

Length : 5.0

CHINA CREEK

This creek is a small tributary to the New River. It was surveyed from the mouth to 1 mile upstream on October 17, 1974. The flow was estimated at 3-4 CFS. The velocity was cascading.

The habitat was fair to good. Shade canopy was medium to heavy (50-80%) and riparian vegetation was medium (40%). Pools were abundant with a fair amount of in-pool shelter. No aquatic vegetation was observed. Aquatic food organisms were few. There were few fishes seen.

There were 4 barriers noted. The first barrier was a 40 foot bedrock falls located 75 yards upstream from the mouth, and is a complete barrier to all fish.

This creek flows through a steep, moderately wooded gorge. The watershed and banks are moderately unstable with about 20% erosion. Stream gradient is about 15%. Channel width was about 25 feet and stream width was about 8 feet.

Access to China Creek was by hiking downstream on the New River from Panther Creek. Approximately 3/4 of a mile from Panther Creek there was a cable crossing the river. On the east side of the New River, below the cable, there was a rope coming down the mountain side from the ridge top. Climb up to the ridge and take the trail. It will lead to China Creek.

STREAM SURVEY

FOREST SHASTA - TRINITY		DISTRICT BIG BAR	
1. NAME OF STREAM CHINA CREEK		2. RIVER SYSTEM TRINITY	
3. TRIBUTARY TO NEW RIVER		4. TOTAL LENGTH 5 MILES SURVEYED	
5. STREAM SECTION			
FROM: mouth		TO: 1 MILE UPSTREAM	
6. LOCATION OF MOUTH OR LOWERMOST POINT			
TOWNSHIP 6N	RANGE 7E	SECTION 19	
7. DESCRIPTION OF STREAM: (USE PAGE 4 OR SEPARATE SHEET TO RECORD NOTES MADE DURING SURVEY).			

SECTION DATA

8. LOCATION	LOWER			MIDDLE			UPPER																										
	TWP	RG	SEC	TWP	RG	SEC	TWP	RG	SEC																								
9. ALTITUDE RANGE	900 FT. TO 1200 FT.			FT. TO FT.			FT. TO FT.																										
10. WIDTH OF STREAM	RANGE	FT. AVE	FT.	RANGE	FT. AVE	FT.	RANGE	FT. AVE	FT.																								
11. DEPTH	RANGE	FT. AVE	FT.	RANGE	FT. AVE	FT.	RANGE	FT. AVE	FT.																								
12. FLOW	3-4 cfs.			cfs.			cfs.																										
13. VELOCITY	RAPID-CASCADING																																
14. AIR TEMPERATURE	76 °F			°F			°F																										
15. WATER TEMPERATURE	79 °F			°F			°F																										
16. HOUR AND SKY	HOUR 1:00 SKY CLEAR			HOUR SKY			HOUR SKY																										
17. POOLS-ABUNDANCE	abundant *P/R-1/1			RANGE FT. AVE FT			RANGE FT. AVE FT																										
a. Size (diameter)	RANGES-30 FT. AVE 15 FT			RANGE FT. AVE FT			RANGE FT. AVE FT																										
b. Formed by	bedrock																																
c. Shelter	fair																																
18. RIFFLES-ABUNDANCE	abundant																																
19. BOTTOM TYPE	<table border="1"> <tr> <td>Bedrock</td> <td>Boulders</td> <td>Rocks</td> <td>Rubble</td> <td>Gravel</td> <td>Sand</td> <td>Silt</td> <td>Mud</td> </tr> </table>			Bedrock	Boulders	Rocks	Rubble	Gravel	Sand	Silt	Mud	<table border="1"> <tr> <td>Bedrock</td> <td>Boulders</td> <td>Rocks</td> <td>Rubble</td> <td>Gravel</td> <td>Sand</td> <td>Silt</td> <td>Mud</td> </tr> </table>			Bedrock	Boulders	Rocks	Rubble	Gravel	Sand	Silt	Mud	<table border="1"> <tr> <td>Bedrock</td> <td>Boulders</td> <td>Rocks</td> <td>Rubble</td> <td>Gravel</td> <td>Sand</td> <td>Silt</td> <td>Mud</td> </tr> </table>			Bedrock	Boulders	Rocks	Rubble	Gravel	Sand	Silt	Mud
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Bedrock	Boulders	Rocks	Rubble	Gravel	Sand	Silt	Mud																										
a. Pools %	25																																
b. Riffles %	70																																
20. SHADE CANOPY	medium-heavy 50-80%																																
a. Species	RIPARIAN veg. medium-40%																																
21. AQUATIC VEGETATION	NOTE SEEN																																
a. Species																																	
22. AQUATIC FOOD ORGANISMS	FEW																																
a. Caddisflies	0																																
b. Mayflies	✓																																
c. Stoneflies	✓																																
d. Diptera	✓																																
e. Beetles	0																																
f. Other Insects	BEETLES																																
g. Crustacea	0																																
h. Others	0																																
23. OVERALL AQUATIC FOODS	FEW																																
24. FISHES PRESENT	FEW																																
a. All Species Combined	FEW																																
b. Species 1	RBT																																
(1) Abundance	10 RBT SEEN																																
(2) Ave. No. per 100 ft.																																	
(3) Length Range				INCH&S			INCHES																										
(4) Ave. Length				INCHES			INCHES																										

App. 1 -
App. 2 -

App. 3 -

* P/R - POOL/RIFFLE RATIO

	LOWER	MIDDLE	UPPER
c. Species 2			
(1) Abundance			
(2) Ave. No. per 100 ft.			
(3) Length range			
(4) Ave. length			
d. Species 3			
(1) Abundance			
(2) Ave. No. per 100 ft.			
(3) Length range			
(4) Ave. length			
e. Species 4			
(1) Abundance			
(2) Ave. No. per 100 ft.			
(3) Length range			
(4) Ave. length			
25. REPRODUCTION			
a. Species 1	POOR		
b. Species 2			
c. Species 3			
d. Species 4			
26. FISH PREDATORS			
a. Birds	NONE SEEN		
b. Snakes			
27. CHARACTER OF WATERSHED	STEEP, mod. wooded gorge		
28. WATERSHED SOIL STABILITY	mod. UNSTABLE	(20% erosion)	
29. STREAM CHANNEL STABILITY	mod. UNSTABLE	BANKS - moderately UNSTABLE	
30. STREAM FLOW CONDITION	LOW		
31. STREAM GRADIENT	15%		
32. BARRIERS	SEE APP. 4		
33. DIVERSIONS	NONE SEEN		
34. SPRINGS	NONE SEEN		
35. TRIBUTARIES	NONE SEEN		
36. WATER QUALITY			
a. Turbidity	LOW		
b. Nature of Turbidity			
c. Other Pollution			
37. ACCESSIBILITY	HIKE DOWNSTREAM ON NEW RIVER FROM PANTHER CREEK TO MOUTH OF CHINA (ABOUT 1-1/2 MILES)		
a. Car or Trail			
38. FISHING USE	ZERO - LIGHT		
a. Est. Fisherman days	Per Year	Per Year	Per Year
b. Est. ave. hours fished per day			

SUMMARY-ENTIRE STREAM

39. STREAM CLASSIFICATION:	LOWER II	MIDDLE	UPPER
REMARKS:			
40. STREAM CHARACTERISTICS AND REMARKS			
Small Tributary to New River,			
Supports small Resident Trout Population. Creek is not			
Too conductive to spawning because of lack in spawning			
41. FISH STOCKING PROGRAM			
Equal			
42. MANAGEMENT RECOMMENDATIONS:			
I want as Resident Trout			
with in			

42. DATE OF SURVEY	43. SURVEY MADE BY
7 OCT 74	D. Beckwith

STREAM MANAGEMENT ANALYSIS-(May be filled out at Office)

1. TYPE OF FISHERY	2. PRIMARY SPECIES	
Cold	RBT	
3. OVERALL PRESENT FISHERY RATING	a. Size of Stream	b. Fishing Use
Poor	Small	Zero
c. Other Uses	d. Productivity	e. Habitat Condition
	Poor	Good
4. IMPROVEMENT POTENTIAL		
5. FISH MANAGEMENT RECOMMENDATIONS:		
a. Chemical Rehabilitation		
b. Fishery Regulation		
c. Regulation of Other Activities		
d. Introduction of Exotic Fish Species		
e. Maintenance Stocking of Established Fish Species		
f. Others		
6. HABITAT MANAGEMENT:		
a. Watershed Management		
b. Stream Protection Belt Management		
c. Water Quality Management		
d. Physical Corrective Measures		
e. Others.		
7. PUBLIC ACCESS AND LAND ACQUISITION		
8. PUBLIC USE FACILITIES		

SUMMARY-ENTIRE STREAM

39. STREAM CLASSIFICATION:	LOWER <u>II</u>	MIDDLE	UPPER
REMARKS:			
40. STREAM CHARACTERISTICS AND REMARKS			
<u>SMALL TRIBUTARY TO NEW RIVER,</u>			
<u>SUPPORTS SMALL RESIDENT TROUT POPULATION. CREEK IS NOT</u>			
<u>TOO CONDUVIVE TO SPAWNING BECAUSE OF LACK IN SPAWNING</u>			
41. FISH STOCKING PROGRAM			
<u>SPAWNS</u>			
42. MANAGEMENT RECOMMENDATIONS:			
<u>MANAGE AS RESIDENT TROUT</u>			
<u>STREAM</u>			
42. DATE OF SURVEY		43. SURVEY MADE BY	
<u>OCT 74</u>		<u>D. BOLLINGER & L. GOSCHETZER</u>	

STREAM MANAGEMENT ANALYSIS-(May be filled out at Office)		
1. TYPE OF FISHERY	2. PRIMARY SPECIES	
<u>Cold</u>	<u>RBT</u>	
3. OVERALL PRESENT FISHERY RATING	a. Size of Stream	b. Fishing Use
<u>POOR</u>	<u>SMALL</u>	<u>ZERO-LIGHT</u>
c. Other Uses	d. Productivity	e. Habitat Copdition
	<u>POOR</u>	<u>good</u>
4. IMPROVEMENT POTENTIAL		
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a. Chemical Rehabilitation		
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e. Others		
7. PUBLIC ACCESS AND LAND AQUISITION		
8. PUBLIC USE FACILITIES		

APPENDIX 1:

WIDTH OF CHANNEL 25 FT
 WIDTH OF STREAM 8 FT

APPENDIX 2:

(4)

DEPTH OF POOLS 1-6 FT (2.4)
 DEPTH OF RIFFLES 1/2-1 FT

APPENDIX 3:

(9") = .75

SHADE CANOPY %

ELDER BERRY 40
 MAPLE 30
 DOGWOOD 10
 OAK 10
 MADRONE 10

RIPARIAN VEGETATION %

PELTIphyllum 70
 ELDER BERRY 20
 DOGWOOD 10

APPENDIX 4.

BARRIERS: (SEE MAP FOR LOCATION)

B1 75 yds upstream, 40 FT FALLS OVER BEDROCK INTO POOL 30 FT X 10 FT X 6 FT

B2 1/4 mile upstream 7 FT SLIDING FALLS INTO POOL 1/2 FT DEEP. PROBABLY NOT A BARRIER DURING HIGH FLOW

B3 100 yds from B2, 40 FT SLIDING FALLS INTO POOL 30 FT IN DIAMETER & 2 FT DEEP

B4 75 yds from B3, 20 FT FALLS OVER BEDROCK INTO POOL 30 FT IN DIAMETER & 4 FT DEEP.

