

SPECIES Salmo clarki stonias LOCALITY Forest Canyon at Gorge Creek, RMNP

COLLECTED BY Bruce Rosenlund DATE _____

Cat. # _____ Measurements by Eric Wagner DATE 12-14-82

Specimen #	1	2	3	4	5	6	7	8	9
Total L.	180	207	161	157	198	191	140	208	187
Standard L.	150	172	135	129	165	160	116	172	155
Body D									
Head L.									
Orbit L.									
Upper Jaw L.									
Dors. Orig. to Snt. tip									
Dorsal fin basal L.									
Dorsal fin depressed L.									
Adip. fin depressed L.									
Caudal peduncle D									
Caudal peduncle L									
Vertebrae									
1st Arch gillrakers (up)	9/14	7/4	7/2	7/3	8/2	9/4	7/1	7/2	7/2
(lower)	13/10	11/3	10/7	13/4	12/3	13/4	11/4	13/3	11/5
(total)	22	18	17	20	20	22	18	20	18
Branchiostegal rays right									
(left)									
Dorsal rays									
Anal rays									
Pectoral fin rays									
Scales in lateral line									
Scales above lateral line									
Scales 2 rows above lat.	208	183	198	187	194	206	194	190	186
Pelvic fin rays									
Pyloric caeca	37	36	37	52	52	28	33	36	32
Dentition	3	0	10	11	5	14	5	13	12
<u>Uniform with good cutthroat spotting</u>									

	\bar{x}	SD
Tot. L	181	
Std L	150.4	19.81

Gillck.	7.6/2.7	.88
	11.9/4.8	1.17
	19.4	1.81

Lat.	194.0	8.70
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Caeca	38.1	8.39
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with	8.1	4.96
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SPECIES Salmo clarki LOCALITY Forest Canyon RMNP CO
 COLLECTED BY Bruce Rosenlund DATE 9/11/80
 Cat. # _____ Measurements by Eric Wagner DATE 12-15-81
 Specimen # _____

	1	2	3	4	5	6	\bar{x}	SD
Total L.	205	203	206	216	200	205	205.8	3.42
Standard L.	171	167	171	180	165	168	170.3	5.28
Body D								
Head L.								
Orbit L.								
Upper Jaw L								
Dors. Orig. to Snt. tip								
Dorsal fin basal L								
Dorsal fin depressed L								
Adip. fin depressed L								
Caudal peduncle D								
Caudal peduncle L								
Vertebrae								
1st Arch gillrakers (up)	8/3	8/2	8/4	7/4	8/2	7/3	7.7/3.0	
(lower)	13/6	13/1	12/10	12/4	12/6	13/6	12.5/5.5	
(total)	21	21	20	19	20	20	20.2	.75
Branchiostegal rays right								
(left)								
Dorsal rays								
Anal rays								
Pectoral fin rays								
Scales in lateral line								
Scales above lateral line								
Scales 2 rows above lat.	197	180	190	211	190	189	192.8	10.4
Pelvic fin rays								
Pyloric caeca	33	40	31	36	35	47	37.0	5.76
Dentition	5	11	3	0	8	15	7.0	5.48
uniform spotting with relatively large spots throughout, though concentrated posteriorly								

SPECIES Salmo clarki stonias LOCALITY Big Thompson - Forest Canyon, Raspberry Park CO

COLLECTED BY Bruce Rosenlund DATE 1980

Cat. # _____ Measurements by Eric Wagner DATE 12-16-82

Specimen #	9	10	11	12	13	14	\bar{x}	SD
Total L.	140	184	202	122	214	190	193.1	33.48
Standard L.	117	154	169	101	178	159	161.4	28.12
Body D								
Head L.								
Orbit L.								
Upper Jaw L.								
Dors. Orig. to Snt. tip								
Dorsal fin basal L.								
Dorsal fin depressed L.								
Adip. fin depressed L.								
Caudal peduncle D.								
Caudal peduncle L.								
Vertebrae								
Ist Arch gillrakers (up)	6/1	8/2	7/3	9/3	7/3	9/3	7.8/4.0	
(lower)	11/0	12/6	11/1	13/8	12/11	12/7	11.4/5.2	
(total)	17	20	18	22	19	21	19.9	1.51
Branchiostegal rays right								
(left)								
Dorsal rays								
Anal rays								
Pectoral fin rays								
Scales in lateral line								
Scales above lateral line								
Scales 2 rows above lat.	178	204	188	198	191	203	192.9	9.56
Pelvic fin rays								
Pyloric caeca	37	34	43	38	45	39	31.8	12.35
Dentition	0	9	7	2	15	13	7.1	5.05

Some variability in spotting
 but spots are typical size + shape for *stonias*
 all specimens have spots throughout body, some having
 greater densities than others

	\bar{X}	Std Dev
Total L	199.2	22.48
Std L	172.6	26.75

Gills up/rear	7 / 4.4	.5 / 1.42
L	12 / 6.8	.7 / 3.03
total	19.0	1.0

Lat sc.	200.6	9.29
caeca	39.4	4.82
teeth	9.8	5.49

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SPECIES Salmo clarki stomias LOCALITY Forest Canyon 10500'
RMNP, CO
 COLLECTED BY Bruce Rosenlund upstream from Avalanche chute in uppermost fish meadow
 DATE 9-11-80
 Cat. # _____ Measurements by Eric Wagner DATE 12-15-82

Specimen #	9	10	11	12	13	14	\bar{x}	SD
Total L.	127	195	121	156	221	199	183.4	36.25
Standard L.	105	161	100	131	185	167	152.9	30.86
Body D								
Head L.								
Orbit L.								
Upper Jaw L								
Dors. Orig. to Snt. tip								
Dorsal fin basal L								
Dorsal fin depressed L								
Adip. fin depressed L								
Caudal peduncle D								
Caudal peduncle L								
Vertebrae								
1st Arch gillrakers (up)	8/5	7/5	7/2	7/3	7/4	7/2	7.0	3.4
(lower)	12/9	12/4	10/7	12/8	11/8	11/6	11.5	6.4
(total)	20	19	17	18	18	18	18.43	.85
Branchiostegal rays right								
(left)								
Dorsal rays								
Anal rays								
Pectoral fin rays								
Scales in lateral line								
Scales above lateral line								
Scales 2 rows above lat.	186	200	192	205	197	190	192.6	6.84
Pelvic fin rays								
Pyloric caeca	36	35	38	31	29	31	32.0	9.18
Dentition	3	9	3	2	8	9	7.1	3.73

Spotting in uniform between specimens
 large round spots typical of *stomias* concentrated towards tail, but distributed throughout the body
 largest specimen (#4) has small round black spots antero dorsally

