

Length = 10.3

DEVIL'S CANYON CREEK

This creek is a medium size-tributary to the New River. It was surveyed from the mouth to approximately 1 mile upstream on October 9, 1974. The flow was estimated at 2-3 CFS at the mouth. The velocity was rapid.

The habitat conditions were fair. Shade and riparian vegetation were about 40%. Pools were abundant. In-pool shelter was fair and spawning gravel was little seen. There were large quantities of sand seen throughout the stream. Aquatic vegetation was common. Aquatic insects were few to common. Not many fish were seen. Only a few fish, 1-3 inches were seen.

Only one barrier was walked. This was a 6 foot falls, 50 feet upstream. During high, winter flows, this might not be a barrier.

The creek flows through a very steep, deep, wooded canyon. The watershed and stream banks were stable. The creek gradient was about 8-15%.

Accessibility was easy by hiking upstream from Forest Service Road 7N01.

STREAM SURVEY

FOREST Shasta - Trinity		DISTRICT Big Bar	
1. NAME OF STREAM Devils Canyon Creek		2. RIVER SYSTEM Trinity River	
3. TRIBUTARY TO New River		4. TOTAL LENGTH 10 miles	
5. STREAM SECTION FROM: mouth TO: 1 mile upstream			
6. LOCATION OF MOUTH OR LOWERMOST POINT TOWNSHIP 7N RANGE 7E SECTION 26			
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	SEC	TWP	RG	SEC	SEC	TWP	RG	SEC	SEC																																																																																																																																																																																																
9. ALTITUDE RANGE	FT. TO 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	2-3 cfs.								c.f.s.																																																																																																																																																																																																			
13. VELOCITY	Rapid																																																																																																																																																																																																											
14. AIR TEMPERATURE	75° °F								°F																																																																																																																																																																																																			
15. WATER TEMPERATURE	52° °F								°F																																																																																																																																																																																																			
16. HOUR AND SKY	HOUR 12:00 SKY clear				HOUR SKY				HOUR SKY																																																																																																																																																																																																			
17. POOLS-ABUNDANCE	abundant *P/R = 1/2																																																																																																																																																																																																											
a. Size (diameter)	RANGE 3-30FT. AVE FT				RANGE FT. AVE FT				RANGE FT. AVE FT																																																																																																																																																																																																			
b. Formed by	bedrock & boulders																																																																																																																																																																																																											
c. Shelter	fair																																																																																																																																																																																																											
18. RIFFLES-ABUNDANCE	abundant																																																																																																																																																																																																											
19. BOTTOM TYPE	<div style="display: flex; justify-content: space-between;"> Pool Grade 3 </div> <table border="1"> <tr><td>Bedrock</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Boulders</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Rocks</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Rubble</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Gravel</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Sand</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Silt</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Mud</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>				Bedrock								Boulders								Rocks								Rubble								Gravel								Sand								Silt								Mud								<table border="1"> <tr><td>Bedrock</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Boulders</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Rocks</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Rubble</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Gravel</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Sand</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Silt</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Mud</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>				Bedrock								Boulders								Rocks								Rubble								Gravel								Sand								Silt								Mud								<table border="1"> <tr><td>Bedrock</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Boulders</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Rocks</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Rubble</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Gravel</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Sand</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Silt</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Mud</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>				Bedrock								Boulders								Rocks								Rubble								Gravel								Sand								Silt								Mud							
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b. Riffles (%)	30	15	15	10	15	15																																																																																																																																																																																																						
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a. Species	filamentous algae & peltiphyllum																																																																																																																																																																																																											
22. AQUATIC FOOD ORGANISMS	few - common																																																																																																																																																																																																											
a. Caddisflies	-																																																																																																																																																																																																											
b. Mayflies	✓																																																																																																																																																																																																											
c. Stoneflies	✓																																																																																																																																																																																																											
d. Diptera	✓																																																																																																																																																																																																											
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f. Other Insects	-																																																																																																																																																																																																											
g. Crustacea	snails																																																																																																																																																																																																											
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23. OVERALL AQUATIC FOODS	few - common																																																																																																																																																																																																											
24. FISHES PRESENT	few																																																																																																																																																																																																											
a. All Species Combined																																																																																																																																																																																																												
b. Species 1	RAINBOW																																																																																																																																																																																																											
(1) Abundance	few																																																																																																																																																																																																											
(2) Ave. No. per 100 ft.																																																																																																																																																																																																												
(3) Length Range	1-3				INCHES				INCHES																																																																																																																																																																																																			
(4) Ave. Length	1 1/2				INCHES				INCHES																																																																																																																																																																																																			

* P/R = Pool/Riffle Ratio

c. Species 2

LOWER

MIDDLE

UPPER

	LOWER	MIDDLE	UPPER
(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	few		
b. Species 2			
c. Species 3			
d. Species 4			
26. FISH PREDATORS			
a. Birds	kingfisher		
b. Snakes	catfish		
27. CHARACTER OF WATERSHED	steep, deep wooded	CANYON	
28. WATERSHED SOIL STABILITY	stable		
29. STREAM CHANNEL STABILITY	moderately unstable	Banks; stable	
30. STREAM FLOW CONDITION	low		
31. STREAM GRADIENT	8-15%		
32. BARRIERS	see appendix 4		
33. DIVERSIONS	NONE SEEN		
34. SPRINGS	NONE SEEN		
35. TRIBUTARIES	see appendix 5		
36. WATER QUALITY			
a. Turbidity	low		
b. Nature of Turbidity			
c. Other Pollution			
37. ACCESSIBILITY	easy - up stream	channel	
a. Car or Trail			
38. FISHING USE	heavy at mouth -	light to zero	UPSTREAM
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			
THIS IS A MODERATELY LARGE TRIBUTARY TO THE NEW RIVER. VERY FEW FISH WERE SEEN. BARRIER (SEE APPENDIX 4) I MIGHT NOT BLOCK ANADROMOUS MIGRATION DURING HIGH WINTER FLOW. LITTLE SPAWNING GRAVEL WAS SEEN.			
41. FISH STOCKING PROGRAM			
42. MANAGEMENT RECOMMENDATIONS:			
MANAGE AS A RESIDENT & ANADROMOUS TROUT STREAM.			
42. DATE OF SURVEY		43. SURVEY MADE BY	
OCTOBER 9, 1974		LOUIS BARODETZER & DON BOLLINGER	

STREAM MANAGEMENT ANALYSIS (May be filled out at Office)		
1. TYPE OF FISHERY	2. PRIMARY SPECIES	
Cold	Rainbow	
3. OVERALL PRESENT FISHERY RATING	a. Size of Stream	b. Fishing Use
POOR	moderately large	light to heavy
c. Other Uses	d. Productivity	e. Habitat Condition
WATER SUPPLY & MINNING	low	FAIR
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		

SPACE FOR SKETCHES, MAPS OR ADDITIONAL REMARKS

Appendix 1:

width of channel -----
width of stream -----

Appendix 2:

depth of pools -----
depth of riffles -----

Appendix 3:

shade canopy species	%	Riparian vegetation	%
alder	30	alder	15
maple	25	maple	20
dogwood	25	dogwood	20
elderberry	5	elderberry	20
oak	5	horsetail	10
madrone	10	moss	15

Appendix 4:

Barriers (see map for location)

B₁ - 6-ft. falls over bedrock
50-ft upstream from mouth
pool below - 30-ft diameter & 10ft deep
might not be a barrier during high winter flows

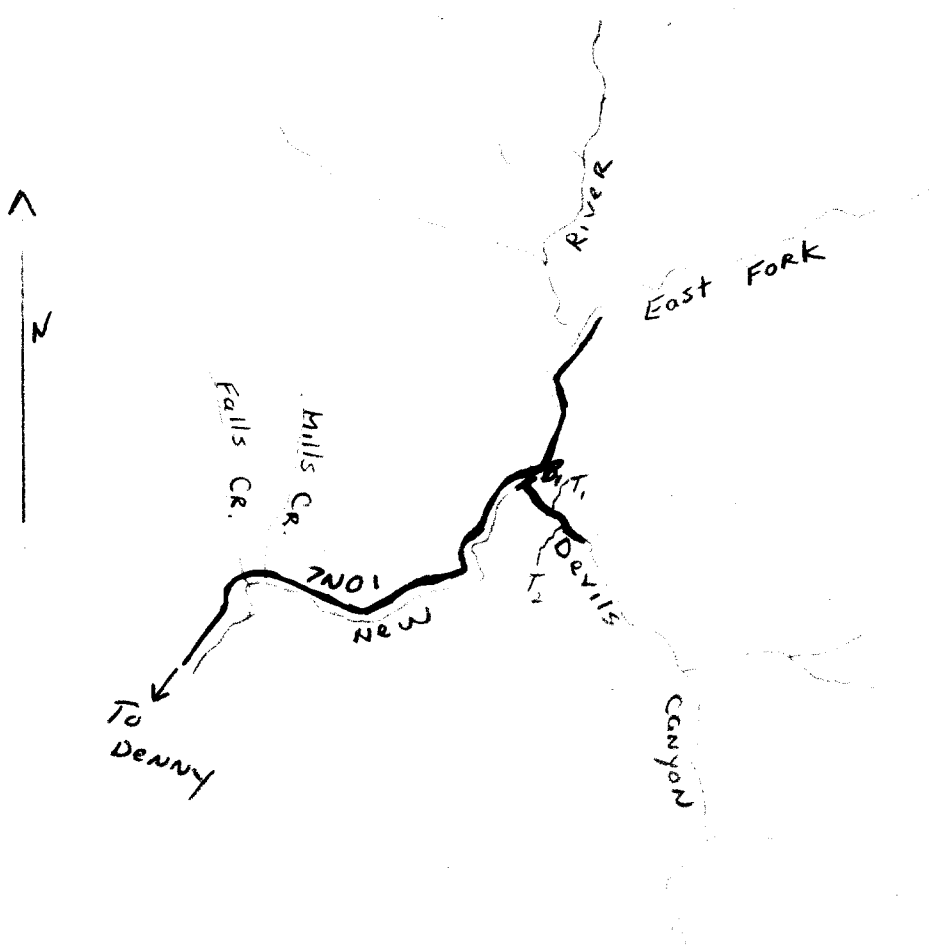
Appendix 5:

Tributaries (see map for location)

T₁ - located on north side of River
5% gradient
 $\frac{1}{8}$ - $\frac{1}{4}$ CFS
flow slow
channel width - 5-ft
stream width - 2-3-ft
shade canopy - 90%
Temp. 50°F
depth - $\frac{1}{4}$ inch

T₂ - located on south side of River
100% gradient
 $\frac{1}{2}$ CFS
Flow cascading
channel width - 10 ft
stream width - 8 ft
depth - $\frac{1}{16}$ - $\frac{1}{8}$ inch
Temp. 50°F

Devils Canyon Creek



key

- AREA SURVEYED
- B- BARRIER
- T- TRIBUTARY

1 inch
1 mile

Transich mta. Quad NE $\frac{1}{4}$
Helena Quad NW $\frac{1}{4}$

