Collector: Roach

TEST NETTING

Water: Jan Lake
Location:
Dates: April 7 & 13, 1970
Total Hours Fished:

Gear Used: Hook & Line
Temperature: Air Water
Weather:
Depth of Set: to

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.

Jan Lake — April 7 & 13, 1970

4758
1458 ÷ 8

No.	Species	Length	Weight	Maturity
1	SS	182 mm		♀
	"	184		♂ Imm.
	"	216		♀ Imm.
	RT	381		♀ Ripe
	SS	189		♂
	"	184		♀
	"	161		♂
	"	200		♂
	"	190		♂
	"	210		♂
	"	184		♂
	"	170		♂
	"	200		♀
14	RT	355		♂

Degree of Maturity

Specie	No.	Sex	Mean Length
SS	4	♀	196
SS	8	♂	186

Increase in average length from April 10 - July 10 ≅ 31 mm/month

12 SS 161-216 mm - mean length = 189
2 RT 355-381 mm - " " = 368

TEST NETTING

Water: Jan Lake
Location: West Shore
Dates: 7-10-70
Total Hours Fished: 18

Gear Used: 125' Gill Net
Temperature: Air Water
Weather:
Depth of Set: 1' to 6'

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.

Jan 2

Net # 1

No.	Species	Length (mm)	Weight (lbs.)	Maturity	Degree of Maturity
	SS	195	.22		
		240			
		233			
		210			
		198			
		203			
		229			
		240			
		228			
		215		4.28 Total	weight
		225			
		251	.36		
		212			
		220			
		222			
		209			

TEST NETTING

Water: Jan Lake
Location:- West Shore
Dates: 7-10-70
Total Hours Fished: 18 hrs.

Gear Used:
Temperature: Air Water
Weather: Partly Cloudy
Depth of Set: 1 to 6'

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.

Jan 2.

Net #1

No.	Species	mm Length	(lbs) Weight	Maturity	Degree of Maturity
1	RT	382	1.25	♀	Ripe (nearly spent)
		398	1.78	♀	Ripe
		401	1.60	♂	Spent
		315	.64	♀	Ripe
		208	.26		
		194			
		200			
		210	Total Wt: 1.18		
		168			
		192			
		183			
12		199	.22		

3710 ÷ 20 = 186

TEST NETTING

Water: Jan Lake
Location: North Shore
Dates: 7-10-70
Total Hours Fished: 18

Gear Used: 125' Gill Net
Temperature: Air Water
Weather: Partly Cloudy
Depth of Set: 2' to 8'

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.

Jan L.

Net # 2

No.	Species	Length	Weight	Maturity
	RT	423	2.10	♀
		341	1.20	♀
		352	1.15	♀
		382	1.40	♀
		335	.62	♂
		200	.24	
		202		
		176		
		185		
		167		
		165	1.74 = Total Wt.	
		193		
		170		
		165		
		196		
		167		
		176		
	SS	235	Total Wt. for all	
		232	49 SS = 12.72 lbs.	
		228		
		243		
		235		
		213		
		208		

Degree of Maturity

Spent

Ripe

Ripe

thin

SS continued

Length	Length	Length
233	210	213
205	201	228
220	213	225
232	223	195
230	213	247
235	215	231
228	210	215
210	236	228
233	241	235
233	237	200
232	213	220
233	224	213
215	210	220
232	230	215

JAN LAKE 7-10-70

	No	Total mm	Length Range	Average Length
SS	65	14,456	195-251 mm	222
RT	29	7,039	165-~~423~~	243

$$65 \overline{)14,456} = 222$$

130

145

130

156

130

26

$$29 \overline{)7039} = 242$$

58

123

116

79

58

21

228

65 200

13100

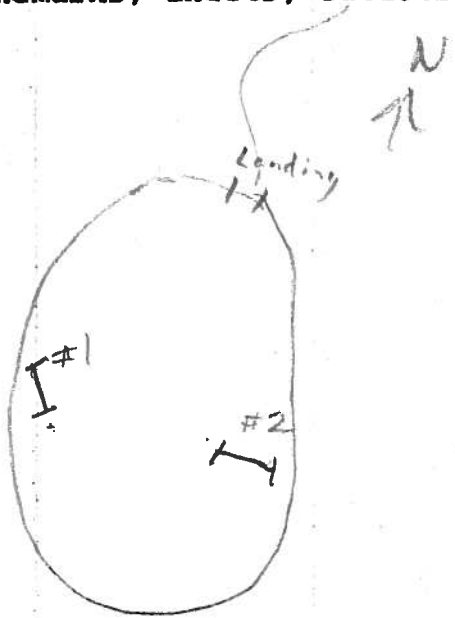
14

TEST NETTING

Water: Jan L.
Location:-
Dates: 6-2-71
Total Hours Fished: 22 hrs. 44 total net hrs.

Gear Used: 2 - 125' Gill Nets
Temperature: Air Water 62°
Weather: P. Cloudy, Windy
Depth of Set: to

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.



Jan 6-2-71

No.	Species	Length	Weight	Maturity	Degree of Maturity
1	RT	355	1.70	♀ Ripe	Stomach empty
	RT	394	1.48	♀ Ripe	" "
		415	1.65	♀ "	" "
		449	2.00	♂ "	snails & inver.
		445	2.24	♂ "	empty
		410	1.72	♂ "	snails & invertebr.
		447	2.01	♂ "	
		405	1.40	♂ "	
		392	1.40	♂ "	
		360	1.10	♂ "	
		343	.92	♂ "	
		368	1.10	♂ "	
13	RT	283	.62	♂ "	69 plant
1	SS	275	.44	♀	Spawn this fall
		285	.54	♂	" " "
		295	.56	♀	"
		295	.50	♂	"
		300	.58	♀	"
		295	.58	♀	"
		292	.58	♀	
		285	.56	♀	
		267	.40	♂	

5 | 1358

7 | 2037

no.	sex	mean length
7	♀	= 291 mm
5	♂	= 272 mm

Jan (cont.) 6-2-71

	Species	Length	Weight	Maturity		Degree of Maturity	
	SS	266	138	♂			
	"	295	150	♀			
12	"	245	138	♂			
	RT	260	150	♂	Imm	Spawned last spring	69 plant
	RT	282	160	♀	"	" " "	

All but one fish SS caught in set #1

825 ÷ 3 =

TEST NETTING

Water: Jan Lake (cont.) Gear Used:

Location: Temperature: Air Water

Dates: 6-2-71 Weather:

Total Hours Fished: Depth of Set: to

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.

RT
3738
15|5608
45
110
105
58
45
130
120

SS
282.9
12|3395
24
99
96
35
24
110
108

.340
44|15.00
132
180
176
40

.555
27|15.000
135
150
135

94
100 100
55.56
44.44

-5
12|6.00 rounds
60

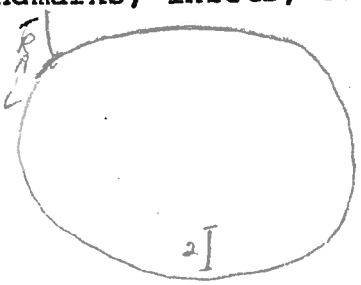
.2729
2
44|12.000
88
320
308
120
88
32

TEST NETTING

Water: JAN
Location:
Dates: 8-2 — 8-3-72
Total Hours Fished: 15 HRS
30 total net hrs.

Gear Used: 125' GN
Temperature: Air 65° Water
Weather: CLEAR
Depth of Set: 4' to 18'

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.



Species	No.	Length Range	Length mean
RT	49	194-427	243

NET #2

No.	Species	Length	Weight	Maturity	Degree of Maturity
1	RT	427	2.43	♂* NEXT YR SPAWNER	DRAGON FLY NYMPHS (2) SNAILS (LOTS)
2	RT	408	1.92	♂ NEXT YR SPAWNER	SNAILS (FEW) TPWORMS
23	RT	393	1.71	♂	FULL OF EGG SNAILS
24	RT	208	.06	IM	DRAGON FLY NYMPH - DIGEST INSECT REMAINS FRESH WATER CLAM
25	RT	251	.141	↓	EMPTY
26	RT	203	.06		DRAGON FLY NYMPH — SNAILS
27	RT	205	.34		VEGETATION
28	RT	219	.32		—
29	RT	215	.32		SNAIL & ZOOPLANKTON
30	RT	235	.35		DRAGON FLY NYMPH — TPWORMS
31	RT	207	.26		EMPTY
32	RT	194	.20		—
33	RT	220	.29		UNIDENTIFIABLE ORGANIC MATTER
34	RT	215	.28		SNAILS
35	RT	225	.31		SNAILS
36	RT	210	.28		VEGETATION & DRAGON FLY NYMPH TPWORMS
37	RT	201	.23		BEETLE - TERRESTIAL FLY

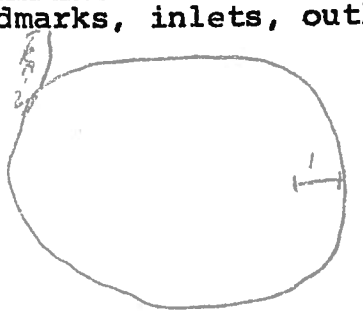
* NEXT YR SPAWNER: FISH WILL SPAWN FOR 1ST TIME NEXT YR.

TEST NETTING

Water: JAN
Location:
Dates: 8-2 — 8-3-72
Total Hours Fished: 15 HRS

Gear Used: 125' EXP
Temperature: Air 65° Water
Weather: CLEAR
Depth of Set: 4' to 20'

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.



NET #1

No.	Species	Length	Weight	Maturity	Degree of Maturity
3	RT	420	1.85	♂ BECOMING MATURE	SNAIL (LOTS)
4	RT	399	1.66	♂ MATURE	SNAILS (LOTS)
5	RT	361	1.43	♂	SNAILS
6	RT	366	1.33	♂ PREVIOUS SPAWNER	SNAILS
7	RT	240	.41	IM	SNAILS
8	RT	208	.26	↓	200↑ PHYTO PLANKTON
9	RT	233	.35		TPWRMS - SNAILS (FEW)
10	RT	204	.28		DAFFNIA
11	RT	241	.42		EMPTY - SNAILS IN INTESTINES
12	RT	230	.38		EMPTY
13	RT	239	.37		TPWRMS - EMPTY - MEDIAN FIN BETWEEN PELVIC FINS
14	RT	214	.28		200↑ PHYTO PLANKTON
15	RT	217	.30		DAFFNIA - GRASSHOPPER LEG - MAYFLY
16	RT	220	.31		SNAILS
17	RT	221	.30		GRASSHOPPER - INSECT REMAINS
18	RT	209	.28		SNAILS ZOOPLANKTON
19	RT	220	.31		TPWRMS - EMPTY
20	RT	217	.32		EMPTY
21	RT	203	.24		TPWRMS - ORGAN VEGETATIVE MATTER
22	RT	195	.21		TPWRMS EMPTY

TEST NETTING

Water: JAN
Location:
Dates: 8-2 →
Total Hours Fished: 2 HRS (counted in 15 overnight)

Gear Used: 2 125' x 6' x 6.5'
Temperature: Air ____ Water ____
Weather: PARTLY CLOUDY
Depth of Set: #1 4' to 20'
#2 4' to 18'

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.



NET	No.	Species	Length	Weight	Maturity	Degree of Maturity
#2	1	RT	205	.26	IM	
↓	2	↓	231	.37	↓	
	3		215	.28		
	4		226	.31		
#1	5		211	.28		
	6		205	.24		
	7		233	.36	IM	
	8		225	.35		
	9		205	.28		
	10		224	.29		
	11		250	.34		
	12		199	.22		

Specie	No.	Length Range	Length Mean	Weight Range	Weight Mean
SS	22	133 - 1[illegible]	144.9	25.6 — 43.4	[illegible].23 (.08 lbs)
RT	30	228 - 335	270.87	139.5 — 485.7	260.25 (.58 lbs.)

TEST NETTING

Water: LAN
Location:
Dates: 7-10-73
Total Hours Fished: 14½
29 total net hrs.

Gear Used: 2 125' EXP
Temperature: Air ____ Water ____
Weather: CLEAR
Depth of Set: 6' to 15'
5' to 15'

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.



	No.	Species	Length	Weight	Maturity		Degree of Maturity
#1 ½ NR. 7-10	1	RT	278	(240.4) 5 3 LBS	♂	im	
	2	RT	290	(299.4) 66 oz	♂	im	SNAILS
#2 ½ NR 7-10	3	RT	265	(295.0) [illegible]	♂	m	SNAILS
	4	SS	149	37.7 g	♂	im	
#1 CONT FROM ABOVE 7-10	5	SS	142	35.5	♂	im	
	6	↓	144	31.0	♂	↓	
	7		147	41.1	♂		
	8		133	25.6	♂		
	9		147	39.0	♂		
	10		147	34.8	♂		
	11		143	37.6	♂		
NET #2 7-11 14 HRS	12	SS	149	41.4	♂		
	13	↓	142	34.1	♂		NOT SAVED
	14		143	39.8	♂		
	15		148	35.7	♂		
	16	↓	147	37.2	♂		
	17	RT	231	139.5	♂	im	
	18	RT	253	186.3	♂	m	
	19	RT	252	230.0	♂		
	20	↓	249	200.0	♂	im	
	21		281	294.4	♂		
	22		302	387.3	♂		
	23		306	358.8	♂		
	24	↓	335	485.7	♂		FULL OF EGGS

TEST NETTING

Water: JAN CON'T.
Location: _____
Dates: _____
Total Hours Fished: _____

Gear Used: _____
Temperature: Air _____ Water _____
Weather: _____
Depth of Set: _____ to _____

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.

	No.	Species	Length	Weight	Maturity	Degree of Maturity
NET #1 14 HRS	25	SS	147	38.2	ot	
	26	↓	143	36.1	im	
	27		143	38.5	ot	
	28		147	41.9	ot	
	29		146	40.7	ot	
	30		145	37.7	im	
	31		150	43.4	im	
	32		138	34.0	ot	
	33		148	38.3	ot	
	34	RT	240.	165.5	im	
	35	↓	228	148.0	ot	
	36		242	170.8	ot	
	37		251	170.7	ot	
	38		242	180.7	ot	
	39		255	234.0	im	
	40		243	183.2	ot	
	41		263	214.5	im	
	42		257	221.0	ot	
	43		266	223.5	ot	
	44		247	207.8	ot	
	45		273	274.1	ot	
	46		264	255.3	ot	
	47		287	280.5	im	
	48		310	311.5	im	
	49		292	326.5	im	
	50		284	332.2	ot	
	51		293	367.8	im	
	52	↓	295	361.7	ot	

Silvers	S R	L R
21	26	5
41	32	16
52	42	12
49	66	12
59	60	6
25	30	4
34	44	3
	40	9
329 ✓	340 ✓	67 ✓

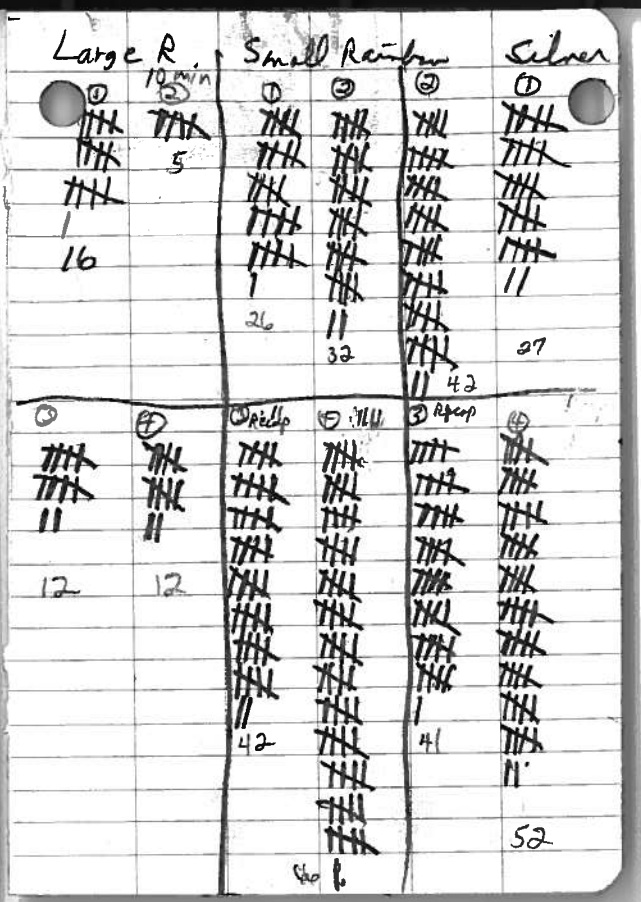
9/21/73

night shocking

8 - 10 minute runs 8 PM - 12:30 AM

3 amps, 450 volts

fish marked with adipose clip.



44 acres

Jan Lake
Fish Population Estimate

9/21/73

Made 8 - 10 minute runs (8 - 12:30 AM) using boat shocker (3 amps, 450 v). All fish captured (except limited mortality) were marked with an adipose fin clip and returned to the lake away from the shoreline. Fish were seperated into 3 categories: 1) large rainbows (2+ & older), 2) small rainbows (stocked in 1973) and silver salmon. The number marked respectively were: 67, 340 and 329

9/25/73

After four days Jan L. was resampled with the boat shocker to examine for marked fish. Four runs were made (2 - 15 min. & 2 - 25 min.) after darkness. Fish captured were as follows: 47 large RT of which 9 were marked; 277 small RT of which 44 were marked; and 166 silver salmon of which 29 were marked.

An equal amount of shocking effort on the 25th captured 30% fewer large RT, 19% fewer small RT and 50% fewer silver salmon. It was noted that the silver salmon recovered less readily than did the RT.

W.T. = 46° F @ 12:30 AM

Jan Lake

No. of Fish Marked on 9/21/73 — Lg. RT = 67; Sm. RT = 340; SS = 329

Fish examined on 9/25/73 were as follows

Large RT (2+ and older) = 47 examined of which 9 were recaps.
Small RT (stocked in 1973 = 277 " " " " 44 " "
SS (stocked in 1972) = 166 " " " " 29 " "

Lg. RT $N = \frac{67 \times 47}{9} = \frac{3149}{9} = \boxed{350}$

Sm. RT (0+) $N = \frac{340 \times 277}{44} = \frac{94,180}{44} = \boxed{2,140}$

26.1 % survival from 8,200 stocked in 1973

SS (1+) $N = \frac{329 \times 166}{29} = \frac{54,614}{29} = \boxed{1,883}$

23.5 % survival from 8,000 stocked in '72

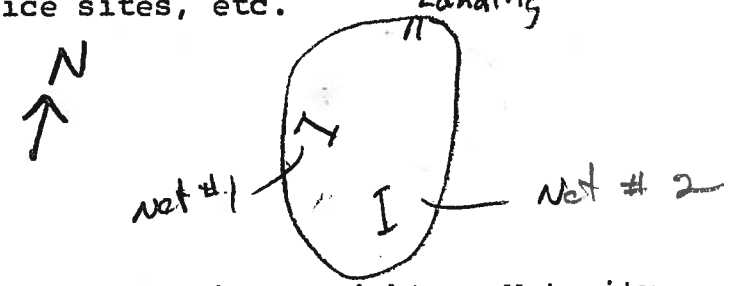
	No. Captured on 9/21/73	%	No. Captured on 9/25/73	%
Lg. RT	67	9.1	47	9.6
Sm. RT	340	46.2	277	56.5
SS	329	44.7	166	33.9
	736	100.0	490	100.0

TEST NETTING

Water: Jan
Location:
Dates: 12/18/73
Total Hours Fished: 25 hrs.
50 total net hrs.

Gear Used: 2 - 125' gill nets
Temperature: Air ____ Water ____
Weather:
Depth of Set: ____ to ____

Sketch: Outline of lake, landmarks, inlets, outlets, weedbeds, public service sites, etc.



No.	Species	Length	Weight	Maturity	Degree of Maturity
None marked	S.S.	175	.12	immature	
	S.S.	172	.14	male	
	S.S.	155	.11	immature female	
	S.S.	150	.10	immature male	
	S.S.	195	.17	female	(immature)
	S.S.	172	.15	male	"
	S.S.	196	.18	imm. ♀	
1 of the 4 R.T. marked	R.T.	243	.34	imm. ♂	
	R.T.	255	.51	ripe ♂	
	R.T.	282	.61	mat. ♂	
	R.T.	281	.58	imm. ♂	
Net #2	S.S.	178	.14	imm. ♀	None marked
	S.S.	178	.15	imm. ♀	
	S.S.	168	.13	imm. ♀	
	R.T.	250	.38	imm. ♀	None marked
	R.T.	339	1.20	imm. ♀	

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF SPORT FISH

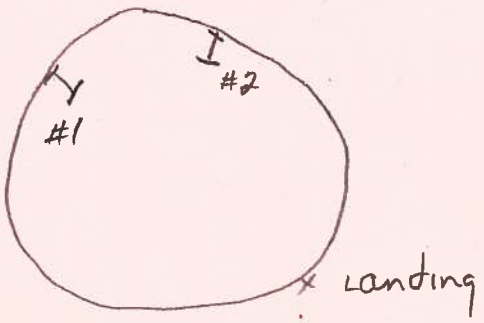
Test netting
~~SUPPLEMENTAL~~ DATA

8-14 — 8-15-75

NAME Jan Lake

LOCATION _____

40 total net hrs.



net	no.	species	length	sex	stomach
#1	1	RT	297	♂	insects
	2	SS	247	?	insect larvae
	3	RT	301	♂	insect, snails
	4	RT	287	?	insects
	5	SS	163	?	insects
#2	6	SS	168	Immature	empty
	7	SS	168	immature	empty
	8	SS	162	immature	empty
	9	RT	260	♂	snails
	10	RT	320	♂	insects
	11	RT	368	♂	snail
		6 RT	260-368		
		5 SS	162-247		

BY _____ DATE _____

2/69
FG-213

Jan Lake

2 gill nets set @ 2 PM 9/14/96
lifted @ noon 9/15/96
Total Hrs. = 44

RT	RT	SS
332	6 (87-96 mm)	242
343	+ 2 more released	242
354		253
360		261
365		247
351		241
328		242
355		252
368		255
357		+ 1 released

+ 3 more released alive

	No.	Length (mm) Range	$\bar{x}$	Freq.
RT	8	87-96	-	0.18
RT	13	328-368	351	0.30
SS	10	241-261	248	0.23

Test Netting

JAN LAKE

9/16/77

2 exp. gill nets (green mono), 48 total net hrs. fog. .125 feet/hr.

& RT:

	Age		
281	1+	net #1 (south end)	& RT
411	~~3+~~ 4+	net #2 (north end)	0
312	1+		no RT stocked in 1974
262	1+		
310	1+		
312	1+		

$\bar{l}_x = 314.7$

(12.3 inches)

water temp. 12.5°C

Jaw L.

RT

2 nets

set 9 AM
picked 2 PM

58 net hrs

9/14/78

RT

8 RT

450 mm	♂	Mat.
466 mm	♀	Retained Eggs
495 mm	♀	Mat

Scales

444	♂	Mat.
467	♀	
405	♀	Mat
448	♀	Mat.
473	♂	Mat. Water Boatmen

9-7-79

2 Nets Set 12:15 PM 9-6-79
" Lifted 8 AM 9-7-79

Total Net Hrs. = 40.

Lake Jan

Specie	mature	Length	sex	Weight
RT	mat	532	♂	3.70
RT	mat	465	♀	2.90

	No.	x length		Fact.	Freq.
RT	2	~~465-532~~ ~~500~~ 499	2.90 - 3.70	3.3	0.05

1 fish caught in each net.

Stocked: 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1962, 1963, 1964, 1965, 1966, 1969, 1971

Species	Location	Date	Weight	Sex	Fork length	Age
Rainbow Trout	Jan	8/3/72	.20		194	1+
		" "	.21		195	1+
		8/2/72	.22		199	1+
		8/3/72	.23		201	1+
		" "	.24		203	1+
		" "	.26		203	1+
		" "	.28		204	1+
		8/2/72	.26		205	1+
		" "	.24		205	1+
		8/2/72	.24		205	1+
		8/3/72	.26		207	1+
		" "	.26		208	1+
		" "	.26		208	1+
		" "	.28		209	1+
		" "	.28		210	1+
		8/2/72	.28		211	1+
		8/3/72	.28		214	1+
		8/2/72	.28		215	1+
		8/3/72	.28		215	1+
42 86% 1+		" "	.32		215	1+
7 14% 3+		" "	.30		217	1+
49		" "	.32		217	1+
		" "	.32		219	1+
		" "	.31		220	1+
		" "	.31		220	1+
		" "	.29		220	1+
		" "	.30		221	1+

Species	Location	Date	Weight	Sex	Fork length	Age
Rainbow Trout	Jan	8/2/72	.29		224	H
		8/3/72	.34		225	H
		8/2/72	.35		225	H
		8/3/72	.31		225	H
		8/2/72	.31		226	H
		8/2/72	.34		230	H
		8/3/72	.38		230	H
		8/2/72	.37		231	H
		8/3/72	.35		233	H
		8/2/72	.36		233	H
		8/3/72	.35		235	H
		8/3/72	.37		239	H
		" "	.41		240	H
		" "	.42		241	H
		" "	.44		251	H
		" "	1.43	♂	361	3+
		" "	1.33	♀	366	3+
		" "	1.71	♀	393	3+
		" "	1.66	♂	399	3+
		" "	1.92	♂	409	3+
		" "	1.85	♂	420	3+
		" "	2.43	♀	427	3+

mean length 1+ RT = 9148 ÷ 42 = 217.81

2774 ÷ 7 = 396.29