

Excellent spawning area for  
Steelhead & salmon

Poor as a resident trout fisheries  
on account of poor shelter, & lack  
of pools

NAME OF SURVEYOR

R. H. Webster, Phil Hansen

— 4 —

9264 12-55 1M © SPO

from Kmar Prairie?

California Department of Fish and Game

Field Form

STREAM SURVEY

NAME OF STREAM Redwood Creek Co. Humboldt

DATE 6-27-66 EXTENT OBSER. From confluence  
with Windy Creek to one mile below  
Redwood Valley road

TRIB. TO None

RELATION TO OTHER WATERS

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

Stream surrounded by unused streambed. On  
edge of streambed are no usables but mostly  
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, Rubble, Gravel, Sand, Mud, Silt, Organic Debris)

Some rubble -- mostly gravel & sand;  
NO silt or organic debris

SPAWNING AREAS Excellent for anadromous  
fish spawning. Poor for resident  
Trout.

POOLS Some pools, but were very  
sparse in number

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

FG 734

— 1 —

CAMP ANDERSON TO WINDY CR.

NAME OF STREAM \_\_\_\_\_

BARRIERS AND DIVERSIONS No barriers,  
2 small pumps for domestic  
use.

FOOD Aquatic insects were  
scarce especially in the  
downstream areas

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station	_____	_____	_____
Width	_____	_____	_____
Depth	_____	_____	_____
Bottom	_____	_____	_____
Spawn. Area	_____	_____	_____
Flow	_____	_____	_____
Velocity	TCRS	TCRS	TCRS

Stream Condition	_____	_____	_____
Water Temp.	_____	_____	_____
Air Temp.	_____	_____	_____
Time and Date	_____	_____	_____
Weather	_____	_____	_____
Altitude	_____	_____	_____

STATIONS	No. 4	No. 5	No. 6
	Location of Station	_____	_____
Width	_____	_____	_____
Depth	_____	_____	_____
Bottom	_____	_____	_____
Spawn. Area	_____	_____	_____
Flow	_____	_____	_____
Velocity	TCRS	TCRS	TCRS

Stream Condition	_____	_____	_____
Water Temp.	_____	_____	_____
Air Temp.	_____	_____	_____
Time and Date	_____	_____	_____
Weather	_____	_____	_____
Altitude	_____	_____	_____

NAME OF STREAM Redwood Creek

FISH PRESENT: Species steelhead fingerlings

Size 40 + fingerling size.

Abundance rare

Success \_\_\_\_\_

Condition excellent

Nat. Propagation present

Other Remarks Spawning runs about 12" in  
diameter in the stream

Stickleback was seen in warmer  
waters of the stream

Temperature by Redwood Valley road was  
79° at 1400

FISHING INTENSITY: Light - No fish were  
observed

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

1st two miles were paralleled by logging  
roads, last one mile was paralleled  
by Redwood valley road, Twin highway  
and one county bridge crossed this  
section

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.)

Most land was fenced, but not  
posted

- Aquatic plants were at a minimum

- One spring of 3" dia coming off hill

3/4 mile upstream of 299 bridge.

Stream dammed off by gravel to form a small

recreational lake 1/4 mile below 299 bridge.

- Many deer & cottontail tracks, quail and

evidence of a beaver were observed.

- stream bed alteration 1/2 mile from 299 bridge + 1/2

below old county bridge.

- Paint lines 299 bridge observed in a tunnel

paint which had washed 1/2 mile downstream



The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Redwood Creek Date: 6-27-66

Section: From confluence of Windy Creek & Redwood Creek to 1 mile  
downstream of redwood valley road (Anderson Camp)

Observer: Warner & Webster Water temperature: 64°

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present on outer edges of creek bed
- None present originally
- Partially removed
- Removed

2. Shelter

- Present
- Partially removed
- Removed

7. Diversions

- None
- Present; 2 small pumps 2 Number 2 P.P.

3. Pools

- Present a few shallow pools
- Partially eliminated
- Eliminated

Species: Rainbow trout, probably  
Steelhead

Abundance

- Rare
- Moderate
- High

4. Debris (slash, logs, tailings, etc.)

- None
- Present small amount from flood and old logging operations

5. Barriers

- None
- Present; \_\_\_\_\_ Number

9. Causes of damage

- Logging a small amount of silt and debris from old logging operations, No important damage
- Dams
- Roads
- Logging
- County or State
- Other
- Other

Start 0950

Finish 1350

Flaggers: 0

Light

Heavy Hand

NAME OF STREAM Redwood Creek

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

Stream would seem to provide good spawning with higher water

The last half of our section had been blocked off close to the stream in the rock - did not affect stream

XERO COPY

XERO COPY

NAME OF SURVEYOR J.R. Hair; Jerry Christensen

XERO COPY

CHRISTENSEN & HAIR - 7-28-66 ⑤

Field #

California Department of Fish and Game

STREAM SURVEY

NAME OF STREAM Redwood Creek Co. Humboldt

DATE 7/28/66 EXTENT OBSER. Windy creek

upstream to Ayres' Cabin

- DISTANCE OF 5 MILES

TRIB. TO \_\_\_\_\_

RELATION TO OTHER WATERS → Pacific Ocean

WATERSHED AND IMMED. DRAINAGE BASIN (Type: Terrain; Soil; Cultivation; Station; Shade)

Coniferous forest. No shade or creek - rocky flood plain

WIDTH 10'

DEPTH 1 ft

FLOW 10 c.f.s.

VELOCITY 1 ft/sec

BOTTOM (Bedrock, Boulder, 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

WINDY CR TO AYRES CABIN

NAME OF STREAM Redwood Creek  
 BARRIERS AND DIVERSIONS none 2 low dams  
227 foot dam with log - 100 ft  
175 foot dam with log - 100 ft  
 FOOD large numbers of tadpoles, some flying insects, mass on bottom of pools - possibly larva.

NAME OF STREAM Redwood Creek  
 FISH PRESENT: Species Steelhead  
 Size 1" - 6"  
 Abundance moderate  
 Success \_\_\_\_\_  
 Condition good  
 Nat. Propagation fair  
 Other Remarks \_\_\_\_\_

		STATION DATA		
STATIONS		No. 1	No. 2	No. 3
OX GR 22 10	Location of Station			
	Width			
	Depth			
	Bottom			
	Spawn. Area			
	Flow			
	Velocity	T C R S	T C R S	T C R S
	Stream Condition			
	Water Temp.			
	Air Temp.			
Time and Date				
Weather				
Altitude				
STATIONS		No. 4	No. 5	No. 6
OX GR 22 10	Location of Station			
	Width			
	Depth			
	Bottom			
	Spawn. Area			
	Flow			
	Velocity	T C R S	T C R S	T C R S
	Stream Condition			
	Water Temp.			
	Air Temp.			
Time and Date				
Weather				
Altitude				

FISHING INTENSITY: no fishermen observed

ACCESSIBILITY AND REMARKS ON ROUTE (Road or Trail, Mileage and Time)  
no access roads seen. Bridge & road about 1/2 way up was washed out.

ADDITIONAL DATA (Aquatic Plants, Winter Conditions, Pollution, Springs, Other Venues, Other Recreational Use, Ownership, Posted or Open, Past Stocking, Other Names, Names, 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: 65° - 76°  
(from Windy Cr → Ayres Cabin)  
Water was clear.  
Saw one eagle - species?  
DOE + 3 FRANKS

The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Redwood Creek Date: 7-27-66

Section: From Island Creek to Pines' Canal

Observer: Constance H. H. H. Water temperature: 10:15 - 55°; 14:00 - 70°

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present
- None present originally  
*→ OVER LITTLE (100%) (partly)*
- Partially removed
- Removed

2. Shelter

- Present *VERY LITTLE*
- Partially removed
- Removed

7. Diversions

- None
- Present; \_\_\_\_\_ Number

3. Pools

- Present *VERY FEW WITH LITTLE COVER*
- Partially eliminated
- Eliminated

Species: SCUMMER 2 1" - 5"

Abundance

- Rare
- Moderate
- High

4. Debris (slash, logs, tailings, etc.)

- None
- Present

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

5. Barriers

- None
- Present; 2 Number

*Log jams - DO NOT  
SAY MIGRATORY FISH,  
JAMS ARE FROM NATURALLY  
FALLEN LOGS*

*Light*

*Heavy Gravel*

XERO COPY

XERO COPY

XERO COPY

XERO COPY

NAME OF STREAM \_\_\_\_\_

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

Although numerous slides have occurred in the area the stream is in pretty good condition. Logging has taken place and may have contributed to this problem.

California Department of Fish and Game

Field Form

## STREAM SURVEY

NAME OF STREAM Redwood CR CO. HumboldtDATE 7-28-66 EXTENT OBSER. Ayles Cabin to Lake Prairie CreekTRIB. TO Pacific Ocean

RELATION TO OTHER WATERS \_\_\_\_\_

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

Situated in a steep sided canyon with a very broad flat flood plain numerous slides observed.

WIDTH 6-12 feetDEPTH 4" to 4 feetFLOW 4 cfs to 6 cfsVELOCITY moderate to swift.

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

Rubble + gravelSPAWNING AREAS excellent and numerousPOOLS not many in relation to vast stretch of shallow slow moving waterSHELTER Very little.

NAME OF SURVEYOR \_\_\_\_\_

AYLES CABIN TO LAKE PRAIRIE CR.

NAME OF STREAM \_\_\_\_\_

BARRIERS AND DIVERSIONS *None seen*FOOD *domestically looking in aquatic insects*

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station	_____	_____	_____
Width	_____	_____	_____
Depth	_____	_____	_____
Bottom	_____	_____	_____
Spawn. Area	_____	_____	_____
Flow	_____	_____	_____
Velocity	T C R S	T C R S	T C R S
Stream Condition	_____	_____	_____
Water Temp.	_____	_____	_____
Air Temp.	_____	_____	_____
Time and Date	_____	_____	_____
Weather	_____	_____	_____
Altitude	_____	_____	_____
STATIONS	No. 4	No. 5	No. 6
	Location of Station	_____	_____
Width	_____	_____	_____
Depth	_____	_____	_____
Bottom	_____	_____	_____
Spawn. Area	_____	_____	_____
Flow	_____	_____	_____
Velocity	T C R S	T C R S	T C R S
Stream Condition	_____	_____	_____
Water Temp.	_____	_____	_____
Air Temp.	_____	_____	_____
Time and Date	_____	_____	_____
Weather	_____	_____	_____
Altitude	_____	_____	_____

NAME OF STREAM \_\_\_\_\_

FISH PRESENT: Species *Rainbow trout fingerling*Size *fingerling*Abundance *adequate to harvest*

Success \_\_\_\_\_

Condition \_\_\_\_\_

Nat. Propagation *Yes*

Other Remarks \_\_\_\_\_

FISHING INTENSITY: *light*

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

*Accessible by logging road at upper end of Baldy Rd. or from private road at upper end also starting from Baldy Rd.*

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.)

*High flood flows are typical of this stream which account for the very broad flood plain*

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Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Redwood Creek Date: 7-28/66

Section: Ayres cabin to Lake Prairie Creek

Observer: T. Healey & R. Miller Water temperature: 75°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

Species: Rainbow trout fingerlings

Abundance

- Rare  
 Moderate  
 High

9. Causes of damage

- Logging  
 Dams  
 Roads  
 Logging  
 County or State  
 Other  
 Other

light

Heavy travel

NAME OF STREAM Lacks Creek  
 REMARKS—GENERAL ESTIMATE—  
 RECOMMENDED MANAGEMENT

STATE OF CALIFORNIA  
 DEPARTMENT OF FISH AND GAME  
 STREAM SURVEY

In spite of siltation from poor logging,  
the stream seems to be very fertile  
with finger-ling. The stream is an excellent  
salmon + steelhead spawning stream but  
it could be improved by removal or  
deversion (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 + debris should be  
removed from the logged area in order to  
prevent landslides in the lower stream  
during high water periods.

(Copied by LaFaurie 6-26-75 from a poor  
Xerox copy)

NAME OF SURVEYOR /s/ Webster

NAME OF STREAM Lacks Creek CO. Humboldt  
 DATE 7-28-66 EXTENT OBSER. About 2 1/2 miles  
upstream (or about 1/4 mile 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 some conifers with mostly broad leaf trees  
 WIDTH 1 ft - 15 ft

DEPTH 2" - 5 ft

FLOW 1 - 1 1/2 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 hits a boulder at its base. 1 pool lower, a 7 ft falls - 1 mile from start in a cascading section, a 5 ft falls which doesn't bar all salmonids, 1 pool lower, an 8 ft falls.  
 FOOD Limited amount of insect food. May fly + caddis fly observed. Snails abundant.

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			
STATIONS	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

NAME OF STREAM Lacks Creek  
 FISH PRESENT: Species Rainbow  
 Size 1" - 9"  
 Abundance \_\_\_\_\_  
 Success good  
 Condition excellent  
 Nat. Propagation excellent

Other Remarks Natural propagation excellent up to first falls. Natural propagation moderate between falls. More larger fish 6"-8" seen than fingerlings. Above both falls no fry or fingerlings observed, but several trout 7"-8" were seen.

FISHING INTENSITY: light intensity  
No anglers observed.

ACCESSIBILITY AND REMARKS ON ROUTE (Road or Trail, Mileage and Time)  
Most of area is private land with several gates + 1 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 [P] which deposited much silt in entire course of stream. Canopy taken away in several areas. During winter rains, slash + logs are 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.

Other vertebrates: Many frogs + tadpoles; kingfisher, 2 pt buck, 2 water snakes

The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Lacks Creek Date: 7-28-66  
Section: End of logging road (approx 1/2 mi upstream) TO end of logged area  
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 (logs + slash pushed into stream bed - (little in present water level))

5. Barriers

- None
- Present; 2 Number Falls 6' + 8' (natural)

6. Streamside canopy

- Present
- None present originally
- Partially removed
- Removed

7. Diversions

- None
- Present; \_\_\_\_\_ Number

8. Fish

Species: Rainbow

Abundance

- Rare
- Moderate
- High

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

START: 1145  
Finish: 1240  
ANGLERS: 0

Light

*Walker*

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Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Lacks creek Date: 7-28-66

Section: End of logged area to end of cascade + Falls area

Observer: Webster Water temperature: 74° - 73°

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present
- None present originally
- Partially removed
- Removed

2. Shelter

- Present
- Partially removed
- Removed

7. Diversions

- None
- Present; \_\_\_\_\_ Number

3. Pools

- Present
- Partially eliminated
- Eliminated

8. Fish

Species: Rainbow

Abundance

- Rare
- Moderate
- High

4. Debris (slash, logs, tailings, etc.)

- None
- Present mostly natural  
From Flood damage

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

5. Barriers

- None
- Present; 2 falls \_\_\_\_\_ Number  
5 ft + 8 ft

Start: 1245

Finish: 1305

Anglers: 0

*Light*

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Department of Fish and Game

STREAM HABITAT SURVEY

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

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 *Some logs + debris from flood damage*  
 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

Abundance

- Rare  
 Moderate  
 High

9. Causes of damage

- Logging *stream altered to rechannel stream through side, caused by upstream logging*  
 Dams  
 Roads  
 Logging  
 County or State  
 Other  
 Other

start: 1310  
Finish: 1345  
Anglers: 0

NAME OF STREAM Tom McDonald Creek

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

Log jams would be difficult to remove - burning would be the only possibility. Very large redwood logs & full trees in the streambed.

Moderate to heavy siltation & sand in the stream.

NAME OF SURVEYOR J. R. Hair; Dick Purge

THE RESOURCES AGENCY OF CALIFORNIA

Department of Fish and Game

STREAM SURVEY

Field Form

NAME OF STREAM Tom McDonald Creek Co. Humboldt  
DATE 7/26/66 EXTENT OBSER. 1/8 mile above  
confluence of McDonald Cr. forks to  
" with Redwood Creek

TRIB. TO Redwood Creek  
RELATION TO OTHER WATERS Redwood Creek →  
Pacific Ocean

WATERSHED AND IMMED. DRAINAGE BASIN (Type: Terrain: Soil; Cultivation; Vegetation; Shade)  
Redwood forest, logged, burned  
& virgin. Shady.

WIDTH 3 - 6 feet

DEPTH 6" - 6 feet

FLOW 3 c.f.s.

VELOCITY 1 ft./sec

BOTTOM (Bedrock, Boulder, Rubble, Gravel, Sand, Mud, Silt, Organic Debris) 42% /  
sand; 25% Rubble & gravel; 10%  
Boulders; 15% Bedrock; 10% organic debris  
SPAWNING AREAS Mostly sanded & 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 STREAM Tom McDonald Creek  
 BARRIERS AND DIVERSIONS No diversions  
Four upstream barriers (log) -  
natural.

FOOD Caddis fly larva in stream,  
flying insects, some aquatic  
vegetation (alga).

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			
STATIONS	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

NAME OF STREAM Tom McDonald Creek  
 FISH PRESENT: Species Cutthroat trout, possibly Steelhead  
 Size 1" - 6"  
 Abundance many fry; some larger  
~~Success~~  
 Condition appeared good  
 Nat. Propagation fairly good  
 Other Remarks Number of fry much  
higher nearer Redwood Creek.

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

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

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.)

One spring (small) about 1/2 mi  
up from confluence with Redwood  
Creek. Most of the area was  
logged & 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 -> confluence with Redwood Cr.)

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Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Tom McDonald Date: \_\_\_\_\_

Section: 1/2 mile above bridge - 1/2 mile downstream

Observer: Burge + Hair Water temperature: 50 - 51°

1. Percent at bottom covered with silt + sand
- 0 - 25
  - 26 - 50
  - 51 - 75 *fine crushed slate*
  - 76 - 100

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

2. Shelter
- Present
  - Partially removed
  - Removed

7. Diversions
- None
  - Present; \_\_\_\_\_ Number

3. Pools
- Present
  - Partially eliminated
  - Eliminated

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

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

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

5. Barriers
- None
  - Present; 2 Number

*Moderate*

*Area burned lightly removing stream side vegetation in some areas. North side appeared to be logged. Lightly better fire. a few old burnt stumps*

*over*

(2)

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Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Tom 14 Donald Date: 7-23-66  
Section: To 1/2 mile above confluence with 400 cre  
Observer: Borg & Cliff Water temperature: 57-59°

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

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

2. Shelter
- Present
  - Partially removed
  - Removed

7. Diversions
- None
  - Present; \_\_\_\_\_ Number

3. Pools
- Present
  - Partially eliminated
  - Eliminated

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

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

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

5. Barriers
- None
  - Present; 2 Number

Other *Natural - barriers caused by old Redwood trees falling into stream.*

*Sand = silt - from crushed slate very abundant.  
No logging damage!  
Moderate*



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Department of Fish and Game

STREAM HABITAT SURVEY

Stream: Town Hill Creek Date: 7-27-66  
Section: To confluence with Little Bear Cr.  
Observer: Byrne & 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 & probably

Abundance: Small Fry

- Rare
- Moderate
- High (Fry) adult = Moderate

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other None

The hillside above this section was logged close to creek. No damage done to creek.

Moderate



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 headwaters have not been logged yet.

(Copied 7-17-75 by D.A. LaFauce from poor copy of Healey's original notes)

NAME OF SURVEYOR TS/ T. Healey

Field Form

STATE OF CALIFORNIA  
DEPARTMENT OF FISH AND GAME  
STREAM SURVEY

NAME OF STREAM Panther Creek CO. Humb.

DATE 7-27-66 EXTENT OBSER. Month to about 1 1/4 miles upstream

TRIB. TO Redwood Creek

RELATION TO OTHER WATERS

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 3 feet

FLOW estimated at 0.8 cfs

VELOCITY moderate to swift

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

Gravel and boulders

SPAWNING AREAS Numerous particularly for steelhead and of excellent quality

POOLS Many small pools

SHELTER Abundant consisting of fallen logs and boulders

NAME OF STREAM Panther Creek  
 BARRIERS AND DIVERSIONS 6 log jams  
not complete barriers present in  
lower 1.0 miles of stream resulting  
from logging on north slope of canyon  
 FOOD Aquatic insects abundant.

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			
STATIONS	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

NAME OF STREAM \_\_\_\_\_  
 FISH PRESENT: Species Rainbow trout observed  
 Size fingerlings  
 Abundance very abundant.  
 Success \_\_\_\_\_  
 Condition \_\_\_\_\_  
 Nat. Propagation Yes  
 Other Remarks The observed rainbow fingerlings  
are probably steelhead progeny

FISHING INTENSITY: light

ACCESSIBILITY AND REMARKS ON ROUTE (Road or Trail, Mileage and Time)  
Accessible by Simpson Timber  
Company Korbél to Klamath Road

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.)

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: T. Healey Water temperature: 61°r 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

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

Logging

County or State

Other

Other

10. EXTENT of Damage

Extensive

Moderate

Slight

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). Evidences 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 by about 75% but no fingerlings were observed.

Recopied from poor xerox copy by  
Trisha Edgerton

NAME OF SURVEYOR /s/ Fjelstad

STATE OF CALIFORNIA  
DEPARTMENT OF FISH AND GAME

Field Form

STREAM SURVEY

NAME OF STREAM Minor Creek Co. Humboldt  
DATE 7/28/66 EXTENT OBSER. 1.5 miles above  
confluence with Redwood Creek to Redwood  
Creek

TRIB. TO Redwood Creek  
RELATION TO OTHER WATERS

WATERSHED AND IMMEDIATE DRAINAGE BASIN (Type: Terrain; Soil; Cultivation; Vegetation; Shade)  
shallow V canyon; oak; brush on hillsides  
streamside vegetation - occasional alder - very  
sparse - very little shade

WIDTH 2 ft - 10 feet (ave = 7 feet)

DEPTH 4" - 4" (ave 8")

FLOW ~ 1 cfs

VELOCITY Rapid to cascading

BOTTOM (Bedrock, Boulder, Rubble, Gravel, Sand, Mud, Silt, Organic Debris)  
Rubble - 50%; Boulder - 25%; Bedrock - 15%  
Gravel - 5%; silt 5%

SPAWNING AREAS Very few observed. The  
bottom was mostly silt covered rubble.

POOLS Fairly numerous pool-riffle = 1:1

SHELTER Sparse, some shelter by ~~overhanging~~  
overhanging boulders.

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

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			
STATIONS	STATION DATA		
	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

NAME OF STREAM Minor Creek  
 FISH PRESENT: Species Steelhead  
 Size 1-3" 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 "road" - 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 runs through Redwood Creek up and parallel for about 1/4 mile on minor creek.

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.)

Aquatic plants - algae, winter flow - probably very high (50+ cfs). No observable pollution. No observed springs. Other vertebrates - frogs, snakes, deer, legends. Other recreational use - hunting. Ownership - Redwood Creek Ranch on surveyed section. Land is posted.

The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: MINOR CREEK Date: 7-28-66

Section: 1.5 MILES ABOVE REDWOOD CREEK TO REDWOOD CREEK

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

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present
- None present originally
- Partially removed
- Removed

2. Shelter

- VERY LITTLE PRESENT  
ORIGINALLY
- Present
- Partially removed
- Removed

7. Diversions

- None
- Present; \_\_\_\_\_ Number

3. Pools

- Present
- Partially eliminated
- Eliminated

Species: STEELHEAD ?

Abundance

- Rare
- Moderate
- High

4. Debris (slash, logs, tailings, etc.)

- None
- Present  
ONE HUGE LOG JAM

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

5. Barriers

- None
- Present; 1 Number  
HUGE LOG JAM - SILTED IN

*Moderate*



NAME OF STREAM Lost Man Creek

## REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

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

NAME OF SURVEYOR Warner, Webster

California Department of Fish and Game

Field Form

## STREAM SURVEY

NAME OF STREAM Lost Man Creek CO. HumboldtDATE 12-26-74 EXTENT OBSER. From 2 miles upstream  
from confluence with Prairie Creek To  
1 mi upstream from confluenceTRIB. TO Prairie Creek To Redwood Creek

RELATION TO OTHER WATERS

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

Virgin Redwood Forest. Alder along  
creekbed. Moderate brush on  
sides of canyon worn steep

WIDTH from 2' to 8'DEPTH from 2" to 6"FLOW 2 cfsVELOCITY rapid

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

Rubble and Gravel with some  
sand.

SPAWNING AREAS Good spawning areas for  
resident trout and anadromous fishPOOLS frequent and very deepSHELTER Good shelter from natural  
logs and debris

NAME OF STREAM Last 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. Caddis and stone fly pupae identified.

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

STATIONS	STATION DATA		
	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

NAME OF STREAM Last Man Creek

FISH PRESENT: Species Trout (species unknown)

Size 2" to 5"

Abundance Moderate

Success

Condition

Nat. Propagation Many fingerlings observed

Other Remarks

FISHING INTENSITY: Light, No Anglers observed.

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

Logging road parallels stream. Road crosses stream three times. All areas open.

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 aut algae streambed altered to facilitate a loading zone about 1 mile upstream. Tributary with 1 cfs. about 1 1/4 mi above confluence. No observed posted property - none logged. Small amounts of debris pushed into stream during road construction.

The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

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

Section: From 2 mi to 1 mi upstream from confluence of Lost

Observer: Werner & [unclear] Water temperature: 59° - 59°

1. Percent at bottom covered with silt

- 0 - 25
- 26 - 50
- 51 - 75
- 76 - 100

6. Streamside canopy

- Present
- None present originally
- Partially removed
- Removed

2. Shelter

- Present
- Partially removed
- Removed

7. Diversions

- None
- Present; \_\_\_\_\_ Number

3. Pools

- Present
- Partially eliminated
- Eliminated

Species: trout (species unknown)

Abundance

- Rare
- Moderate
- High

4. Debris (slash, logs, tailings, etc.)

- None
- Present Small amount

9. Causes of damage

- Logging
- Dams
- Roads Some trees pushed, creek, on side of bulldozed area
- Logging
- County or State be
- Other
- Other

5. Barriers

- None
- Present; 1 Number natural log barrier

Start: 1415

Finish: 1500

Angle: 0

Light

XERO COPY

XERO COPY

XERO COPY

XERO COPY

NAME OF STREAM Last Man Creek

REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

Water murky.

California Department of Fish and Game

Field Form

**STREAM SURVEY**

NAME OF STREAM Last Man Creek co. Humboldt

DATE 7-26-66 EXTENT OBSER. 1 Mile above Prairie Creek Hatchery to Prairie Creek Hatchery

TRIB. TO Prairie Creek to Redwood Creek

RELATION TO OTHER WATERS

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

Second growth redwood forest with and brush thick in sections. The gravel beds along south bank.

WIDTH 3 to 15 feet.

DEPTH sillies average about 6". Pools up to 5 or 6 ft.

FLOW 3 c.f.s.

VELOCITY sluggish to rapid

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

rubble along most of section. Pools quite silty. Gravel in upper section.

SPAWNING AREAS A few small areas in the upper portion but generally poor for spawning.

POOLS frequent & deep. Most pools silted.

SHELTER Alder covers much of stream.

NAME OF SURVEYOR Mullen & Ejelstad

NAME OF STREAM Lost Man Creek

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

FOOD Saddis fly larvae & mosquito larvae

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			
STATIONS	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

NAME OF STREAM Lost Man Creek

FISH PRESENT: Species -  
Size Fingerlings  
Abundance high  
Success -  
Condition -  
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 NRCC  
logging road

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.)  
Many tadpoles and some sort  
of eggs seen. Eggs may be  
frog eggs. Thick filamentous algae  
growing in coast of slower water

The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: LOST MAN CREEK Date: 7-26-66  
Section: 1 MILE ABOVE PRAIRE CREEK HATCHERY TO PRAIRE CREEK  
Observer: MULLEN & FJELSTAD 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 1/4 MILE  
ABOVE P.C. HATCHERY

6. Streamside canopy

- Present  
 None present originally  
 Partially removed  
 Removed

7. Diversions

- None  
 Present; 1 Number

8. Fish DIVERSION AT DAM (SEE S.)  
TO P.C. HATCHERY

Species: ?

Abundance

- Rare  
 Moderate  
 High

9. Causes of damage - NONE

- Logging  
 Dams  
 Roads  
 Logging  
 County or State  
 Other  
 Other

Undamaged

NO. 1000

NO. 1000

NO. 1000

NO. 1000

NAME OF STREAM Bridge Creek

BARRIERS AND DIVERSIONS 4 barriers at summer flow formed by large log jams. These may be passable at high winter flows. No diversions.

FOOD Not abundant. Few caddis fly, May fly, and damsel fly larvae. No hatches or terrestrial insects observed.

STATIONS	STATION DATA		
	No. 1	No. 2	No. 3
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			
STATIONS	No. 4	No. 5	No. 6
Location of Station			
Width			
Depth			
Bottom			
Spawn. Area			
Flow			
Velocity	T C R S	T C R S	T C R S
Stream Condition			
Water Temp.			
Air Temp.			
Time and Date			
Weather			
Altitude			

NAME OF STREAM Bridge Cr.

FISH PRESENT: Species Resident Cutthroat trout and steelhead trout

Size 1-2" Cut - 4-6" Steelhead fry.

Abundance Light for both.

Success Tight gravel + open areas limit success.

Condition Good.

Nat. Propagation Light at present.

Other Remarks Water temperatures 59° at mouth 54° 4 miles upstream.

FISHING INTENSITY: No signs of fishing observed, probably due to inaccessibility

ACCESSIBILITY AND REMARKS ON ROUTE (Road or Trail, Mileage and Time)  
2 mile walk up Redwood Cr. from Tom H. Donald Cr. Road high on North ridge of dr.

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.)  
Algae throughout upper 2 miles. Winter conditions appeared very extreme. Flow of over 100 cfs appeared. Deer, Frogs, Salamanders, possible Elk, Creek on Georgia Pacific level + open only by permit. Past stocking unknown.

NAME OF STREAM Bridge Cr.

## REMARKS—GENERAL ESTIMATE—RECOMMENDED MANAGEMENT

Bridge creek runs through a  
wide gravel bar that is heavily silted  
+ very slight. Few steelhead fry were  
observed - the tight gravel + open areas  
seem to limit spawning + survival success.  
Low water should be restored especially  
the 1/4 that form barriers. It was impossible  
to determine if the 1/4 were complete  
barriers as the water was flowing under  
- because the logs at the time surveyed.  
If it is possible to break loose the  
gravel (after log jam clearance) this  
creek should be replated as the fry  
population now is very low. This creek  
could be an excellent spawning grounds  
for both steelhead + salmon. There  
are 3-4 miles of gravel beds.

NAME OF SURVEYOR

- 4 -

CG-12-55 1M © SFG

Field Form

California Department of Fish and Game

## STREAM SURVEY

NAME OF STREAM Bridge Cr. co HumboldtDATE 7-27-66 EXTENT From mouth to  
4 miles upstreamTRIB. TO Redwood Cr.RELATION TO OTHER WATERS Redwood Cr. Trips  
To Pacific Ocean at Orick, Calif.

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

V Shape canyon with 10-50 yd. silted  
gravel channel. Redwood forest with stream  
Alder + Maple. Slate + quartz gravel throughout.  
WIDTH 2-10' average 3 1/2'

DEPTH 3" - 5" average 5" in riffles  
and 15" in pools.FLOW 2 cfs throughout survey.VELOCITY 1-2 ft/sec.

BOTTOM (Bedrock, Boulder, Rubble, Gravel, Sand, Mud, Silt, Organic Debris) Mainly Slate  
+ quartz gravel well silted + tight. Some  
bedrock + rubble towards headwaters.

SPAWNING AREAS 1 1/2 - 3 miles all spawning  
gravel. Well silted + extremely tight.POOLS 1:3 pool to riffle area.  
Many pools silted by log jams +  
few from bedrock.SHELTER Approx. 1/2 creek open without  
shelter due to wide channel  
and few trees, logs, or bedrock.

Floods appear to have eroded  
of the streamside vegetation.

FG 724



The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: BRIDGE CREEK Date: 7-28-66

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

Observer: M. RYDY & BURGE 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: CUTTAROOT TROUT (RESIDENT)

Abundance

- Rare
- Moderate
- High

9. Causes of damage

- Logging
- Dams
- Roads
- Logging
- County or State
- Other
- Other

WAGGERS - 0  
TIME START END  
1200 1320

Light

1 TRIBUTARY 3.5 MILES UPSTREAM  
FROM MOUTH 0.5 CFS.

The Resources Agency of California  
Department of Fish and Game

STREAM HABITAT SURVEY

Stream: BRIDGE CREEK Date: 7-28-66

Section: FROM MOUTH TO 3 MILES UPSTREAM

Observer: HARDY & RUDGE 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  
1015 1200

ANGLES - 0

1 TRIBUTARY 2 MILES UPSTREAM  
FROM MOUTH 50 FS.