

Suspended series - Oct - Nov., 1954

1/2", 3/4", 1", 1 1/4" Nylon meshes. Set at center of lake approx. 400 yds S. of deep hole - Depth - 80'. For sets G-J, net moved toward shore suspended from buoys from the surface. Net hung in catenary - center of nets 6' below ends. Sets K-O set at position C of standard series.

Depth	Set	Run	Wind	Cloud	Temp.	Remarks	Set No.
0-10	16:30, 31/10/54	01:00, 1/11/54	0	10		Fog at collection	A
		09:00, 1/11/54	1	10		Slight drizzle	B
		05:45 1/11/54	0	10			C
		01:40 1/11/54	0	10		ceiling high - much brighter than last night	D
		09:30 2/11/54	0	10	8.1	with	E
		09:30 3/11/54	0	10		drizzle	F
10-15	17:00, 3/11/54	09:30 4/11/54	0	10		heavy rain at collection	G
20-30	09:30, 4/11/54	09:30 6/11/54	*	*	*	see notes on catches.	H
		10:00 7/11/54	1	10		Bright morning, thin overcast.	J
30'	19:00, 7/11/54	9:30, 8/11/54					K
0'	9:30, 8/11/54	9:30, 9/11/54					L
65' <small>on bottom</small>	9:30, 9/11/54	9:30, 10/11/54					M
BT-40'	11/11/54	12/11/54	10	10			N
15'	12/11/54	13/11/54	9 W.S.	10			O
BT-40'	14/11/54	15/11/54	0	9			P
0'	15/11/54	16/11/54	0	10			Q
15'	16/11/54	17/11/54	0	10			R
BT 0'	18/11/54	19/11/54	0	10			S
20'	19/11/54	20/11/54	0	9			T

Catch.

Set A

$1\frac{1}{4}$ " - sockeye, 0 age, 7.7 cm, 4.2 gm.
Shiner,
all other meshes empty.

Set B

$\frac{1}{2}$ " - stickleback. , 5.1 cm, 1.0 gm.

$\frac{3}{4}$ " - sockeye , 8.3 cm, 5.4 gm

$1\frac{1}{4}$ " - cut-throat IV 33.0 cm, 511 gm, ♀ mating. alive on capture.

Stomach 7 mysis - 0.1 cc.
1 salmonid 1.3 cc

cut-throat IV 30.5, 307.5, ♂ imm. fresh dead.

Stomach Fish remains, prob. salmonid 0.2 cc.
(chgested)

Set C

1" - Dolly varden III 26.5 cm, 206.3 gm. - alive on capture.

Stomach empty.

Set D

$\frac{3}{4}$ " - sockeye 0 age, 8.1 cm, 5.15 gm.

Set E

$\frac{3}{4}$ " cut-throat IV 27.0 cm, 176.8 gm. ♀ imm.

Stomach 12⁺ mysis 0.4 cc
Tr. insects

1" cut-throat IV 22.0 cm, 116.3 gm, ♀ imm.

Stomach 12⁺ mysis 0.5 cc
Tr. insects

1" sockeye 0 13.8 cm, 26.8 gm.

$\frac{3}{4}$ " peamouth III 8.8 cm 7.3 gm.

set F | 3/4" | sockeye | length, weight unknown - cut-throat head attached and badly mangled

sockeye age, 8.3 cm, 5.65 gm

sockeye age, 8.8 cm, 5.90 gm.

Cut-throat ? age, 34.5 cm, 449 gm.

stomach; salmonid (prob. sock.) approx. 7.5 cm.

1.0" cut-throat IV age, 36.0 cm., 457 gm

stomach; stickleback - 2.8 cm (good cond.)

-2.8 cm (✓)

-2.4 cm (✓)

sockeye - 7.7 cm (✓)

salmonid, prob. sockeye O age.

sockeye - 8.0 cm (good cond.)

fish rem. (sp. column, prob. salmon).

cut-throat III age, 24.5 cm., 153 gm.

stomach; stickleback appr. 2.0 cm.

fish rem, prob. stick. (one fish)

20⁺ mysis

10⁺ insects (Dipt.)

cut-throat ? age, 24.5 cm., 154.5

stomach; partly digested remains of
us + mysis - approx 20
individuals.

set G	3/4"	sockeye	0 age, 8.3 cm, 5.4 gm.
		sockeye	0 age, 7.5 cm, 4.8 gm.
	1.0"	peamouth	12.5 cm, 19.7 gm.
	1 1/4"	peamouth	16.8 cm, 44.5 gm.

Set H - Set in calm, overcast & raining @ 09:30 4/11/54
 wind began in A.M. 5/11/54, continuing till night (force up to 4)
 preventing pick up of net, freshet conditions caused lake
 level rise. Net picked up 6/11/54 A.M. - wind dropped to
 force 2. Buoys between 1/2" & 3/4" washed away, probably
 dropping ends of 2 nets to bottom. Rest of nets remained
 suspended.

3/11 1/2"	stickleback	4.5 cm	0.6 gm
	sculpin	4.7 cm	0.8 gm
		15.5 cm	50.0 gm.

3/4"	stickleback	4.7 cm.	0.9 gm.
	sculpin	7.4 cm.	3.9 gm
		7.7 cm.	4.2 gm
		7.8 cm.	4.2 gm
		7.1 cm.	3.5 gm

sockeye	0 age	8.3 cm	5.4 gm	Probable night of capture
		7.8 cm	3.7 gm	
		8.2 cm	6.0 gm.	
		app. 8.0 cm	app. (6.1 gm)	
		8.6 7.5 8.6 cm	5.8 gm	
		0 age	7.9 cm	

1.0"	sockeye	1 st app	13.0 cm	app. 22.2 gm	4/11	anal fin = not observed
	peamouth		11.5 cm			

1 1/4"

Sockeye

2'

	14.5 cm	29.3 gm	5/11
app.	14.0 cm	31.4 gm	4/11
	13.2 cm	23.3 gm	5/11
	11.1 cm	12.5 gm	5/11

anal rays = 16
long gill rakers - app 30

Dolly varden -

29.5 cm.
Stomach;
Remains of small fish
2 mysids.

- 25.0 cm
stom. empty

- 28.0
2 Trichoptera

- 21.5
empty.

- 23.5
empty.

"

Cut-Throat -

37.0
stom 8 Trichopt.

31.5
stom. eaten.

Pearcuth

19.5 cm.

set J	3/16"	sculpin	5.2 cm	
			7.9 cm	
	3/4"	sculpin	12.4 cm	
			5.3 cm	
			7.6 cm	
			7.2 cm	
			7.6 cm	
		sockeye	8.3 cm	5.45 gm
	1.0"	sockeye	7.8 cm	4.55 gm
			8.4 cm	5.70 gm
			11.8 cm	15.40 gm
		coho	8.7 cm	6.25 gm

set K	3/4"	sockeye	6.3 cm	2.2 gm
	1.0"	peamouth	9.5 cm	8.7 gm
			9.3	9.4
			8.2	6.0
			8.0	6.3
			8.6	6.5
			9.6	9.3
		sockeye	app 7.7	5.2

- scale book number
- ①
 - ②
 - ③
 - ④
 - ⑤
 - ⑥

1 1/4" peamouth lengths: 11.1, 11.4, 11.3, 10.7, 11.3, 10.5, 11.5, 10.6, 12.7, 11.2, 10.9, 10.8, 10.7, 11.5, 10.5, 10.8, 10.4, 12.2, 10.5, 11.0, 10.5, 11.3, 12.0, 10.5, 11.5, 11.1, 10.8, 11.1, 10.4, 11.1, 11.9, 11.2

weights (not related to lengths - scale book numbers associated with weights)

15.9, 14.1, 12.0, 13.4, 13.8, 15.0, 19.6, 13.1, 18.1, 18.9, 15.8, 12.5, 17.1, 14.0, 13.4, 13.9, 12.8, 13.4, 15.6, 15.2, 14.9, 14.0, 12.9, 13.1, 15.2, 12.1, 15.1, 13.1, 15.5, 15.5, 14.0, 14.0

squawfish	11.0 cm	14.4 gm
	11.1	15.0
	10.8	14.1
	12.1	17.8
	11.0	13.0
shiner sockeye	9.3	10.0

Set L. 3/4" - Sockeye 8.2 cm, 7.6 gm.
8.6 cm, 7.9 gm.

permouth 15.5 cm, 37.1 gm

cut throat 24.6 160.5 ♀ imm.
Trace insect remains.

24.5 142.0 ♂ imm.
stom empty.

22.8 111.5 gm ♀ imm.
stom empty.

Set M. 1/2" Sculpin

3/4" Sockeye

4.8 cm 1.0 gm.

8.1 cm 5.6 g

8.1 cm 4.9 g.

8.6 cm 6.0 g.

8.1 cm -

permouth 9.1 6.9

8.6 6.1

8.7 6.4

8.8 7.3

Sculpin 6.7 4.7

6.6 2.8

1" permouth 10.5 13.7

10.2 14.8

11.5 15.7

11.8 16.4

11.0 14.1

11.6 16.4

11.2 14.0

11.1 14.9

11.8 17.1

10.8 12.4

10.8 14.0

11.2 16.4

11.9 16.9

11.1 15.1

11.2 15.1

Squawfish 11.1 14.4

SET	MESH	SPECIES	LENGTH	WEIGHT	SET	MESH	SPECIES	LENGTH	WEIGHT
M	1/4"	Pearmouth	15.5	37.6	N	1"	Pearmouth	11.0	13.4
			12.9	23.1				11.0	13.4
			13.1	25.6				11.0	13.6
			12.8	22.8				10.9	13.7
			14.5	31.8				11.5	16.1
			14.0	27.8				10.8	13.0
			15.6	40.0				11.0	14.1
			15.6	45.0				11.0	13.4
			15.2	29.6				10.7	12.9
			16.2	38.2				11.3	13.9
			12.8	21.7				11.6	16.0
			12.4	20.9				10.8	13.1
		Squawfish	17.6	58.9				12.0	18.4
			17.5	53.1				11.0	12.7
			13.5	25.8				11.8	16.2
			13.0	23.4				10.8	12.0
			13.0	23.4				11.1	14.4
			15.2	40.5				12.0	17.6
		D. Vaiden	25.0	187.0 ⁰⁻² A4364				10.9	13.1
N	3/4"	Socheye	8.7	5.7			Squawfish	10.1	10.2
			8.2	5.0				11.0	14.7
		Pearmouth	9.9	10.6				11.3	15.1
			9.3	8.3				12.6	20.0
			8.9	7.4				11.2	14.3
			8.0	5.2				11.0	13.4
		Squawfish	8.7	6.9				10.8	12.4
			11.2	16.1				11.0	13.1
	1"	Pearmouth	-	-				12.2	17.8
			10.4	13.1			Shiner	9.1	9.0
			10.8	13.5		1/4"	Pearmouth	13.7	26.8
			-	18.1				13.5	47.3
			12.6	21.0				15.2	34.1
			11.3	14.3				14.5	31.6
			12.2	19.1				14.8	34.6
			11.2	13.8				15.3	39.5
			11.7	16.2				15.0	35.7
			12.8	21.2				14.5	31.1
			12.2	19.9				17.1	52.5
			-	15.4				15.0	32.1
			11.5	15.6				16.2	47.0

SET	MESH	SPECIES	Length	Weight	Length	to
	1/4"	Catfish	36.5	665.5	♀ matry	43139
			32.2	380	♀ matry	43147
			27.0	206	un	→ 43126
		Parrotfish	16.2			
			12.8			
			14.5	83.5		
			13.0			
			13.5			
			14.3			
			12.8			
			12.8	24.1		
			13.4			
			12.4			
			13.1			
		Squirrelfish	13.3	25.0		
			13.2	25.0		
		Goatfish	7.2	4.0		
			7.5	3.8		
			8.0	5.6		
			7.7	5.0		
			7.3	4.3		
		1 Sculpin				

SET	MESH	SPECIES	LENGTH	WEIGHT	SET	MESH	SPECIES	LENGTH	WEIGHT	SET	MESH	SPECIES	LENGTH	WEIGHT
P	1 1/4"	Peamouth	16.1		R	1"	peamouth	11.2		T	1/2"	Incupin		
			16.0					12.4			3/4"	Socheye	8.5	6.1
			15.2					11.9					8.4	6.8
			16.3	45.6				11.4	15.7				8.4	6.2
			14.9					11.2					8.7	6.8
			13.5					11.4					8.8	8.0
			16.3					11.4					9.7	6.7
			14.1					11.1					8.4	6.2
			16.4	47.8				11.7	16.3				8.9	6.4
			14.4					11.5					8.0	5.25
			15.0					10.8					8.3	5.2
			14.3					11.9					8.5	6.3
			13.2					11.2					8.2	6.3
			17.5	55.5				11.4	16.2			peamouth	8.6	6.3
			14.8					11.0	14.4				8.8	7.3
		Squawfish	13.2	37.2			Squawfish	17.2	46.4				9.0	7.1
			14.4	41.8			D Varden	13.5	24.9				9.1	8.2
			15.4	42.6		1 1/4"	2 Sculpins	15.3					28.5	243.5
							peamouth	15.3			1"	Cut-throat	27.2	200.0
		Socheye	14.3	29.8				15.7				peamouth	11.4	
		D Varden	21.1	96.1				16.5					11.2	
								14.5	31.6				11.9	
Q	3/4"	Socheye	8.4	5.4				14.4					11.0	
			8.8	5.8				15.4					11.8	17.1
			7.9	4.6				14.3					10.1	
			8.7	5.8				14.3					11.1	
			8.7	5.8				13.0	23.5				11.6	
			8.3	5.0				13.4	23.8				11.2	
			8.3	5.0			Socheye	7.5	4.1				11.3	14.4
			9.4	6.3				21.7	106.9				11.4	
	1"		8.0	4.6			D Varden	34.2	926.5				12.2	
	1 1/4"	Cut-throat	37.6	510.4				8.7	6.8				11.6	
			31.2	283.4			Socheye	8.7	6.5				10.5	
R	1/2"	Socheye	8	4.7		3/4"	Cut-throat	8.5	5.9				11.2	14.5
			8.6	6.3				8.3	5.4				10.2	
			8.9	7.7									12.5	19.7
			8.2	5.3									7.9	4.9
		Peamouth	9.7	7.7		1"	Incupin	14.1	28.5				7.1	3.7
			9.2	8.1		1 1/4"	peamouth	6.0	2.5				8.1	5.4
	3/4"	Socheye	8.1	4.9			Socheye	6.5	2.9				12.0	
	1"		12.0	18.4				6.5	2.9					
		peamouth	12.9					6.5	2.9					