

Nevada  
Department  
Of Fish  
And Game

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November 10, 1975

Dr. Robert Behnke  
Colorado State University  
Fort Collins, Colorado 80523

Dear Dr. Behnke:

In reference to your letter of October 29, 1975 on Mt. Wheeler cutthroat, any up-date report you have would be appreciated for our office file.

As far as Hendry's Creek is concerned we did treat this stream with ANAMYASIN A in the summer of 1973 and 1974. However, we have not, as yet, been back into this area to check for downstream movement of the pure strain of cutthroat. We plan to check this stream system either this month or next.

I have hiked the headwaters area of Hendry's Creek and have found no apparent barriers to explain the purity in that area. However, from the condition of the road in that area I believe it would have been extremely difficult to get fish much above the natural barrier. In most cases when hatchery trout, especially rainbow, are stocked they tend to drift down stream, at least for the first few days. In the case of the headwaters of Hendry's Creek there were probably very few rainbow stocked there and those that were probably were displaced by the native "cuts" or due to their being unaccustomed to the swift water conditions the majority were moved down stream, at least to a point below the natural barrier. These are the best explanations I have at the moment.

Our recrods indicate Pine Creek trout were stocked in Weaver Creek, no success; Goshute Creek, successful; Mill Creek, successful; Hampton Creek, successful; Willard and Williams, both possible success.



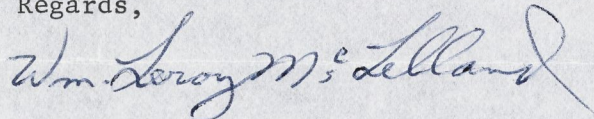
Dr. Behnke

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November 10, 1975

I believe this species of trout may also be found in the headwaters of the following creeks in the Snake Mountain Range: Baker, Big Wash, Deep Canyon, Lehman, Nigger, Silver, Snake, Strawberry, Smith and Deadman Creeks. There is also a recorded plant into Muncy Creek, in the Schell Creek Range, which may have been this species of cutthroat. These streams will all be checked as time permits.

Regards,



Wm. Leroy McLelland  
Fishery Biologist  
Ely Office  
P.O. Box 1109  
Nev. Dept. of Fish & Game  
Ely, Nevada 89301

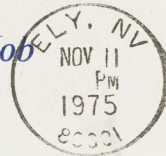
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NEVADA  
DEPARTMENT OF FISH AND GAME  
P.O. Box 10678  
RENO, NEVADA 89510

**Nevada Department of Fish & Game**  
P. O. Box 1109  
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*Protect Wildlife . . . .*  
*Conservation Is Everybody's Job*



Dr. Robert Behnke

Colorado State University

Fort Collins, Colorado 80523

**ALWAYS ASK PERMISSION  
TO ENTER PRIVATE LAND**

Help Prevent Littering















CHARACTER ANALYSIS SHEET - COLORADO COOPERATIVE FISHERY UNIT

1/2

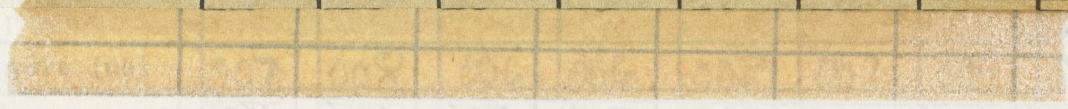
SPECIES WESTSLOPE CUTTHROAT LOCALITY ROSS CRK. → BLACKFOOT R. → CLARK FORK  
MISSOULA CO. MONTANA 49°10' N.E.

COLLECTED BY HAUGEN DATE T 14N R 17W  
?

Cat. # 22 Measurements by ROSCOE DATE 8-73

Specimen #

	1	2	3	4	5	6	7	8
Total L.	252	243	244	233	215	210	212	210
Standard L.	211	205	206	198	180	175	178	176
Body D								
Head L	53	58	50	47	52	44	46	48
Oroit L	14	16	13	13	14	12	13	12
Upper Jaw L	31	35	28	26	30	25	27	30
Dors. Orig. to Snt. tip	102	103	98	98	90	85	85	88
Dorsal fin basal L								
Dorsal fin depressed L	50	47	52	44	46	43	45	40
Adip. fin depressed L	20	18	17	17	18	17	17	18
Caudal peduncle D	24	23	21	21	21	20	19	19
Caudal peduncle L	22	23	36	33	30	30	29	28



Grid area for additional data or notes, mostly blank with some faint markings.



VERTEBRAE	N = 10	$\bar{x} = 40.8$	59/60/61/62 1/1/7/1
GILL RAKERS	N = 10	$\bar{x} = 18.8$	12/18/19/20/21 1/4/2/2/1
SCALES ABOVE LAT. L.	N = 10	$\bar{x} = 40.4$	38-42
SCALES 2 ROWS ABOVE LAT. L.	N = 10	$\bar{x} = 165.1$	150-176
PELVIC FIN RAYS	N = 10	$\bar{x} = 8.9$	8/9 1/9
PYLORIC CAECA	N = 9	$\bar{x} = 36.5$	29-42
DENTITION	N = 10	$\bar{x} = 13.1$	6-24







CHARACTER ANALYSIS SHEET - COLORADO COOPERATIVE FISHERY UNIT

2/2

SPECIES WESTSLOPE CUTTHROAT LOCALITY ROSS CRK → BLACKFOOT R. → CLARK FORK  
MISSOULA CO. MONTANA LOD N.E.  
T14N R17W

COLLECTED BY HAUGEN DATE \_\_\_\_\_

Cat. # 22 Measurements by ROSCOE DATE 8-73

Specimen #

	9	10					
Total L.	204	205					
Standard L.	171	172					
Body D							
Head L	43	46					
Oroit L	12	13					
Upper Jaw L	25	28					
Dors. Orig. to Snt. tip	84	87					
Dorsal fin basal L							
Dorsal fin depressed L	42	45					
Adip. fin depressed L	19	15					
Caudal peduncle D	20	19					
Caudal peduncle L	29	28					



[Faint, illegible text and grid lines from the reverse side of the page are visible through the paper.]























































N=18

h2kers  $\frac{17 | 18 | 19 | 20}{1 | 7 | 6 | 3}$  17-20 (18.7)

Scales above 35-40 (37.2)  
ser. 145-171 (157.0)

c2ec2 4B-57 (47.1)

teeth 1 w/o  
16 w/ 1-17 (8.6)























rakers N=33 

16	17	18	19	20	21
2	4	10	12	4	1

 16-21 (18.5)

scales <sup>N=33</sup> 2bone 34-42 (37.9)

149-181 (168.5)

<sup>N=33</sup> caeca 35-49 (41.0)

<sup>N=34</sup> Teeth 1 w/0

33 w/ 1-30 (9.4)















<u>n</u>		<u>Range</u>	<u>Mean</u>
33	1 arch gillrakers (up)	5-7 (2)	6.52
"	(lower)	10-14 (4)	11.93
"	(total)	16-21 (5)	18.45
"	Branchiostegal Rays right	9-13 (4)	11.21
	left	10-13 (3)	11.70
"	Dorsal Rays:	11-13 (2)	12.15
"	Anal Rays:	11-13 (2)	
"	Pectoral fin rays:	13-16 (3)	11.91
		15-16 (2)	14.61
"	Pelvic fin rays:	7-10 (3)	9.10
		7-10 (3)	9.10
"	Scales above l.l.:	34-42 (8)	37.91
			37.91
"	Scales 2 rows above l.l.:	149-181 (32)	168.55
"	Pyloric caeca:	35-49 (14)	40.73
34	Dentition:	1 w/ 0 33 w/ 1-30	9.4

pp 4 & 5 lack the data that's nec. for conversions computation



















Teeth in the Cutthroat  
Raymond Cr.

10-8

9-10

4-8

1-11 37

3-5

6-1

7-8

8-5

2-0

5-17 36

11-8 About 202

12-7 About 184

13-8 " 149

14-6 29

15-9

16-6

17-6 31

18-10

19-0

20-12 15

21-3

1972 Thomas Ft.

Raymond Crk. recount.

N = 21 2 w/o teeth

19 w 1-17 (7.0)

37

36

29

31

215

148

7.0

21 | 148

147

10



# 1976 Raymond Crk, teeth recou<sup>n</sup>t<sub>s</sub>

## Upper Raymond

3-9			
1-8	17		
2-7			
6-8?	15	43	$\frac{N}{6}$
5-5	11		
4-6			

## South Ft. Raymond

6-7
3-6
1-1
5-10
2-8
4-2

## Lower Raymond

$\frac{N}{6}$  34

3-18	14-4	
2-6	15-3	$\frac{N}{19}$ 98
1-10		
12-1		
6-4		
8-6		
11-3		
7-10		
9-4		
4-8		
5-0		
8-4		
16-5		
7-4		
10-2		
13-4		
10-7	- two tens	
9-5		

98  
34  
43  
175

$\frac{5.7}{31}$  175  
155  
200

31-32

1-18  $\bar{x}$  5.7