UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

**PHYSICAL AND BIOLOGICAL STREAM SURVEY REPORT**

Date: *Aug 20, 1975*
Surveyor: *R. G. Johnson*
Agency: *BLM*

| 2. Stream | a. Tributary | b. Basin |
|---|---|---|
| *Morrison Creek* | *Russian River* | |

| 3. Location ( *stream mouth* ) | Township | Range | Section |
|---|---|---|---|
| | *14 N* | *12 W* | *15* |

| 4. County | 5. State Administration Unit Number | Code Number |
|---|---|---|
| *X* | | X |

## 6. PHYSICAL SURVEY DATA

a. Station *Rad Mtn Road xing* [sic] to: *1.1* distance *(miles)* *downstream*

b. Stream width *(average)*

| | | | |
|---|---|---|---|
| *4* | ft. today | | |
| | ft. when | | spawn |
| | ft. when | | spawn |

c. TURBIDITY *(Visibility in feet)*

| MUDDY | | MURKY | | CLEAR | |
|---|---|---|---|---|---|
| <.5 | .5-1 | 1-2 | 2-5 | 5-10 | 10 + |
| | | | *X* | | |

d. Jackson Turbidity Units

e. Temperature: Air °F, Water °F, Time , Flow (cfs) Now *0.3* , High , Low

f. GRAVEL, POOL AND RUBBLE AREA

| SUBSECTION | FISH SPECIES | GRAVEL (*sq. yards*) | | | POOLS | | RUBBLE *(sq. yards)* | TOTAL *(sq. yard's)* |
|---|---|---|---|---|---|---|---|---|
| | | GOOD | MARGINAL | TOTAL | SQ. YARDS | DEPTH | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | | | | | | | | |

g. PERCENT OF SECTION IN POOLS

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | *X* | | | | |

h. Gradient

*X* Steep (2.5 + %)
Moderate (1.0 to 2.5 %)
Flat (0 to 1 %)

i. AVERAGE STREAM AREA SHADED *(percent)*

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | *X* | |

j. STREAMSIDE COVER TYPE

| LOGGED WITHIN (years) | | GROWTH | | HERB | OTHER |
|---|---|---|---|---|---|
| 0-5 | 6-10 | 2nd | OLD | | |
| | | | | *X* | *Hdwood* |

## 7. FISH SPECIES, SIZE, AND ABUNDANCE

a. Method of collection *visual*

| SPECIES | SIZE | NUMBER PER 100 FT. | | | SPECIES | SIZE | NUMBER PER 100 FT. | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 0-5 | 6-50 | 50 + | | | 0-5 | 6-50 | 50 + |
| *none* | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

## 8. LIMITING FACTORS

| BARRIERS *(type)* | | | | HEIGHT (*ft.*) | PASSABLE | | CORRECTIONS NEEDED | |
|---|---|---|---|---|---|---|---|---|
| DAM | FALLS | LOGJAM | CULVERT | | YES | NO | YES | NO |
| | | | | | | | | |
| | | | | | | | | |

Other factors

9. Access

10. Additional Comments

Dist # 1 Road crossing - needs culvert, Flow est 1/8 cfs

# 2, 3 1/4 mi downstream - much bank erosion in the first 1/2 mile.

# 4 Int. trib on left bank approx 200 ft downstream.

# 5 1/2 mi downstream

# 6 3/4 mi. "

# 7 1 mi downstream looking up

# 8 1 mi " looking down

# 9 5700 ft " no fish

# 10 drainage from dry trib on right bank about 1/2 mile downstream

**INSTRUCTIONS •**

1. District office completes two (2) copies upon request of Stream Surveyor.
2. Submit original to permanent District file and carbon to Stream Surveyor for final stream survey report.
3. See Form 6670—1 tor specific instructions.

US Government Printing Office 1973-74

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

**PHYSICAL AND BIOLOGICAL STREAM SURVEY REPORT**

Date: *Sept. 11, 1975*
Surveyor: *R. L. Johnson*
Agency: *B L M*

| 2. Stream | a. Tributary | b. Basin |
|---|---|---|
| *Morrison Cr. Hopland Fork* | *Morrison Creek* | *Russian River* |

| 3. Location ( *stream mouth* ) | Township | Range | Section |
|---|---|---|---|
| | *14 N* | *11 W* | *29* |

| 4. County | 5. State Administration Unit Number | Code Number |
|---|---|---|
| *Mendocino* | | |

## 6. PHYSICAL SURVEY DATA

a. Station *mouth* to: *2375 feet* distance ~~*(miles)*~~ *upstream*

b. Stream width *(average)*

_____ ft. today _____
_____ ft. when _____ spawn
_____ ft. when _____ spawn

c. TURBIDITY *(Visibility in feet)*

| MUDDY | | MURKY | | CLEAR | |
|---|---|---|---|---|---|
| <.5 | .5-1 | 1-2 | 2-5 | 5-10 | 10 + |
| | | | | *X* | |

d. Jackson Turbidity Units

e. Temperature: Air °F., Water °F., Time , Flow (cfs) Now *0.05* , High , Low

f. GRAVEL, POOL AND RUBBLE AREA

| SUBSECTION | FISH SPECIES | GRAVEL (*sq. yards*) | | | POOLS | | RUBBLE *(sq. yards)* | TOTAL *(sq. yard's)* |
|---|---|---|---|---|---|---|---|---|
| | | GOOD | MARGINAL | TOTAL | SQ. YARDS | DEPTH | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | | | | | | | | |

g. PERCENT OF SECTION IN POOLS

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *X* | | | | | |

h. Gradient

Steep (2.5 + %)
X Moderate (1.0 to 2.5 %)
Flat (0 to 1 %)

i. AVERAGE STREAM AREA SHADED *(percent)*

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | *X* | |

j. STREAMSIDE COVER TYPE

| LOGGED WITHIN (years) | | GROWTH | | HERB | OTHER |
|---|---|---|---|---|---|
| 0-5 | 6-10 | 2nd | OLD | | |
| | | | | | *Hdwd* |

## 7. FISH SPECIES, SIZE, AND ABUNDANCE

a. Method of collection

| SPECIES | SIZE | NUMBER PER 100 FT. | | | SPECIES | SIZE | NUMBER PER 100 FT. | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 0-5 | 6-50 | 50 + | | | 0-5 | 6-50 | 50 + |
| *RT* | *2 - 2.5 "* | *X* | | | | | | | |
| *RT* | *6 - 9 "* | *X* | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

## 8. LIMITING FACTORS

| BARRIERS *(type)* | | | | HEIGHT (*ft.*) | PASSABLE | | CORRECTIONS NEEDED | |
|---|---|---|---|---|---|---|---|---|
| DAM | FALLS | LOGJAM | CULVERT | | YES | NO | YES | NO |
| | | | | | | | | |
| | | | | | | | | |

Other factors

*Hopland Fork so designated on basis of Hopland Field Sta*

9. Access

10. Additional Comments

Pict # 6 100ft upstream from mouth, Pool 5'x10' with 2 RT 6-7"

# 7 550ft. upstream

# 8 2000ft " . Massive boulders form 20ft falls - no fish above.

# 9 650ft upstream. Slide, but looks fairly stable. has a lot of rock in soil. From this point down, pools are fairly continuous. Above here, stream is mostly dry

# 10 Hopland Fork drainage from near end of Pyramid Ridge Trail.

**INSTRUCTIONS •**

1. District office completes two (2) copies upon request of Stream Surveyor.
2. Submit original to permanent District file and carbon to Stream Surveyor for final stream survey report.
3. See Form 6670—1 tor specific instructions.

US Government Printing Office 1973-74

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

**PHYSICAL AND BIOLOGICAL STREAM SURVEY REPORT**

Date: *Oct. 20, 1975*
Surveyor: *R. L. Johnson*
Agency: *BLM*

| 2. Stream | a. Tributary | b. Basin |
|---|---|---|
| *Morrison Creek* | *Russian River* | |

| 3. Location ( *stream mouth* ) | Township | Range | Section |
|---|---|---|---|
| | *14 N* | *12 W* | *15* |

| 4. County | 5. State Administration Unit Number | Code Number |
|---|---|---|
| *Mendocino* | | |

## 6. PHYSICAL SURVEY DATA

a. Station *Hopland Fork* to: *1 1/8* distance *(miles)* *downstream*

b. Stream width *(average)*

*6* ft. today
ft. when spawn
ft. when spawn

c. TURBIDITY *(Visibility in feet)*

| MUDDY | | MURKY | | CLEAR | |
|---|---|---|---|---|---|
| <.5 | .5-1 | 1-2 | 2-5 | 5-10 | 10 + |
| | | | | *X* | |

d. Jackson Turbidity Units

e. Temperature: Air *81* °F, Water *58* °F, Time *3 P* , Flow (cfs) Now *1/4* , High *100* , Low *1/4*

f. GRAVEL, POOL AND RUBBLE AREA

| SUBSECTION | FISH SPECIES | GRAVEL *(sq. yards)* | | | POOLS | | RUBBLE *(sq. yards)* | TOTAL *(sq. yard's)* |
|---|---|---|---|---|---|---|---|---|
| | | GOOD | MARGINAL | TOTAL | SQ. YARDS | DEPTH | | |
| | *RT* | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | | | | | | | | |

g. PERCENT OF SECTION IN POOLS

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

h. Gradient

Steep (2.5 + %)
X Moderate (1.0 to 2.5 %)
Flat (0 to 1 %)

i. AVERAGE STREAM AREA SHADED *(percent)*

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *X* | *X* | |

j. STREAMSIDE COVER TYPE

| LOGGED WITHIN (years) | | GROWTH | | HERB | OTHER |
|---|---|---|---|---|---|
| 0-5 | 6-10 | 2nd | OLD | | |
| | | | | | *Hdwd* |

## 7. FISH SPECIES, SIZE, AND ABUNDANCE

a. Method of collection *Angling*

| SPECIES | SIZE | NUMBER PER 100 FT. | | | SPECIES | SIZE | NUMBER PER 100 FT. | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 0-5 | 6-50 | 50 + | | | 0-5 | 6-50 | 50 + |
| *RT* | *3 - 9 "* | | 25 | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

## 8. LIMITING FACTORS

| BARRIERS *(type)* | | | | HEIGHT *(ft.)* | PASSABLE | | CORRECTIONS NEEDED | |
|---|---|---|---|---|---|---|---|---|
| DAM | FALLS | LOGJAM | CULVERT | | YES | NO | YES | NO |
| | | | | | | | | |
| | | | | | | | | |

Other factors

9. Access

*Four wheel* [sic] [sic] *Pyrimid Ridge*

10. Additional Comments

Pict # 6-13 Oct. 20, 1975

Pict # 6 500 ft. downstream from Confluence of Pyramid Ridge Fork and Hopland Field Sta. Fork.
90% Shade, 1-2% grade, steep side slopes (100% on Rt bk, 45% Lft)
Old slide on Lft bank, RT to 9" clean sand & gravel bottom

# 7 1700 ft. downstream mostly shallow pools 1-2 ft dep.

# 8 2500 ft. Stream opens - about 20% shade

# 9 2800 ft. Stream percolates into ground and becomes intermittent pools

# 10 3250 ft. Flowing again and enters shade

# 11 4500 ft. Natural slide on right bank

# 12 5300 ft. Slide on left bank 75' x 100'

# 13 6000 ft. Steep side slopes (80%), erosion on left bank, stream gradient steepens to 3-4%
RT only present most 3-6", a few up to 9"

Pict # 4, 5 Taken Sept 11, 1975

# 4 Drainage from end of Pyramid Ridge Trail

# 5 Pool about 20 ft upstream from Hopland Fork tib.

**INSTRUCTIONS •**

1. District office completes two (2) copies upon request of Stream Surveyor.
2. Submit original to permanent District file and carbon to Stream Surveyor for final stream survey report.
3. See Form 6670—1 tor specific instructions.

US Government Printing Office 1973-74