EXPERIMENTAL NET SET RECORD

SET NO. 1 LAKE ~~Little Stock~~ Acc LOCATION OF LAKE _____

WEATHER Rain - Overcast LOCATION OF SET (station) Net #1

TEMP. AIR 57 ° WATER (surf.) 63 ° TYPE OF BOTTOM Mud

WATER (bottom) _____ ° TYPE OF SET: FLOATER: _____ DIVER: X

NET TYPE VM LENGTH 125 SET: TIME ~~1400~~ 1400 DATE 8/16/60

MESH SIZE 3/4-2" DEPTH 6 LIFT: TIME 1215 DATE 8/17/60

OBSERVER Kelly K + Reynolds DEPTH OF SET (diver) 3 ft. to 14 ft.

BOTTOM DEPTH (floater) _____

REMARKS No Fish Caught SHALLOW END MESH SIZE Small-Shore

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1										
2										
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EXPERIMENTAL NET SET RECORD

ARC

SET NO. 2 LAKE ~~Upper Saranac~~ LOCATION OF LAKE Mile 100 - Sterling

WEATHER Rain - Overcast LOCATION OF SET (station) #1

TEMP. AIR 54 ° WATER (surf.) 61 ° TYPE OF BOTTOM Mud

WATER (bottom) ° TYPE OF SET: FLOATER: DIVER: X

NET TYPE VM LENGTH 125 SET: TIME ~~1030~~ 1215 DATE 8/17/60

MESH SIZE 3/4 - 2" DEPTH 6 LIFT: TIME 1000 DATE 8/18/60

OBSERVER Kubik & Reynolds DEPTH OF SET (diver) 3 ft. to 14 ft.

BOTTOM DEPTH (floater)

REMARKS No Fish Caught SHALLOW END MESH SIZE SMALL → LARGE

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1										
2										
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EXPERIMENTAL NET SET RECORD

SET NO. 1 LAKE ~~Upper Stillwater~~ Rec LOCATION OF LAKE ~~Mile 100 - Starling~~

WEATHER ~~Hot - Clear - Still~~ LOCATION OF SET (station) ~~#2~~

TEMP. AIR ~~89~~ ° WATER (surf.) ~~61~~ ° TYPE OF BOTTOM ~~Mud~~

WATER (bottom) ____ ° TYPE OF SET: FLOATER: ~~x~~ DIVER: ____

NET TYPE ~~VM~~ LENGTH ~~125~~ SET: TIME ~~1010~~ DATE ~~8/13/60~~

MESH SIZE ~~3/4 - 2"~~ DEPTH ~~6~~ LIFT: TIME ~~1050~~ DATE ~~8/14/60~~

OBSERVER ~~Wells + Reynolds~~ DEPTH OF SET (diver) ____ ft. to ____ ft.

BOTTOM DEPTH (floater) ~~9-11 feet~~

REMARKS ~~No fish caught~~ SHALLOW END MESH SIZE ~~Small - Shore~~

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
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EXPERIMENTAL NET SET RECORD

MEC

SET NO. 3 LAKE ~~Hog~~ Sterling LOCATION OF LAKE Mile 100 - Sterling

WEATHER Wind LOCATION OF SET (station) #1

TEMP. AIR 58 ° WATER (surf.) 61 ° TYPE OF BOTTOM Mud

WATER (bottom) ° TYPE OF SET: FLOATER: X DIVER:

NET TYPE VM LENGTH 125 SET: TIME 1000 DATE 8/18/60

MESH SIZE 3/4 - 2" DEPTH 6 LIFT: TIME 1100 DATE 8/19/60

OBSERVER Hall + Reynolds DEPTH OF SET (diver) 3 ft. to 14 ft.

BOTTOM DEPTH (floater)

REMARKS No Fish Caught SHALLOW END MESH SIZE SMALL — Shore

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1										
2										
3										
4										
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6										
7										
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ALASKA DEPARTMENT OF FISH AND GAME

Division of Sport Fish
Gill-Net Sampling Record

Set No.: 1 Lake Arc Location of Set South end of lake

Weather Clear Type of Bottom

Temp.: Air ____° Water (Surf.) 69 ° Water (Bottom) ____°

Type of Set: Floater: X Diver:

Net Type Mono. fil. Length 125' Set: Time 12:30 pm Date 7/29/67

Mesh Size 3/4" to 2" Depth 6' Lift: Time 10:15 am Date 7/30/67

Observer Engel and Payne Depth of Set (diver) ____ ft. to ____ ft.

Bottom Depth (floater) 4' to 10'

Remarks Shallow End Mesh Size shoreward

Conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	Rainbow	275	0.64	♀	290.3					
2	RB	257	0.50	♂	226.8					
3	RB	260	0.51	♂	231.3					
4	RB	245	0.44	♂	199.6					
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X=2 89 mm
catch/hour = .27

ALASKA DEPARTMENT OF FISH AND GAME

Division of Sport Fish
Gill-Net Sampling Record

Set No.: 1 Lake Arc Location of Set South end of lake

Weather Mostly cloudy Type of Bottom Muck

Temp.: Air ____ ° ____ Water (Surf.) 49 ° ____ Water (Bottom) ____ ° ____

Type of Set: Floater: X Diver: ____

Net Type Vari. mesh mono Length 125' Set: Time 4:45 pm Date 9/26/67

Mesh Size 3/4" to 2" Depth 6' Lift: Time 9:30 am Date 9/27/67

Observer Engel Depth of Set (diver) ____ ft. to ____ ft.

Bottom Depth (floater) 6'

Remarks ____ Shallow End Mesh Size shoreward

conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	Rainbow	293	0.72	♂	326.6					
2	Rainbow	290	0.71	♀	322.1					
3										
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ALASKA DEPARTMENT OF FISH AND GAME

Division of Sport Fish
Gill-Net Sampling Record

Set No.: 2 Lake Arc Location of Set North end of lake

Weather Mostly cloudy Type of Bottom Muck

Temp.: Air ____° ____ Water (Surf.) 49 ° ____ Water (Bottom) ____° ____

Type of Set: Floater: X Diver: ____

Net Type Vari. mesh mono Length 125' Set: Time 5:00 p.m. Date 9/26/67

Mesh Size 3/4" to 2" Depth 6' Lift: Time 9:45 a.m. Date 9/27/67

Observer Engel Depth of Set (diver) ____ft. to ____ft.

Bottom Depth (floater) 6'

Remarks ____ Shallow End Mesh Size shoreward

conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	Rainbow	312	0.80	♀	362.9 K					
2	RB	306	0.76	♂	344.7					
3	RB	284	0.62	♂	281.2					
4	RB	283	0.72	♂	326.6					
5	RB	283	0.60	♀	272.1					
6	RB	277	0.59	♂	267.6					
7	RB	269	0.49	♂	222.3					
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EXPERIMENTAL NET SET RECORD

SET NO. 1 LAKE Arc LOCATION OF LAKE Kenai Peninsula

WEATHER cloudy LOCATION OF SET (station) see map

TEMP. AIR ____ ° ____ WATER (surf.) 45 ° F TYPE OF BOTTOM silt covered rock & muck

WATER (bottom) ____ ° TYPE OF SET: FLOATER: x DIVER: ____

NET TYPE multi fil. LENGTH 125' SET: TIME 12:00 DATE 9/26/68

MESH SIZE 3/4 to 2" DEPTH 6' LIFT: TIME 10:25 a.m. DATE 9/27/68

OBSERVER Engel & McHenry DEPTH OF SET (diver) ____ ft. to ____ ft.

BOTTOM DEPTH (floater) 4" to 10'

REMARKS ____ SHALLOW END MESH SIZE 3/4 "

conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	Rainbow	376	1.67	im ♀	757.5					
2	Rainbow	335	1.14	im ♂	517.1					
3										
4										
5										
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1

1956 plant
$\bar{X}$ = 373.7 mm
$\bar{X}$ = 1.61 lb

EXPERIMENTAL NET SET RECORD

SET NO. 2 LAKE Arc LOCATION OF LAKE Kenai Peninsula

WEATHER cloudy LOCATION OF SET (station) see map

TEMP. AIR ____ ° ____ WATER (surf.) 45 ° F TYPE OF BOTTOM muck

WATER (bottom) ____ ° ____ TYPE OF SET: FLOATER: x DIVER: ____

NET TYPE mono fil. LENGTH 125' SET: TIME 12:15 p.m. DATE 9/26/68

MESH SIZE 3/4 to 2" DEPTH 6' LIFT: TIME 10:30 a.m. DATE 9/27/68

OBSERVER Engel & McHenry DEPTH OF SET (diver) ____ ft. to ____ ft.
BOTTOM DEPTH (floater) 4' to 7'

REMARKS ____ SHALLOW END MESH SIZE 3/4"

conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	Rainbow	380	1.93	im ♂	875.4					
2	RB	373	1.60	im ♀	725.7					
3	RB	379	1.59	im ♂	721.2					
4	RB	387	1.71	im ♂	775.6					
5	RB	385	1.60	im ♀	725.7					
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1968 plant
$\bar{X}$ = 248.6 mm FL
$\bar{X}$ = 0.45 lbs
N = 12

1966 plant
$\bar{X}$ = 423.0 mm FL
$\bar{X}$ = 2.08 lbs
N = 2

EXPERIMENTAL NET SET RECORD

SET NO. 1 **LAKE** Arc **LOCATION OF LAKE** Kenai Peninsula

WEATHER cloudy **LOCATION OF SET (station)** see map

TEMP. AIR ____° **WATER (surf.)** 51 ° F **TYPE OF BOTTOM** muck

WATER (bottom) ____° **TYPE OF SET: FLOATER:** x **DIVER:** ____

NET TYPE Mono. fil. **LENGTH** 125' **SET: TIME** 1:00 p.m. **DATE** 9/29/69

MESH SIZE 3/4 to 2" **DEPTH** 6' **LIFT: TIME** 10:00 a.m. **DATE** 9/30/69

OBSERVER Watsjold & Engel **DEPTH OF SET (diver)** ____ ft. to ____ ft.

BOTTOM DEPTH (floater) 5' to 14'

REMARKS ____ **SHALLOW END MESH SIZE** 3/4"

Conversion to grams

	Species	Lmm.	W lbs.	Sex	Scale No.	Stomach Contents Species	L	W	Sex	Scale No.
1	Rainbow	420	1.80	♂	816.5	Empty				
2	"	253	.45	♂	204.1	Insects -	Cladocerans			
3	"	264	.56	♂	254.0	Insects -	Cladocerans			
4	"	256	.48	♂	217.7	Insects -	Cladocerans			
5	"	230	.35	♀	158.8	Insects -	Cladocerans			
6	"	225	.32	♀	145.1	Insects -	Cladocerans			
7	"	260	.48	♀	217.7	Insects -	Cladocerans			
8	"	263	.58	♂	263.1	Insects -	Cladocerans			
9	"	235	.37	♂	167.8	Insects -	Cladocerans -	Beetle		
10	"	257	.45	♂	204.1	Insects -	Cladocerans			
11	"	248	.45	♀	204.1	Insects -	Cladocerans -	Beetle		
12	"	252	.49	♀	222.3	Insects -	Cladocerans			
13	"	240	.39	♂	176.9	Insects -	Cladocerans			
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EXPERIMENTAL NET SET RECORD

SET NO. 2 LAKE Arc LOCATION OF LAKE Kenai Peninsula

WEATHER cloudy LOCATION OF SET (station) see map

TEMP. AIR ____° ____ WATER (surf.) 51° F TYPE OF BOTTOM muck

WATER (bottom) ____° TYPE OF SET: FLOATER: ✓ DIVER: ____

NET TYPE Mono fil. LENGTH 125' SET: TIME 1:05 p.m. DATE 9/29/69

MESH SIZE 3/4 to 2" DEPTH 6' LIFT: TIME 10:15 a.m. DATE 9/30/69

OBSERVER Engel & Watsjold DEPTH OF SET (diver) ____ ft. to ____ ft.

BOTTOM DEPTH (floater) 4' to 6'

REMARKS ____ SHALLOW END MESH SIZE 3/4"

conversion to grams

	Species	L mm	W lbs.	Sex	Scale No.	Stomach Content Species	L	W	Sex	Scale No.
1	Rainbow	426	2.36	♀	1070,5	Water Beetle				
2										
3										
4										
5										
6										
7										
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N=26
X = 10.5mm
X = 0.32 lbs

EXPERIMENTAL NET SET RECORD

SET NO. 1 LAKE Arc LOCATION OF LAKE Kenai Peninsula

WEATHER Cloudy & Windy LOCATION OF SET (station) 1

TEMP. AIR 49 ° F WATER (surf.) 47 ° F TYPE OF BOTTOM Sandy

WATER (bottom) ° TYPE OF SET: FLOATER: DIVER: x

NET TYPE Gill LENGTH 125' SET: TIME 10:00 am DATE 9/24/70

MESH SIZE 3/4 - 2" DEPTH 6' LIFT: TIME 9:30 am DATE 9/25/70

OBSERVER W. Johnson DEPTH OF SET (diver) ft. to ft

BOTTOM DEPTH (floater)

REMARKS SHALLOW END MESH SIZE 3/4"

conversion to grams

	Species	L mm	W lb	Sex	Scale No.	S. Content ~~Species~~	L	W	Sex	Scale No.
1	Rainbow	249	0.38	♂	172.4	Insects				
2	"	242	0.36	♂	163.3	Insects				
3	"	233	0.33	♂	149.7	Insect				
4	"	252	0.42	♀	190.5	Insects				
5	"	215	0.26	♂	117.9	Insects				
6	"	241	0.35	♀	158.8	Insects				
7	"	241	0.34	♂	154.2	Insects				
8	"	250	0.40	♂	181.4	Insects				
9	"	231	0.31	♀	140.6	Insects				
10	"	232	0.30	♀	136.1	Insects				
11	"	216	0.24	♀	108.9	Insects				
12	"	231	0.28	♂	127.0	Insects				
13	"	241	0.34	♂	154.2	Insects				
14	"	196	0.20	♂	90.7	Insects				
15	"	245	0.35	♀	158.8	Insects				
16	"	221	0.32	♂	145.1	Cladocera				
17	"	206	0.20	♀	90.7	Cladocera & insects				
18	"	249	0.41	♂	186.0	Cladocera & insects				
19	"	234	0.34	♀	154.2	Insects				
20	"	243	0.36	♂	163.3	Crustacea?				
21	"	233	0.30	♂	136.1	Cladocera & insects				
22	"	230	0.32	♀	145.1	Insects				
23	"	198	0.16	♂	72.6	Cladocera & insects				
24	"	220	0.28	♂	127.0	Cladocera & insects				
25										
26										
27										
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EXPERIMENTAL NET SET RECORD

SET NO. 2 LAKE Arc LOCATION OF LAKE Kenai Peninsula

WEATHER Cloudy LOCATION OF SET (station) 2

TEMP. AIR 49 ° F WATER (surf.) 47 ° F TYPE OF BOTTOM Sandy

WATER (bottom) ° TYPE OF SET: FLOATER: x DIVER:

NET TYPE Gill LENGTH 125' SET: TIME 9:30 am DATE 9/24/70

MESH SIZE 3/4 - 2" DEPTH 6' LIFT: TIME 9:00 am DATE 9/25/70

OBSERVER W. Johnson DEPTH OF SET (diver) ft. to ft

BOTTOM DEPTH (floater) 5' - 14'

REMARKS SHALLOW END MESH SIZE 3/4"

	Species	L mm	W lb	Sex	Scale No.	S. Content Species	L	W	Sex	Scale No.
1	Rainbow	251	0.42	♂	190.5	Insect & Crustacea				
2	"	192	0.18	♂	81.6	Cladocera & insects				
3										
4										
5										
6										
7										
8										
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EXPERIMENTAL NET SET RECORD

SET NO. 1 LAKE Arc LOCATION OF LAKE Kenai Peninsula

WEATHER Cloudy with rain LOCATION OF SET (station) 1

TEMP. AIR 50 ° F WATER (surf.) 50 ° F TYPE OF BOTTOM _____

WATER (bottom) _____ ° TYPE OF SET: FLOATER: X DIVER: _____

NET TYPE Gill net LENGTH 125' SET: TIME 1:00 p.m. DATE 9/29/71

MESH SIZE 3/4 - 2" DEPTH 6' LIFT: TIME 1:00 p.m. DATE 9/30/71

OBSERVER L. Hollinshead DEPTH OF SET (diver) _____ ft. to _____ ft

BOTTOM DEPTH (floater) _____

REMARKS _____ SHALLOW END MESH SIZE _____

conversion to grams

	Species	L	W	Sex	Scale No.	Stomach Content ~~Species~~	L	W	Sex	Scale No.
1	Rainbow	170	0.15	M	68.8	Insects				
2										
3										
4										
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7										
8										
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EXPERIMENTAL NET SET RECORD

SET NO. 2 LAKE Arc LOCATION OF LAKE Kenai Peninsula

WEATHER Cloudy with Rain LOCATION OF SET (station) 2

TEMP. AIR 50 ° WATER (surf.) 50 ° F TYPE OF BOTTOM

WATER (bottom) ° TYPE OF SET: FLOATER: X DIVER:

NET TYPE Gill Net LENGTH 125' SET: TIME 1:00 p.m. DATE 9/29/71

MESH SIZE 3/4 - 2" DEPTH 6' LIFT: TIME 1:00 p.m. DATE 9/30/71

OBSERVER L. Hollinshead DEPTH OF SET (diver) ft. to ft

BOTTOM DEPTH (floater)

REMARKS SHALLOW END MESH SIZE 3/4"

conversion to grams

	Species	L	W	Sex	Scale No.	Stomach Content ~~Species~~	L	W	Sex	Scale No.
1	Rainbow	174	0.16	F	72.6	Insects				
2	"	181	0.19	F	86.2	Insects				
3	"	178	0.18	M	81.6	Insects				
4	"	178	0.17	M	77.1	Insects				
5	"	159	0.12	F	54.4	Insects				
6	"	161	0.12	F	54.4	Insects				
7	"	142	0.09	F	40.8	Insects				
8	"	150	0.10	M	45.4	Insects				
9	"	193	0.20	M	90.7	Insects				
10	"	165	0.15	F	68.0	Insects				
11	"	174	0.14	M	63.5	Insects				
12	"	152	0.08	M	36.3	Insects				
13	"	150	0.09	M	40.8	Insects				
14	"	183	0.18	M	81.6	Insects				
15	"	312	0.89	M	403.7	Empty				
16	"	310	0.84	F	381.0	Insects				
17	"	329	0.95	M	430.9	Insects				
18	"	333	1.00	F	453.6	Insects				
19	"	332	0.95	F	430.9	Insects				
20	"	335	1.04	F	471.7	Insects				
21	"	112	0.04	F	18.1	Insects				
22	"	344	1.12	M	508.0	Insects				
23	"	340	1.08	M	489.9	Insects				
24	"	170	0.14	F	63.5	Insects				
25	"	166	0.15	F	68.0	Insects				
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EXPERIMENTAL NET SET RECORD

SET NO. 1 LAKE ARC LOCATION OF LAKE KENAI PENINSULA

WEATHER OVERCAST LOCATION OF SET (station) SEE MAP

TEMP. AIR 42° WATER (surf.) 40° TYPE OF BOTTOM Muck

WATER (bottom) ° TYPE OF SET: FLOATER: DIVER: X

NET TYPE MONOFILAMENT LENGTH 125' SET: TIME 2:00 PM DATE 10/14/72

MESH SIZE 3/4-2" DEPTH 6' LIFT: TIME 11:00 AM DATE 10/15/72

OBSERVER HAVENS DEPTH OF SET (diver) 5 ft. to 15 ft

BOTTOM DEPTH (floater)

REMARKS SHALLOW END MESH SIZE 3/4"

conversion to grams

	Species	L	W	Sex	Scale No.	Stomach ~~Species~~	L	W	Sex	Scale No.
1	RB	381	1.67	7 im	757.5	Insects				
2		398	1.74	9 im	789.3	Insects				
3		105	.03	UNK	13.6					
4		102	.03		13.6					
5		104	.03		13.6					
6		97	.03		13.6					
7		107	.04		18.1					
8		104	.04		18.1					
9		104	.04		18.1					
10		99	.03		13.6					
11		107	.04		18.1					
12		101	.04		18.1					
13		113	.05		22.7					
14		104	.04		18.1					
15		100	.03		13.6					
16		107	.04		18.1					
17		97	.03		13.6					
18		108	.04		18.1					
19										
20										
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EXPERIMENTAL NET SET RECORD

SET NO. 2 LAKE ARC LOCATION OF LAKE KENAI PENINSULA

WEATHER OVERCAST LOCATION OF SET (station) SEE MAP

TEMP. AIR 42° WATER (surf.) 40° TYPE OF BOTTOM MUCK

WATER (bottom) ____° TYPE OF SET: FLOATER: ____ DIVER: X

NET TYPE MONOFILAMENT LENGTH 125' SET: TIME 2:30 P.M. DATE 10/14/72

MESH SIZE 3/4-2" DEPTH 6' LIFT: TIME 11:30 AM DATE 10/15/72

OBSERVER HAVENS DEPTH OF SET (diver) 5 ft. to 13 ft

BOTTOM DEPTH (floater) ____

REMARKS ____ SHALLOW END MESH SIZE 3/4"

conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	RB	422	1.81	♂M	821.8	INSECTS				
2		314	.88	♂M	399.2	Insects				
3		108	.03	UNK	13.6	RB	98	.02	UNK	9.1
4		111	.03		13.6		107	.03		13.6
5		114	.04		18.1		110	.04		18.1
6		105	.03		13.6		108	.03		13.6
7		110	.04		18.1		103	.03		13.6
8		112	.04		18.1		111	.03		13.6
9		107	.03		13.6		116	.04		18.1
10		108	.04		18.1		110	.04		18.1
11		108	.04		18.1		95	.02		9.1
12		102	.03		13.6		108	.03		13.6
13		103	.03		13.6		109	.04		18.1
14		102	.03		13.6		103	.03		13.6
15		104	.03		13.6		98	.03		13.6
16		100	.03		13.6		103	.03		13.6
17		99	.03		13.6		108	.04		18.1
18		103	.03		13.6		105	.03		13.6
19		94	.02		9.1		111	.04		18.1
20		99	.03		13.6		104	.03		13.6
21		100	.03		13.6		97	.03		13.6
22		104	.04		18.1		108	.04		18.1
23		103	.03		13.6		97	.03		13.6
24		101	.03		13.6		102	.03		13.6
25		112	.04		18.1		106	.04		18.1
26		105	.04		18.1		106	.03		13.6
27		103	.03		13.6					
28		100	.03		13.6					
29		113	.04		18.1					
30		102	.03		13.6					
31		103	.04		18.1					
32		100	.04		18.1					
33		112	.04		18.1					
34		107	.03		13.6					
35		103	.02		9.1					

(9-13-1973)
11.00 Am Set

EXPERIMENTAL NET SET RECORD

DATE OF LIFT 9/14/73

SET NO. #1+2 LAKE Alc TIME OF LIFT 11:00 am

Stomach contents

		Species	L	W	Sex	Scale ~~No.~~	Species	L	W	Sex	Scale No.
#1	1	RB	460	2.77	m	Ag Ins.					
#1	2	RB	240	0.45	m	Snails					
#2	3	RB	150	0.05	m	Snails Ag. Ins.					
#2	4	RB	145	0.04	?	"					
#3	5	RB	160	0.05	m	"					
	6		1155	336							
	7										
	8										
	9										
	10										
	11										
	12										
	13										
	14										
	15										
	16										
	17										
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	26										
	27										
	28										
	29										
	30										
	31										
	32										
	33										

EXPERIMENTAL NET SET RECORD SET 1600 9/24/74

DATE OF LIFT 9/25/74

SET NO. #1 & #2 LAKE ARC TIME OF LIFT 1600

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1 (Fish #67)	SS	115				(Fish #100) SS	103			
2		105					103			
3		110					113			
4		107					107			
5		99					105			
6		98					110			
7		105					100			
8		103					107			
9		110					104			
10		110					110			
11		115					113			
12		105					99			
13		103					105			
14		111					100			
15		105					101			
16		110					117			
17		108					105			
18		105					105			
19		115					105			
20		110					110			
21		109					113			
22		97					105			
23		107					105			
24		100					110			
25		105					107			
26		102					109			
27		106					111			
28		107				(Fish #127)	103	1642.0g		
29		110				RB	527	3.62	M	insects 1
30		105				1442.4g	494	3.18	F	insects 2
31		100				644.1g	378	1.42	M	chiron larvae 3
32		100								
33 (Fish #99)		100								

EXPERIMENTAL NET SET RECORD SET 1600 9/24/74

DATE OF LIFT 9/25/74

SET NO. #1 & #2 LAKE ARC TIME OF LIFT 1600

	Species	L	average W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	SS	112	.034	15.4g		SS	115			
2	|	112	|				103			
3	|	100	|				105			
4		105					105			
5		105					105			
6		100					100			
7		115					109			
8		105					110			
9		105					100			
10		105					120			
11		105					105			
12		110					101			
13		100					107			
14		102					110			
15		105					105			
16		100					107			
17		115					110			
18		115					104			
19		115					105			
20		100					104			
21		110					103			
22		115					105			
23		105					105			
24		107					104			
25		103					109			
26		106					105			
27		104					113			
28		113					102			
29		107					100			
30		113					103			
31		107					106			
32		103					115			
33		109				(Fish #66)	97			

EXPERIMENTAL NET SET RECORD

SET NO. 1 & 2 LAKE Arc LOCATION OF LAKE Soldotna

WEATHER Rainy LOCATION OF SET (station) 1 & 2

TEMP. AIR ~48° F WATER (surf.) 55° F TYPE OF BOTTOM mud

WATER (bottom) — ° — TYPE OF SET: FLOATER: ~~two~~ DIVER: —

NET TYPE Gill variable mesh LENGTH 125' SET: TIME 1600 DATE 9/9/75

MESH SIZE 3/4 - 2" DEPTH — LIFT: TIME 1600 DATE 9/10/75

OBSERVER Bothe & Hubbarth DEPTH OF SET (diver) ____ ft. to ____ ft

BOTTOM DEPTH (floater) ____

REMARKS — SHALLOW END MESH SIZE ____

conversion to grams

conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	SS	170	.17	77.1		SS	170	.11		49.9
2		155	.15	68.0			170	.10		45.4
3		175	.10	45.4			172	.13		59.0
4		170	.10	45.4			167	.11		49.9
5		166	.11	49.9			157	.09		40.8
6		183	.13	59.0			163	.10		45.4
7		165	.10	45.4			164	.10		45.4
8		177	.12	54.4		RB	350	1.34	♀mat	607.8
9		160	.10	45.4						
10		170	.11	49.9						
11		172	.11	49.9						
12		160	.10	45.4		SS				
13		162	.10	45.4			N = 42			
14		168	.10	45.4			Σx = 6970	Σx = [illegible]		
15		180	.12	54.4			Σx^2 = 1159482	Σx^2 = .51		
16		161	.11	49.9			$\bar{x}$ = 166.0	$\bar{x}$ = .11		
17		176	.12	54.4			s = 8.3	s = .02		
18		165	.13	54.4			s^2 = 68.1			
19		165	.10	45.4						
20		147	.09	40.8						
21		165	.10	45.4						
22		170	.11	49.9						
23		176	.12	54.4						
24		177	.12	54.4						
25		154	.10	45.4						
26		162	.11	49.9						
27		175 173	.12	54.4						
28		165	.12	54.4						
29		165	.11	49.9						
30		168	.11	49.9						
31		150	.08	36.3						
32		150	.08	36.3						
33		155	.10	45.4						
34		160	.10	45.4						
35	SS	168	.16	45.4						

Arc Lake 1976

CPUE (SS 1974 plant) = 0.4285
(SS 1976 plant) = 3.952

SS 1974 plant

Length

Range = 205 - 230
n = 9
Σx = 1958
Σx^2 = 426,512
$\bar{x}$ = 217.555
s = 8.20
s^2 = 67.2777

Weight

Range = 0.25 - 0.37
n = 9
Σx = 2.9
Σx^2 = 0.947
$\bar{x}$ = 0.322
s = 0.04
s^2 = 0.0016

SS1976 plant

Length

Range = 103 - 130
n = 61
Σx = 7123
Σx^2 = 857,352
$\bar{x}$ = 116.918
s = 19.787
s^2 = 391.543

Weight

Range = 0.03 - 0.06
n = 61
Σx = 2.58
Σx^2 = 0.112
$\bar{x}$ = 0.042
s = 0.0069
s = 0.000047

EXPERIMENTAL NET SET RECORD

SET NO. 1 LAKE Arc LOCATION OF LAKE Kenai Peninsula

WEATHER Overcast LOCATION OF SET (station) South side of lake

TEMP. AIR 50 ° WATER (surf.) 50 ° TYPE OF BOTTOM sand & mud

WATER (bottom) ° TYPE OF SET: FLOATER: DIVER: ✓

NET TYPE monofilament gill net LENGTH 125' SET: TIME 12:30 pm DATE 9/26/76

MESH SIZE 3/4" - 2" DEPTH 6' LIFT: TIME 9:30 am DATE 9/27/76

OBSERVER Havens DEPTH OF SET (diver) 3 ft. to 12 ft

BOTTOM DEPTH (floater)

REMARKS SHALLOW END MESH SIZE 3/4

conversion to grams

Conversion to grams

	Species	L	W	Sex	Scale No.	Stomachs Species	L	W	Sex	Scale No.
1	SS 158.8	212	.35	M(I)	INSECTS	SS	120	.05	22.7	
2	167.8	230	.37	F(I)	"		125	.05	22.7	
3	149.7	226	.33	M	Insects	Leeches	117	.04	18.1	
4	163.3	223	.36	F(I)	Insects		114	.03	13.6	
5	154.2	219	.34	F(I)	"		112	.04	18.1	
6	149.7	218	.33	F(I)	"		122	.05	22.7	
7	127.0	205	.28	F(I)	"		114	.04	18.1	
8	131.5	208	.29	F(I)	"		121	.04	18.1	
9	113.4	217	.25	F(I)	"		117	.04	18.1	
10	18.1	119	.04				118	.04	18.1	
11	18.1	118	.04				122	.05	22.7	
12	18.1	122	.04				113	.04	18.1	
13	18.1	118	.04				116	.04	18.1	
14	18.1	115	.04				115	.04	18.1	
15	13.6	113	.03				110	.04	18.1	
16	18.1	115	.04				118	.05	22.7	
17	22.7	123	.05				108	.03	13.6	
18	18.1	115	.04				116	.04	18.1	
19	18.1	116	.04				117	.05	22.7	
20	18.1	116	.04				120	.05	22.7	
21	22.7	118	.05				120	.05	22.7	
22	13.6	115	.03				113	.03	13.6	
23	22.7	123	.05				115	.04	18.1	
24	13.6	103	.03				113	.04	18.1	
25	18.1	113	.04				117	.04	18.1	
26	22.7	121	.05				122	.05	22.7	
27	22.7	117	.05				115	.04	18.1	
28	18.1	116	.04				112	.04	18.1	
29	22.7	127	.05				122	.05	22.7	
30	22.7	121	.05				130	.06	27.2	
31	13.6	115	.03				122	.05	22.7	
32	22.7	121	.05				104	.03	13.6	
33	18.1	116	.04				110	.04	18.1	
34	18.1	113	.04				125	.05	22.7	
35	22.7	117	.05				115	.04	18.1	

plus 22 more SS of same size range

EXPERIMENTAL NET SET RECORD

SET NO. 1 LAKE ARC LOCATION OF LAKE Sterling Highway Soldotna

WEATHER Cloudy - Windy LOCATION OF SET (station) _____

TEMP. AIR 46 °F WATER (surf.) 45 °F TYPE OF BOTTOM Sand & Mud

WATER (bottom) _____ ° TYPE OF SET: FLOATER: _____ DIVER: ✓

NET TYPE ✓ mesh LENGTH 125 SET: TIME 1200 DATE 10/11/77

MESH SIZE 2½ - ½ DEPTH _____ LIFT: TIME 10:00 DATE 10/12/77

OBSERVER Dave Morrison DEPTH OF SET (diver) _____ ft. to _____ ft.

BOTTOM DEPTH (floater) _____

REMARKS _____ SHALLOW END MESH SIZE 1/2

conversion to grams ↓ conversion to grams ↓

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	S.S.	160	.12	54.4g			156	.10	45.4g	
2		160	.10	45.4g	1976	Plant	153	.10	45.4g	
3		173	.12	54.4g			173	.12	54.4g	
4		189	.14	63.5g	Weight		150	.10	45.4g	
5		165	.10	45.4g			155	0.09	40.8g	
6		163	.10	45.4g	Range =	.09 → .14	162	.11	49.9g	
7		162	.10	45.4g	n = 51		157	.10	45.4g	
8		166	.11	49.9g	Σx = 5142		157	.10	45.4g	
9		155	.10	45.4g	Σx^2 =	0.5834	155	.10	45.4g	
10		161	.11	49.9g			148	.09	40.8g	
11		171	.12	54.4g	$\bar{x}$ =	.106	165	.10	45.4g	
12		160	0.09	40.8g	s =	.0121	158	.10	45.4g	
13		162	.10	45.4g	s^2 =	.000147	148	0.09	40.8g	
14		159	.10	45.4g			162	.11	49.9g	
15		160	.12	54.4g			160	.10	45.4g	
16		166	.11	49.9g			150	0.09	40.8g	
17		167	.12	54.4g	1976	Plant Length				
18		162	.12	54.4g						
19		160	.11	49.9g						
20		167	.12	54.4g		Range:	148 → 189			
21		157	0.09	40.8g		n = 51				
22		158	.10	45.4g		Σx = 8226				
23		167	.12	54.4g		Σx^2 = 1329670.		(cpue) = 11.159		
24		160	.12	54.4g		$\bar{x}$ = 161.29				
25		154	0.09	40.8g						
26		157	.10	45.4g		s = 7.569				
27		160	.10	45.4g		s^2 = 57.29				
28		166	.12	54.4g						
29		152	.10	45.4g						
30		180	.14	63.5g						
31		167	.12	54.4g						
32		160	.10	45.4g						
33		158	.10	45.4g						
34		165	.11	49.9g						
35		168	.12	54.4g						

FG-109

24 hrs

EXPERIMENTAL NET SET RECORD

SET NO. _____ LAKE ARC LAKE LOCATION OF LAKE Sterling Highway

WEATHER Clear LOCATION OF SET (station) SEE MAP

TEMP. AIR 13 °C ~~WATER~~ (surf.) 11.5 °C TYPE OF BOTTOM MUD

WATER (bottom) _____ ° _____ TYPE OF SET: FLOATER: _____ DIVER: —

NET TYPE V-mesh LENGTH 125' SET: TIME 14:30 DATE 9/27/78

MESH SIZE ½ - 2" DEPTH _____ LIFT: TIME 14:30 DATE 9/28/78

OBSERVER R Morrison DEPTH OF SET (diver) _____ ft. to _____ ft.

BOTTOM DEPTH (floater) _____

REMARKS one net SHALLOW END MESH SIZE ½

conversion to grams

	Species	mm L	# W	Sex	Scale No.
1	SS 99.8g	209	.22	M	INSECTS
2	99.8g	210	.22	F	"
3	127.0g	232	.28	MAT. F	EMPTY
4	113.4g	222	.25	MAT. M	INSECTS
5	108.9g	219	.24	MAT. M	"
6	113.4g	230	.25	MAT. M	"
7	127.0g	224	.28	F	"
8	99.8g	210	.22	M	"
9	127.0g	233	.28	MAT. F	EMPTY
10	90.7g	209	.20	MAT. M	INSECTS
11	68.0g	193	.15	F	"
12	99.8g	213	.22	MAT. M	"
13	77.1g	200	.17	MAT. M	EMPTY
14	99.8g	207	.22	MAT. M	"
15	77.1g	194	.17	M	"
16	72.6g	199	.16	F	"
17	18.1g	112	.04	F	—
18	13.6g	110	.03	F	—
19	18.1g	113	.04	M	—
20	18.1g	115	.04	F	—
21	18.1g	113	.04	M	—
22	13.6g	110	.03	M	—
23	9.1g	107	.02	F	—
24	13.6g	113	.03	M	—
25	18.1g	114	.04	M	—
26	13.6g	105	.03	M	—
27	18.1g	109	.04	F	—
28	13.6g	106	.03	F	—
29	18.1g	115	.04	F	—
30	18.1g	110	.04	M	—
31	18.1g	109	.04	M	—
32	18.1g	114	.04	M	—
33	18.1g	115	.04	M	—
34	9.1g	111	.02	M	—
35	13.6g	109	.03	M	—

conversion to grams

Species	L	W	Sex	Scale No.	
SS	107	.03	M		13.6g
	108	.03	M	—	13.6g
	105	.02	M	—	9.1g
	113	.04	M	—	18.1g

1976 plant C/E 0.667

Length

Range - 193 - 223

$n = 16$

$\bar{X} = 212.75$

$\Sigma x = 3404$

$\Sigma x^2 = 726700$

$s = 12.90$

$s^2 = 166.16$

Weight

Range 0.15 - 0.28

$n = 16$

$\bar{X} = 0.22$

$\Sigma x = 3.53$

$\Sigma x^2 = 0.806$

$s = 0.042$

$s^2 = 0.0018$

1978 plant C/E = 0.96

Length

Range - 105 - 115

$n = 23$

$\bar{X} = 110.26$

$\Sigma x = 2536$

$\Sigma x^2 = 279922$

$s = 3.70$

$s^2 = 13.66$

Weight

Range 0.02 - 0.04

$n = 23$

$\bar{X} = 0.034$

$\Sigma x = 0.79$

$\Sigma x^2 = 0.028$

$s = 0.008$

$s^2 = 0.00006$

172.7
12.3

EXPERIMENTAL NET SET RECORD

SET NO. 6 LAKE ARC LOCATION OF LAKE

WEATHER RAIN LOCATION OF SET (station)

TEMP. AIR ° WATER (surf.) 13 ° C (55.4 °F) TYPE OF BOTTOM

WATER (bottom) ° TYPE OF SET: FLOATER: 1 DIVER: 1

NET TYPE LENGTH SET: TIME 1200 HRS DATE 9/20/79

MESH SIZE DEPTH LIFT: TIME 1030 HRS DATE 9/21/79

OBSERVER DJ DEPTH OF SET (diver) ft. to ft.

BOTTOM DEPTH (floater)

REMARKS 1978 STOCK Coho's SHALLOW END MESH SIZE

STOMACH CONT. — conversion to grams

	Species	(mm) L	(LB) W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	COHO	186	.14	M	INSECTS	63.5g COHO	167	.12	M	54.4g
2		175	.12	M	"	54.4g	172	.10	M	45.4g
3		181	.13	M	"	59.0g	166	.10	F	45.4g
4		173	—	M	"	—	171	.10	M	45.4g
5		169	.10	M	"	45.4g	171	.10	M	45.4g
6		165	.10	M	"	45.4g	164			
7		170	.09	F	"	40.8g	172			
8		180	.11	M	"	49.9g	163			
9		185	.13	M	"	59.0g	168			
10		181	.12	F	"	59.0g	172			
11		200	.15	F	68.0g		172			
12		189	.13	F	59.0g		166			
13		166	.10	F	45.4g		163			
14		167	.09	M	40.8g		167			
15		184	.11	F	49.9g		179	2.02 TOTAL WT.		
16		164	.10	F	45.4g		170			
17		175	.11	F	49.9g		169			
18		177	.11	M	49.9g		176			
19		172	.10	M	45.4g		173			
20		186	.12	F	54.4g		173			
21		177	.11	M	49.9g		183			
22		189	.14	M	63.5g		178			
23		174	.12	F	54.4g		171			
24		170	.10	M	45.4g	↓	110			
25		189	.12	F	54.4g					
26		175	.12	F	54.4g	MEAN Length	: 176.4	mm		
27		174	.12	M	54.4g	S. DEV "	: 9.1	mm		
28		180	.12	F	54.4g					
29		177	.11	F	49.9g	MEAN WT.	: 0.11 lb			
30		177	.12	M	54.4g	S. DEV WT.	: 0.016 lb			
31		172	.11	M	49.9g					
32		202	.15	M	68.0g	Length	RANGE: 110-202			
33		168	.09	M	40.8g	WT	RANGE: .09-.15			
34		175	.11	F	49.9g					
35	↓	165	.10	F	45.4g	CPUE: 1.31				

EXPERIMENTAL NET SET RECORD

SET NO. 9 LAKE ARC LOCATION OF LAKE

WEATHER Cloudy/ RAIN LOCATION OF SET (station)

TEMP. AIR ° WATER (surf.) 13 °C TYPE OF BOTTOM

WATER (bottom) ° TYPE OF SET: FLOATER: DIVER: X

NET TYPE LENGTH SET: TIME 1430 HRS DATE 9/23/80

MESH SIZE DEPTH LIFT: TIME 1600 Hrs DATE 9/24/80

OBSERVER Loran DEPTH OF SET (diver) ft. to ft

BOTTOM DEPTH (floater)

REMARKS 1978 PLANT SHALLOW END MESH SIZE

	Species	(mm) L	(lb) W	Sex	Scale No.	Stomach Conversion to grams: Species	L	W	Sex	Scale No.
1	SS	224	.25	♀	Insect	113.4g				
2		213	.22	♀	"	99.8g / SS	CPUE = 1.38	(1978 PLANT)		
3		233	.30	♂	"	136.1g / Length	RANGE = 213mm → 243mm			
4		230	.29	♂	"	131.5g / "	MEAN = 227mm			
5		243	.34	♀	"	154.2g / "	S. Dev. = 9.78			
6		225	.28	♂	"	127.8g /				
7		240	.34	♀	"	154.2g / WT	RANGE = 0.22lb → 0.34lb.			
8		236	.29	♀	"	131.5g "	MEAN = 0.27 lb.			
9		215	.24	♀	"	108.9g "	S. Dev. = 0.03 lb.			
10		217	.25	♂	"	113.4g				
11		230	.28			127.0g				
12		222	.26			117.9g				
13		208	.23			104.3g				
14		234	.29			131.5g				
15		233	.28			127.0g				
16		233	.32			145.1g				
17		223	.24			108.9g				
18		221	.23			104.3g				
19		240	.30			136.1g				
20		223	—			—				
21		205	.20			90.7g				
22		215	.22			99.8g				
23		230	.28			127.0g				
24		232	.28			127.0g				
25		238	.32			145.1g				
26		229	.28			127.0g				
27		230	.28			127.0g				
28		240	.29			131.5g				
29		232	.29			131.5g				
30		227	.26			117.9g				
31		216	.25			113.4g				
32										
33										
34										
35										

EXPERIMENTAL NET SET RECORD

SET NO. 6 LAKE Arc LOCATION OF LAKE

WEATHER Sunny LOCATION OF SET (station)

TEMP. AIR °C WATER (surf.) 11 °C TYPE OF BOTTOM

WATER (bottom) ° TYPE OF SET: FLOATER: DIVER: 1

NET TYPE LENGTH SET: TIME 3:15PM DATE 9/22/81

MESH SIZE DEPTH LIFT: TIME 11:15AM DATE 9/23/81

OBSERVER Larson / Adams DEPTH OF SET (diver) ft. to ft

BOTTOM DEPTH (floater)

REMARKS 20 hrs fished SHALLOW END MESH SIZE

Conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	55	343	1.03	♀	Insects	467.2g				
2		318	.80	♂	Insects	362.9g				
3		300	.71	♂	Insects	322.1g				
4		300	.76	♂	Insects	344.7g				
5		325	.72	♂	Insects	326.6g				
6		312	.73	♂	Insects	331.1g				
7		149	.08			36.3g				
8		110								
9		115								
10		113								
11		113	.27							
12		112								
13		94								
14		102								
15		105								
16		107								
17										
18										
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34										
35										

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EXPERIMENTAL NET SET RECORD

SET NO. 3 LAKE Arc — LOCATION OF LAKE _____

WEATHER Ovc mod wind 10-12 kts — LOCATION OF SET (station) _____

TEMP. AIR 8 °C WATER (surf.) 11 °C — TYPE OF BOTTOM _____

WATER (bottom) _____ ° _____ — TYPE OF SET: FLOATER: ✓ DIVER: _____

NET TYPE _____ LENGTH _____ — SET: TIME 3:40 PM DATE 9/13/83

MESH SIZE _____ DEPTH _____ — LIFT: TIME 1:40 PM DATE 9/14/83

OBSERVER DHans — DEPTH OF SET (diver) _____ ft. to _____ ft.

BOTTOM DEPTH (floater) _____

REMARKS _____ — SHALLOW END MESH SIZE _____

Conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	SS	290	.72	326.6g						
2		286	.67	303.9g						
3		222	.29	131.5g						
4	KS	110	.04	18.1g						
5										
6										
7										
8										
9										
10										
11										
12										
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34										
35										

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EXPERIMENTAL NET SET RECORD

SET NO. 4 LAKE Arc — LOCATION OF LAKE _____

WEATHER Overcast calm — LOCATION OF SET (station) _____

TEMP. AIR 11 ° C WATER (surf.) 13 ° C — TYPE OF BOTTOM _____

WATER (bottom) _____ ° _____ — TYPE OF SET: FLOATER: ✓ DIVER: _____

NET TYPE _____ LENGTH _____ — SET: TIME 3:30 PM DATE 9/18/84

MESH SIZE _____ DEPTH _____ — LIFT: TIME 11:30 AM DATE 9/19/84

OBSERVER DA & Chris — DEPTH OF SET (diver) _____ ft. to _____ ft.

BOTTOM DEPTH (floater) _____

REMARKS _____ — SHALLOW END MESH SIZE _____

2 OB

conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	KS	185	.15	68.0g						
2		167	.10	45.4g						
3		166	.10	45.4g						
4		180	.14	63.5g						
5		175	.12	54.4g		31	Total	fish	120 hrs	= 1.5 lb
6		168	.11	49.9g		155-185 mm				
7		176	.10	45.4g		1733	bottom	L		
8		183	.14	63.5g		3.41/25	= .12 lbs			
9		182	.14	63.5g		20 hrs for 25.0				
10		168	.11	49.9g						
11		183	.14	63.5g						
12		162	.08	36.3g						
13		155	.10	45.4g						
14		160	.10	45.4g						
15		179	.13	59.0g						
16		176	.12	54.4g						
17		180	.14	63.5g						
18		175	.12	54.4g						
19		176	.12	54.4g						
20		162	.09	40.8g						
21		171	.11	49.9g						
22		182	.16	72.6g						
23		171	.10	45.4g						
24		180	.13	59.0g						
25		176	.12	54.4g						
26		172	.12	54.4g						
27		179	.12	54.4g						
28		165	.10	45.4g						
29		171	.10	45.4g						
30			2.41							
31										
32										
33										
34										
35										

FG-109

EXPERIMENTAL NET SET RECORD

SET NO. 10 LAKE ARC — LOCATION OF LAKE _____

WEATHER SUNNY / CALM — LOCATION OF SET (station) _____

TEMP. AIR 12 ° C WATER (surf.) 10 ° C — TYPE OF BOTTOM _____

WATER (bottom) _____ ° _____ — TYPE OF SET: FLOATER: _____ DIVER: (1)

NET TYPE _____ LENGTH _____ — SET: TIME 1130 DATE 9/30/85

MESH SIZE _____ DEPTH _____ — LIFT: TIME 9:45 AM DATE 10/1/85 22.25 hrs

OBSERVER MARGARELLE Athens — DEPTH OF SET (diver) _____ ft. to _____ ft.

REMARKS _____ — BOTTOM DEPTH (floater) _____

SHALLOW END MESH SIZE _____

conversion to grams

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	KS ABOVE	360	1.06	9 total	1983					
2	199.6g	255	.40	L=2285/9=254						
3	181.9g	250	.40	Diary 210-360						
4	181.4g	235	.40	W= 4.22/9 = .47						
5	158.1g	230	.35	9/22.25 =	.40/hr					
6	199.6g	245	.44							
7	190.5g	250	.42							
8	213.2g	250	.47							
9	108.9g	210	.24							
10		2285	4.22							
11			(lbs.)							
12										
13										
14										
15										
16										
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EXPERIMENTAL NET SET RECORD

SET NO. 4 LAKE Atc

WEATHER Occ / 14 rain

TEMP. AIR ____ ° ____ WATER (surf.) 15 °C

WATER (bottom) ____ °

NET TYPE ____ LENGTH ____

MESH SIZE ____ DEPTH ____

OBSERVER Atkins / Bendell

REMARKS ____

LOCATION OF LAKE ____

LOCATION OF SET (station) ____

TYPE OF BOTTOM ____

TYPE OF SET: FLOATER: ____ DIVER: 1

SET: TIME 15:10 DATE 9/16/1986

LIFT: TIME 12:30 DATE 9/17/1986

DEPTH OF SET (diver) ____ ft. to ____ ft.

BOTTOM DEPTH (floater) ____

SHALLOW END MESH SIZE ____

	Species	L	W (A53.6g)	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	LS	315	1.00	2 Total	1983					
2	KS	335	1.27	L = 650/2 =	325					
3			576.1g	Range = 315-335						
4				W = 2.27/2 =	1.13					
5				2/21.5 =	.09					
6										
7										
8										
9										
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EXPERIMENTAL NET SET RECORD

SET NO. 3 LAKE Arc LOCATION OF LAKE

WEATHER LOCATION OF SET (station)

TEMP. AIR ° WATER (surf.) 12 ° C TYPE OF BOTTOM

WATER (bottom) ° TYPE OF SET: FLOATER: DIVER: 1

NET TYPE LENGTH SET: TIME 12:15 DATE 9/22/87

MESH SIZE DEPTH LIFT: TIME 11:45 DATE 9/23/87

OBSERVER DEPTH OF SET (diver) ft. to ft.

BOTTOM DEPTH (floater)

REMARKS 1 of 2 SHALLOW END MESH SIZE

SS

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	135					128				
2	140			3.47 lbs		135				
3	125					126				
4	135					122				
5	135					120				
6	121					115				
7	110	66 Total 1987				130				
8	104	L Range 103-140				113				
9	123	L mean 6222/50 = 124				122				
10	120	wt mean 3.47/64 = .05				111				
11	133	CPUE = 66/23.5 = 2.8				103				
12	133					125				
13	123					128				
14	124					120				
15	121					122				
16	128					= 6222/50		3.47/64 =		
17	118					+14 (rm.)				
18	132					+2 (lost)				
19	113					(66 total)				
20	126									
21	136									
22	130									
23	120									
24	122									
25	121									
26	120									
27	125									
28	123									
29	128									
30	128									
31	119									
32	137									
33	141									
34	128									
35	140									

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EXPERIMENTAL NET SET RECC

SET NO. 4 LAKE ARC — LOCATION OF LAKE

WEATHER overcast / lt. wind — LOCATION OF SET (station)

TEMP. AIR ° WATER (surf.) ° TYPE OF BOTTOM

WATER (bottom) ° TYPE OF SET: FLOATER: DIVER: 1

NET TYPE LENGTH — SET: TIME 1630 DATE 9/7/88

MESH SIZE DEPTH — LIFT: TIME 1200 DATE 9/7/88

OBSERVER Whalen / King — DEPTH OF SET (diver) ft. to (8) ft. ~~20.5~~ 19.5 KRK WM

BOTTOM DEPTH (floater)

REMARKS — SHALLOW END MESH SIZE

Conversion to grams

(37)

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	SS	220	.27	122.5g		SS	105	Tared		
2		200	.17	77.1g		↓	110			
3		190	.15	68.0g						
4		210	.22	99.8g						
5		200	.18	81.6g						
6		205	.18	81.6g						
7		200	.17	77.1g 33 Total 1987				4 Total 1988		
8	86.2g	205	.19	175 –	230	Length range		105 –	115	
9	140.6g	220	.31	$\bar{Y}L$ =	206	mean length		$\bar{Y}L$ =	109	
10	45.4g	175	.10	$\bar{Y}W$ =	.21	mean wt.		$\bar{Y}W$ =	.03	
11	72.6g	195	.16	33/25 = 1.32 fish/tow		CPUE				
12		~~185~~	.15	68.0g						
13		195	.15	68.0g						
14		195	.15	68.0g						
15		180	.14	63.5g						
16		220	.27	122.5g						
17		230	.29	131.5g						
18		210	.24	108.9g						
19		195	.18	81.6g						
20		195	.17	77.1g						
21		200	.19	86.2g						
22		210	.21	95.3g						
23		205	.21	95.3g						
24		210	.21	95.3g						
25		215	.26	117.9g						
26		215	.22	99.8g						
27		230	.30	136.1g						
28		220	.26	117.9g						
29		215	.22	99.8g						
30		205	.21	95.3g						
31		220	.26	117.9g						
32		215	.23	104.3g						
33		215	.26	117.9g						
34		105		Tared out 4 fish						
35	↓	115		.13						

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EXPERIMENTAL NET SET RECORD

SET NO. 6 LAKE Arc

WEATHER

TEMP. AIR ° WATER (surf.) ° WATER (bottom) °

NET TYPE LENGTH

MESH SIZE DEPTH

OBSERVER Allers / Mack

REMARKS Mud / 2 small, net 12 / 2 Sm.

LOCATION OF LAKE

LOCATION OF SET (station)

TYPE OF BOTTOM

TYPE OF SET: FLOATER: DIVER:

SET: TIME 1330 DATE 9/11 (1989) 23.5 hrs

LIFT: TIME 13:00 DATE 9/12 (1989)

DEPTH OF SET (diver) ft. to ft.

BOTTOM DEPTH (floater)

SHALLOW END MESH SIZE

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	SS	255		1987	Stocking					
2		275		L Range =	231-278					
3		250		$\bar{L}$	249					
4		254		$\bar{W}$ =	.43					
5		278		n = 16						
6		231		CPUE =	.68					
7		240								
8		244								
9		235								
10		245								
11		242								
12		244	5.2 lbs	2993/12						
13	SS	124								
14		126		1989	Stocking					
15		119		LR =	118-126					
16		126		$\bar{L}$ =	122					
17		118		$\bar{W}$ =	.05					
18		120		n = 11						
19		120		CPUE =	.47					
20		124								
21		120	0.45 lbs	1097/9 =						
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										

200

EXPERIMENTAL NET SET RECORD

Lake Wt: 1.16

SET NO. 1 LAKE Arc LOCATION OF LAKE _____

WEATHER _____ LOCATION OF SET (station) _____

TEMP. AIR ____° WATER (surf.) ____° TYPE OF BOTTOM _____

WATER (bottom) ____° TYPE OF SET: FLOATER: ____ DIVER: ____

NET TYPE _____ LENGTH _____ SET: TIME 1115 DATE 9/17/90

MESH SIZE _____ DEPTH _____ LIFT: TIME 0930 DATE 9/18/90

OBSERVER King / Lowder DEPTH OF SET (diver) ____ ft. to ____ ft

BOTTOM DEPTH (floater) _____

REMARKS _____ SHALLOW END MESH SIZE _____

BACK: 8sm 1 lg.

	Species	L	W	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	COHO	309				COHO	234			
2		345	2.80 lbs				240			
3		318					231	1.89 lbs		
4							224			
5	COHO	120					227			
6		124					220			
7		125								
8		139								
9		115								
10		119								
11		124								
12		122								
13		100	0.98 lbs							
14		122								
15		130								
16		112								
17		120								
18		115								
19		134								
20		122								
21		122								
22		118								
23		121								
24										
25	COHO	280								
26		264								
27		245								
28		240								
29		246								
30		218	4.43 lbs							
31		235								
32		232								
33		232								
34		238								
35		244								
		249								