ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF SPORT FISH

FISH SAMPLING SUMMARY

WATER NAME Tolsona Lake

LOCATION _____

DATE	TYPE GEAR	FISH SPECIES*	AGE CLASS	NUMBER IN SAMPLE	HOURS OF EFFORT	LENGTH RANGE MM	MEAN LENGTH MM	~~WEIGHT~~ Freq. RANGE	Comp. ~~MEAN WEIGHT~~
7/13/60	125' Exp (2)	GR		19	40	229-139		.47	38
		SK		30	40	279-152		.75	62
7/27/63	125' Exp (2)	GR		20	36	343-180	251	.56	83.6
		SS		4	36	305-234	269	.11	~~16.5~~ 17
8/24/65	Gill Net	GR		39	17	399-193	203	2.3	69
		SS		7	17	493-356	439	.41	12
		SK		11	17	411-170	323	.64	19
6/28/66	100' Gill Net	GR		162	38	414-178	307	4.27	79
		SK		27	38	437-254	284	0.71	13
		SS		15	38	475-168	216	0.39	8
7/6/67	2 Gill Nets	SS		17	36	359-147	207	0.47	25
		GR		5	36	318-176	239	0.14	7
		SK		45	36	—	—	1.2	68
8/6/68	(2) 125' Exp.	LNS		56	32	455-104	256	1.8	60
		SS		18	32	375-285	340	0.6	19
		GR		17	32	195-115	135	0.5	18
		BB		3	32	—	—	0.1	13
5/5/69	(2) 125' Exp.	GR		40		370-122	247	1.05	40
		SK		52		450-125		1.36	52

*RB — RAINBOW TROUT
BT — BROOK TROUT
SS — SILVER SALMON
CT — CUTTHROAT
LT — LAKE TROUT
DV — DOLLY VARDEN
C — ARCTIC CHAR

SH — STEELHEAD
KS — KING SALMON
WF — WHITEFISH
SK — SUCKER
SB — STICKLEBACK
CD — COTTIDAE sp.
S — SHEEFISH

RS — RED SALMON
BB — BURBOT
GR — GRAYLING
P — PIKE
DS — CHUM SALMON
PS — PINK SALMON
K — KOKANEE

(13)

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF SPORT FISH

FISH SAMPLING SUMMARY

WATER NAME Tolsona Lake

LOCATION _____

DATE	TYPE GEAR	FISH SPECIES*	AGE CLASS	NUMBER IN SAMPLE	HOURS OF EFFORT	LENGTH RANGE MM	MEAN LENGTH MM	~~WEIGHT~~ Freq. RANGE	~~MEAN WEIGHT~~ Comp.
5/5/69	125(2) EXP.	BB		8		—	—	0.21	8
6/12/70	125'(2) Gill Net	GR		107	49	160-370	231	218	89%
		SK		12	49	310-435	391	.24	10%
		BB		2	49	530-580	555	0.04	1%
6/4/71	125' 2	GR		75	45	132-332	249	1.66	88 %
		LNS		9		300-447	411	.20	11
		BB		1				02	1
7/20/72	2 125	GR		79	38	100-440	295	2.1	.89
		SK		10		310-450	365	.25	.11
6/6/73	2 125	GR		107	39	110-410	263	2.74	78
		SK		28		240-490	377	.71	21
		BB		1		560	560	.03	1
6/18/74	2 125' Gill Nets	BB		1	44 22	560	560	~~.045~~ .02	.83
6/18/74	2 125' Gill Nets	SK		20	44 22	105-430	267	94.45	16.7
6/18/74	2 125' Gill Nets	GR		99	44 22	120-375	247	~~4.225~~ 2.25	82.47
6/18/75	2 125' Gill Nets	GR		106	42	101-410	220	2.25	19 ~~18.5~~
6/18/75	2 125' Gill Net	SK		466				11.1	81.2
6/10/76	2 125' Gill Net	GR.		119	48	126-409	300	2.48	31%
"	"	SK		260	48	96-458	221	5.41	68%
6/10/76	"	D.V.		1	48	346	346	.02	01%

*RB — RAINBOW TROUT
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KS — KING SALMON
WF — WHITEFISH
SK — SUCKER
SB — STICKLEBACK
CD — COTTIDAE sp.
S — SHEEFISH

RS — RED SALMON
BB — BURBOT
GR — GRAYLING
P — PIKE
DS — CHUM SALMON
PS — PINK SALMON
K — KOKANEE

2/69
G-210

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF SPORT FISH

FISH SAMPLING SUMMARY

WATER NAME TOLSONA LK

LOCATION _____

DATE	TYPE GEAR	FISH SPECIES*	AGE CLASS	NUMBER IN SAMPLE	HOURS OF EFFORT	LENGTH RANGE MM	MEAN LENGTH MM	FREQ. ~~WEIGHT~~ RANGE	COMP. ~~MEAN WEIGHT~~
2/3/77	125' (1) Gill Net	GR		3	23	300-390	358	.13	50 %
		SK		3		250-330	277	.13	50 %
3/2/77	125' 1 Gill Net	GR		7	24	210-385	284	.29	23 %
		SK		23		210-400	254	.96	77 %
6/8/77	125' 1 Gillnet	SK		88	22	180-485	246	4.00	49.7%
		GR		88		140-400	237	4.00	49.7%
		BB		1		410	410	.045	.6 %
6/20/78	125 1 Gillnet	GR		47	19	101-368	245 ~~229~~	2.47	77 %
		SK		14				.73	23 %
6/19/79	(2) 125' Gill Net	GR.		34	52	135-385	259	.65	24 %
		SK.		109	52	95-490	256	2.10	76 %
7/31/79	2 125' Gill Net	GR	17 of 40 GR. were too clipped	40	48	210-385	294	.83	45 %
		SK		49	48	160-455	297	1.02	55 %
1979 Combined	4 nets	GR		74	100	135-488		.74	32 %
		SK		158		95-455		1.58	68
1980	2 125	GR		23	~~48~~ 44	170-380	242	~~.53~~	
		LN SK Chum		51	44	100-410	~~331~~ 266	1.16	
		BB		1	44	130	130	.02	
		4 GR 425-380		marked at Beadie Cr. in May 1979					

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WF — WHITEFISH
SK — SUCKER
SB — STICKLEBACK
CD — COTTIDAE sp.
S — SHEEFISH

RS — RED SALMON
BB — BURBOT
GR — GRAYLING
P — PIKE
DS — CHUM SALMON
PS — PINK SALMON
K — KOKANEE

2/69
G-210

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF SPORT FISH

FISH SAMPLING SUMMARY

WATER NAME Talsona Lk

LOCATION _____

DATE	TYPE GEAR	FISH SPECIES*	AGE CLASS	NUMBER IN SAMPLE	HOURS OF EFFORT	LENGTH RANGE MM	MEAN LENGTH MM	Freq WEIGHT RANGE	Comp MEAN WEIGHT
7/6/81	2 vari gill nets	Suckers		62 2 unmeasured	47	115-420	288.4	1.3	.91
"	"	GR		5	47	95-195	155	.11	.07
"	"	BB		1	47	150		.02	.02
8/13/82	2 125' gill nets	GR		16	48	200-360	230	0.33	18%
		RT		5	"	325-360	343	0.10	5%
		SK		70	"	210-445	360	1.46	77%
10/4/84	4 hyke nets	GR		1	204:40	215	-	0.005	25%
	"	BB		2	204:40	330-520		0.01	50%
	"	SK		1	204:40	445	-	0.005	25%

*RB — RAINBOW TROUT
ST — BROOK TROUT
SS — SILVER SALMON
CT — CUTTHROAT
LT — LAKE TROUT
DV — DOLLY VARDEN
AC — ARCTIC CHAR

SH — STEELHEAD
KS — KING SALMON
WF — WHITEFISH
SK — SUCKER
SB — STICKLEBACK
CD — COTTIDAE sp.
S — SHEEFISH

RS — RED SALMON
BB — BURBOT
GR — GRAYLING
P — PIKE
DS — CHUM SALMON
PS — PINK SALMON
K — KOKANEE

2/69
FG-210

14	14
355	397
353	328
364	330
364	
388	
356	
409	
401	
395	
336	
359	
370	
375	
333	
343	

HHS Fleas/Sample

Tot # of Sample / # in Sample / %

185	164	231	306	306
187	219	142	364	270
210	212	192	277	243
191	231	231	368	318
271	213	175	323	439
245	172	175	404	389
169	256	191	458	405
181	274	190	395	
174	170	121	353	
177	191	175		
181	176	185		
211	160	118		
195	235	150		
215	167	225		
182	171	300		
	211	295		

176

Tolsona Lake

PIKE LINE

137		243	362
145		294	363
173	263	287	337
204	307	367	353
179	263	330	327
204	271	361	356
145		382	318
126	261	308	348
128	242	384	318
140	267	356	359
260	239	242	352
288	299	362	349
221	314	325	364
	219	347	379

June 10

TOLSONA LAKE

SUCKER'S

348	152	203	187
211	249	262	163
203	210	219	196
289	278	205	213
205	224	176	187
212	217	174	174
178	217	208	165
160	213	215	189
096	178	218	205
210	178	245	180
200	174	219	182
182	247	185	204
153	228	216	188
	175	177	186

2 NETS
24 hrs Each.

Tolsona Lake June 10, 1976

Grayling	Sucker's
119	260

126-409

DOLLY VARDEN (Showed This fish TB Mike P. too")

1 — 346 mm

3
7
~~8~~
98

LENGTH-FREQUENCY

LAKE Tolsona LOCATION _____ DATE 6/20/78

COLLECTION METHOD 125' float gill net set 6/19/78 2:30PM pulled 6/20/78 9:30AM 19 hrs

LENGTH IN MILIMETERS	SPECIES GR		SK	
25.5-38.1				
38.2-50.8			14	
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6				
101.7-114.3	II			
114.4-127.0	III			
127.1-139.7	I			
139.8-152.4				
152.5-165.1				
165.2-177.8				
177.9-190.5				
190.6-203.2				
203.3-215-9				
216.0-228.6	IIII			
228.7-241.3	~~IIII~~ ~~IIII~~ I			
241.4-254.0	~~IIII~~ I			
254.1-266.7	~~IIII~~ IIII			
266.8-279.4	II			
279.5-292.1	II			
292.2-304.8	3 not measured	I		
304.9-317.5				
317.6-330.2	I			
330.3-342.9				
343.0-355.6	II			
355.7-368.3	I			
368.4-381.0				
381.1-393.7				
393.8-406.4				
406.5-419.1				
419.2-431.8				
431.9-444.5				
444.6-457.2				
457.3-469.9				
470.0-482.6				
482.7-495.3				
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

Use other side of sheet for larger fish

LENGTH-FREQUENCY

LAKE Tolsona LOCATION west Far side to right of blue house DATE June 8, 1977

COLLECTION METHOD 125' gillnet

LENGTH IN MILIMETERS	SPECIES: Suckers	Grayling	Burbot	
25.5-38.1				
38.2-50.8				
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6				
101.7-114.3				
114.4-127.0				
127.1-139.7				
139.8-152.4		2		
152.5-165.1				
165.2-177.8		2		
177.9-190.5	5	10		
190.6-203.2	2	15		
203.3-215-9	5	20		
216.0-228.6	6	14		
228.7-241.3	45	3		
241.4-254.0	12	3		
254.1-266.7	5	2		
266.8-279.4		2		
279.5-292.1	2	1		
292.2-304.8				
304.9-317.5		1		
317.6-330.2	1	1		
330.3-342.9		1		
343.0-355.6	1	1		
355.7-368.3		1		
368.4-381.0		5		
381.1-393.7		3		
393.8-406.4		1		
406.5-419.1			1	
419.2-431.8				
431.9-444.5				
444.6-457.2	1			
457.3-469.9	1			
470.0-482.6	1			
482.7-495.3	1			
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

Use other side of sheet for larger fish

(88) (88) (1)

LENGTH-FREQUENCY

LAKE Tolsona LOCATION _____ DATE 1975

COLLECTION METHOD _____

LENGTH IN MILIMETERS	10	20	SPECIES GR	
25.5-38.1				
38.2-50.8				
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6				
101.7-114.3	XXX			
114.4-127.0	XXXXX			
127.1-139.7	X			
139.8-152.4	XX	11		
152.5-165.1				
165.2-177.8				
177.9-190.5	X			
190.6-203.2	XX			
203.3-215-9	XXXXXXX	6		
216.0-228.6	XXXXXXXXXXX	XXXXXX	16	
228.7-241.3	XXXXXXXXXXX	XX		
241.4-254.0	XXXXXXXXXXX	XX	24	
254.1-266.7	XXXXXX		6	
266.8-279.4				
279.5-292.1	XXX			
292.2-304.8	XXXXX			
304.9-317.5	XXXX		11	
317.6-330.2	XXXXXXXXXXX	X	14	
330.3-342.9	XXX			
343.0-355.6	XXXX		7	
355.7-368.3	XX		2	
368.4-381.0	XXXXXXXXXXX	XX	16	
381.1-393.7	XXXX			
393.8-406.4	X		6	
406.5-419.1	X			
419.2-431.8				
431.9-444.5				
444.6-457.2				
457.3-469.9				
470.0-482.6				
482.7-495.3				
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

Use other side of sheet for larger fish

LENGTH-FREQUENCY

LAKE Tolsona LOCATION _____ DATE 6/18/74

COLLECTION METHOD 2 - 125' Test nets

LENGTH IN MILIMETERS	SPECIES			
25.5-38.1				
38.2-50.8				
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6				
101.7-114.3				
114.4-127.0	/			
127.1-139.7				
139.8-152.4				
152.5-165.1	///			
165.2-177.3	////			
177.9-190.5	//			
190.6-203.2	//			
203.3-215-9				
216.0-228.6				
228.7-241.3				
241.4-254.0				
254.1-266.7	//			
266.8-279.4				
279.5-292.1	//			
292.2-304.8	/			
304.9-317.5	/			
317.6-330.2				
330.3-342.9	/			
343.0-355.6	/			
355.7-368.3	//			
368.4-381.0	//			
381.1-393.7				
393.8-406.4				
406.5-419.1				
419.2-431.8				
431.9-444.5				
444.6-457.2				
457.3-469.9				
470.0-482.6				
482.7-495.3				
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

Use other side of sheet for larger fish

Tolsona Lake 2 rods 6/6 To 6/7

Grayling					4pm To 11:30am
400	330	150	Suckers		Burbot
355	365	110	410	440	560
350	400	130	440	345	
390	380	130	335	240	
360	300	170			
350	360	150			
320	365	120			
325	370	180			
410	180	130			
200	315	135			

Water Temp 46

107 grayling

28 suckers

1 burbot

(39) 1880

2603 ft

6

1973

LENGTH-FREQUENCY

LAKE Folsom LOCATION _____ DATE June 6, 1925

COLLECTION METHOD Test nets

LENGTH IN MILIMETERS	SPECIES			
25.5-38.1				
38.2-50.8				
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6				
101.7-114.3	/			
114.4-127.0				
127.1-139.7	////			
139.8-152.4	//			
152.5-165.1				
165.2-177.3	//			
177.9-190.5	//			
190.6-203.2	/			
203.3-215-9	/			
216.0-228.6				
228.7-241.3				
241.4-254.0				
254.1-266.7				
266.8-279.4				
279.5-292.1				
292.2-304.8	/			
304.9-317.5				
317.6-330.2	///			
330.3-342.9				
343.0-355.6	///			
355.7-368.3	////			
368.4-381.0	//			
381.1-393.7	/			
393.8-406.4	//			
406.5-419.1	/			
419.2-431.8				
431.9-444.5				
444.6-457.2				
457.3-469.9				
470.0-482.6				
482.7-495.3				
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

Use other side of sheet for larger fish

LENGTH-FREQUENCY

LAKE Tolsona LOCATION _____ DATE 7/20/72

COLLECTION METHOD 2 - 125 4si nets

LENGTH IN MILIMETERS	SPECIES			
25.5-38.1				
38.2-50.8				
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6	1			
101.7-114.3	1	6%		
114.4-127.0	11 5			
127.1-139.7				
139.8-152.4	1			
152.5-165.1				
165.2-177.8				
177.9-190.5				
190.6-203.2				
203.3-215-9				
216.0-228.6				
228.7-241.3	11			
241.4-254.0				
254.1-266.7	𝍸			
266.8-279.4	𝍸 𝍸 𝍸	𝍸		
279.5-292.1	𝍸 𝍸 𝍸	1111		
292.2-304.8	𝍸			
304.9-317.5				
317.6-330.2	𝍸			
330.3-342.9	𝍸 111			
343.0-355.6	𝍸 111			
355.7-368.3				
368.4-381.0	1			
381.1-393.7				
393.8-406.4	1			
406.5-419.1				
419.2-431.8				
431.9-444.5				
444.6-457.2				
457.3-469.9				
470.0-482.6				
482.7-495.3				
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

Use other side of sheet for larger fish

LENGTH-FREQUENCY

LAKE Tolsona LOCATION _____ DATE 6/4-6/5/71

COLLECTION METHOD 3-125' exp mst

SPECIES 6

LENGTH IN MILIMETERS	GR			
25.5-38.1				
38.2-50.8				
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6				
101.7-114.3				
114.4-127.0	11			
127.1-139.7	𝍸 1		40%	
139.8-152.4	𝍸 11	23		
152.5-165.1	111			
165.2-177.3	11			
177.9-190.5				
190.6-203.2				
203.3-215-9				
216.0-223.6				
228.7-241.3				
241.4-254.0				
254.1-266.7				
266.8-279.4	𝍸 𝍸			
279.5-292.1	𝍸 1111			
292.2-304.8	11			
304.9-317.5	𝍸	34		
317.6-330.2	111			
330.3-342.9	111			
343.0-355.6	111			
355.7-368.3				
368.4-381.0				
381.1-393.7				
393.8-406.4				
406.5-419.1				
419.2-431.8				
431.9-444.5				
444.6-457.2				
457.3-469.9				
470.0-482.6				
482.7-495.3				
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

Use other side of sheet for larger fish

LENGTH-FREQUENCY

LAKE Tolsona LOCATION _____ DATE 6/12/70

COLLECTION METHOD Gill Net

LENGTH IN MILIMETERS	SPECIES: Grayling			
25.5-38.1				
38.2-50.8				
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6				
101.7-114.3				
114.4-127.0				
127.1-139.7				
139.8-152.4				
152.5-165.1	I	55%		
165.2-177.8	IIII IIII IIII IIII			
177.9-190.5	IIII IIII IIII IIII I	57		
190.6-203.2	IIII I			
203.3-215-9	I			
216.0-228.6				
228.7-241.3				
241.4-254.0				
254.1-266.7	II			
266.8-279.4	IIII II			
279.5-292.1	IIII IIII I	47		
292.2-304.8	IIII II			
304.9-317.5	III			
317.6-330.2	II			
330.3-342.9				
343.0-355.6				
355.7-368.3	II			
368.4-381.0	I			
381.1-393.7				
393.8-406.4				
406.5-419.1				
419.2-431.8				
431.9-444.5				
444.6-457.2				
457.3-469.9				
470.0-482.6				
482.7-495.3				
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

Use other side of sheet for larger fish

LENGTH-FREQUENCY

LAKE Tolsona LOCATION _____ DATE 6/5/69

COLLECTION METHOD Test nets (2)

SPECIES Grayling

LENGTH IN MILIMETERS				
25.5-38.1				
38.2-50.8				
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6				
101.7-114.3				
114.4-127.0	1			
127.1-139.7				
139.8-152.4	II	I + 32 = 33		
152.5-165.1	III			
165.2-177.8	1	8		
177.9-190.5	1			
190.6-203.2				
203.3-215-9	III			
216.0-228.6	IIII 1	II +		
228.7-241.3	III			
241.4-254.0	II	17		
254.1-266.7	III			
266.8-279.4				
279.5-292.1				
292.2-304.8				
304.9-317.5				
317.6-330.2	IIII			
330.3-342.9				
343.0-355.6	II			
355.7-368.3	III			
368.4-381.0	1			
381.1-393.7				
393.8-406.4				
406.5-419.1				
419.2-431.8				
431.9-444.5				
444.6-457.2				
457.3-469.9				
470.0-482.6				
482.7-495.3				
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

Use other side of sheet for larger fish

LENGTH-FREQUENCY

LAKE Tolsona LOCATION _____ DATE 79

COLLECTION METHOD 2 125' Fyke nets - Twice

SPECIES Crayling

LENGTH IN MILIMETERS	6/19/79	7/31/79	6/20/78	6/8/77
25.5-38.1				
38.2-50.8				
50.9-63.5				
63.6-76-2				
76.3-88.9				
89.0-101.6				
101.7-114.3			II	
114.4-127.0			III	
I 127.1-139.7	I		I	
139.8-152.4				II
152.5-165.1				
165.2-177.8		I		II
177.9-190.5				⧸⧸⧸⧸ ⧸⧸⧸⧸
II 190.6-203.2	III			⧸⧸⧸⧸ ⧸⧸⧸⧸ ⧸⧸⧸⧸
203.3-215-9	⧸⧸⧸⧸ II	I		⧸⧸⧸⧸ ⧸⧸⧸⧸ ⧸⧸⧸⧸ ⧸⧸⧸⧸
216.0-228.6	⧸⧸⧸⧸ I	I	IIII	⧸⧸⧸⧸ ⧸⧸⧸⧸ IIII
228.7-241.3	I	IIII	⧸⧸⧸⧸ ⧸⧸⧸⧸	III
241.4-254.0		IIII	⧸⧸⧸⧸ I	III
III 254.1-266.7	II	⧸⧸⧸⧸ III	⧸⧸⧸⧸ IIII	II
266.8-279.4	I	II	II	II
279.5-292.1	III	I	II	I
292.2-304.8		I		
IV 304.9-317.5	⧸⧸⧸⧸	IIII		I
317.6-330.2	III	I	I	I
330.3-342.9		IIII		I
343.0-355.6		III	II	I
355.7-368.3	II	II	I	I
368.4-381.0		III		⧸⧸⧸⧸
381.1-393.7	I	I		II
393.8-406.4				I
406.5-419.1				
419.2-431.8				
431.9-444.5				
444.6-457.2				
457.3-469.9				
470.0-482.6				
482.7-495.3				
495.4-508.0				
508.1-520.7				
520.8-533.4				
533.5-546.1				
546.2-558.8				
558.9-571.5				
571.6-584.2				
584.3-596.9				
597.0-609.6				
609.7-622.3				
622.4-635.0				
635.1-647.7				
647.8-660.4				
660.5-673.1				
673.2-685.8				
685.9-698.5				

↑ from 1966-67 reports

Use other side of sheet for larger fish

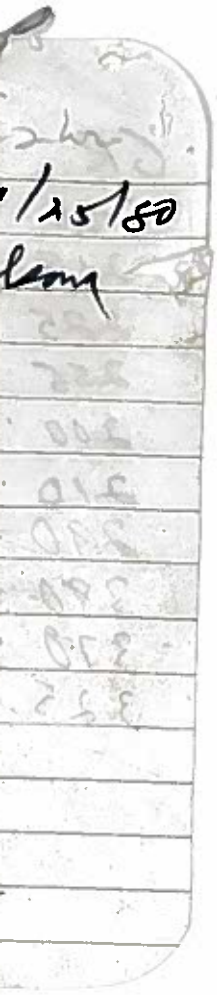
LENGTH-FREQUENCY

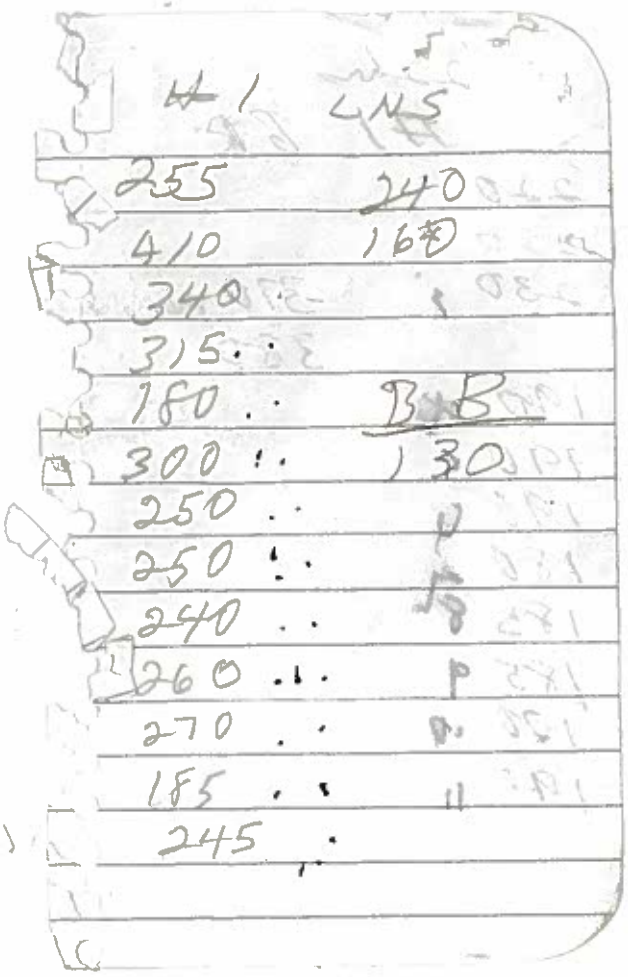
LAKE Tolsona LOCATION _____ Date 7/20/80

COLLECTION METHOD 2 - 125 test net

LENGTH IN MILLIMETERS	GR	SPECIES		
25.1-37.9				
38.1-49.9				
50-62.9				
63-75.9				
76-88.9				
89-100.9				
101-113.9				
114-126.9				
127-139.9				
140-151.9				
152-164.9				
165-177.9	1			
178-190.9	1111 11			
191-202.9	1			
203-215.9	111			
216-228.9	111			
229-241.9	11			
242-254.9				
255-266.9	1			
267-279.9				
280-292.9	1			
293-304.9				
305-317.9				
318-330.9	1			
331-342.9				
343-355.9				
356-368.9				
369-381.9	1111			
382-393.9				
394-406.9				
407-419.9				
420-431.9				
432-444.9				
445-457.9				
458-469.9				
470-482.9				
483-495.9				
496-508.9				
509-520.9				
521-533.9				
534-546.9				
547-558.9				
559-571.9				
572-584.9				
585-596.9				
597-609.9				
610-622.9				
623-635.9				
636-647.9				
648-660.9				
661-673.9				
674-685.9				
686-698.9				

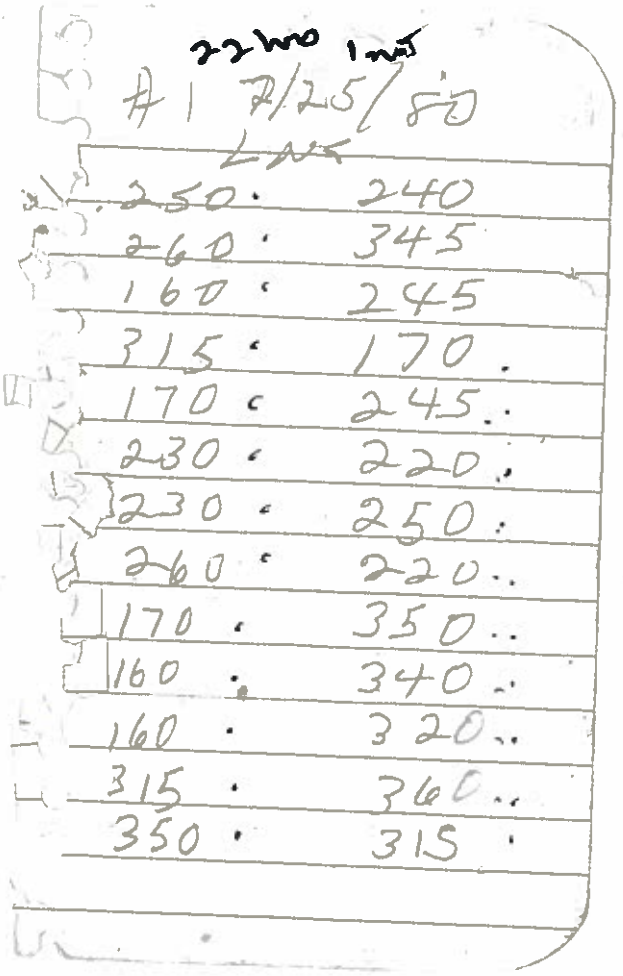
Use other side for larger fish





#1 LNS

255	240
410	160
340	
315	
180	B&B
300	130
250	"
250	"
240	"
260	"
270	"
185	"
245	



2 hrs 1 mt

#1 2/25/50

LNS

250	240
260	345
160	245
315	170
170	245
230	220
230	250
260	220
170	350
160	340
160	320
315	360
350	315

22 hrs
to bench
7/25/00

GR

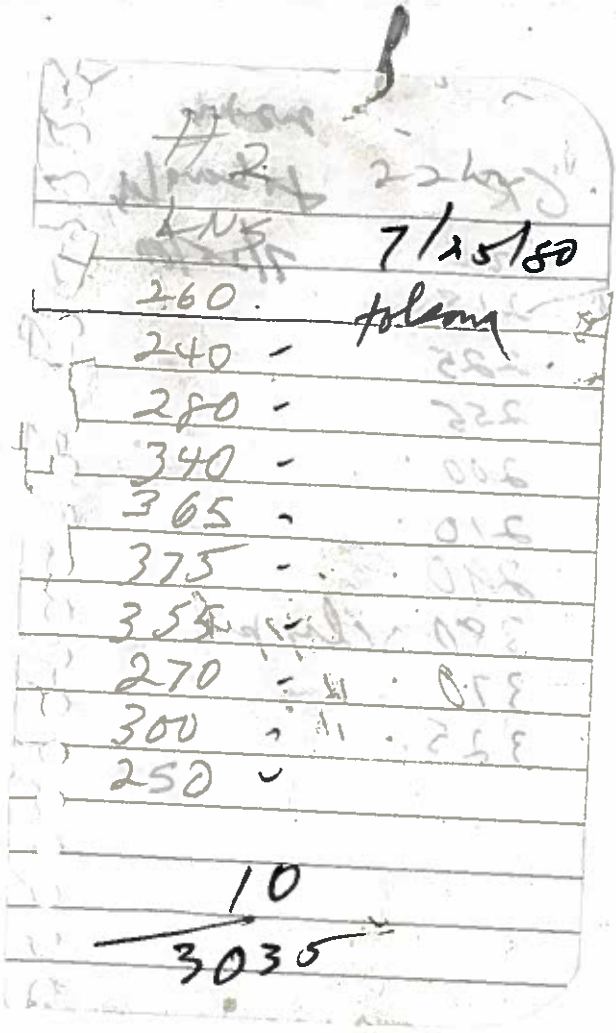
225
255
200
210
290
380 · clipped
370 · "
325 · "

01
2303

23 hrs
#1 GR

220
220
230 370 marked
380

190
190
190
180
185
185
170
190


7/15/50
260
240
280
340
365
375
355
270
300
250
10
3035

Tulsa

Tulsa 6/19/79

#1 2.25 lb

OR	SK		
265	325	250	180
305	240	240	200
360	250	115	245
255	240	255	200
240	250	355	185
220	250	195	250
205	280	250	230
300	160	95	175
135	240	185	
385	250	245	
305	240	195	
205	280	145	
195	350	110	
225	330	360	
	275	265	
	250	100	
	230	150	
	300	225	
	360	250	
	160	240	
	175	180	
	230	230	

206 roughs adipose fin clipped 280 to 385

52

3:10 pm Ended 6/19/79

SK		SK	SK
240	250	340	210
280	270	260	270
210	300	335	215
275	235	340	220
260	255	350	220
255	225	370	200
255	225	275	310
260	220	385	285
295	240	275	320
230	340		290
250	340		200
270	490		225
225	330		225
210	285		365
245	235		280
230	270		310
240	280		330
230	285		210
260	315		210
275	310		325
330	230		20
300	290		14
240	240		34 total
270	270		
	57 + 52 = 109		

7/31/99 11:40 6/2

C 330	225	260
C 340	C 360	230
345	250	255
345	220	245
C 350	C 315	210
375	C 335	C 355
350	C 255	240
C 370	C 380	265
C 385	C 310	255
250	235	C 280
270	255	265
		250

13C 34

SK SOT 2

350	265	290
360	250	250
455	345	255
340	360	240
325	360	325
250	310	
325	360	
265	305	
250	240	33

6/20/79

TO 1:05 PM

	A.	B.	KS
no mouth	5		
bridge	2		
GP	4		
above	.		

SET 1 7/31/79

UR	SK	
240	305	260
335 C	280	170
310 C	275	330
315 C	350	345
295C	355	
275	365	
	295	
	365	
	265	
	260	
	250	
	240	
	350	
	245	
	370	
	190	
	260	
	280	
	250	
	300	
	360	
	160	X

TOLSONA CK. 9/23/77

125 FT. VAR. MESH GILL NET. 23 HRS.

6 ~~Fish All Caught~~ Fish (3 GR & 3 SK.) All CAUGHT IN 2nd LARGEST MESH SIZE IN THE TOP 1½ FOOT OF NET. All fish were CAUGHT WITHIN 15 FEET OF EACH OTHER.

GR.

385 mm ♀ 2 shrimp

390 mm ♂ 1 shrimp

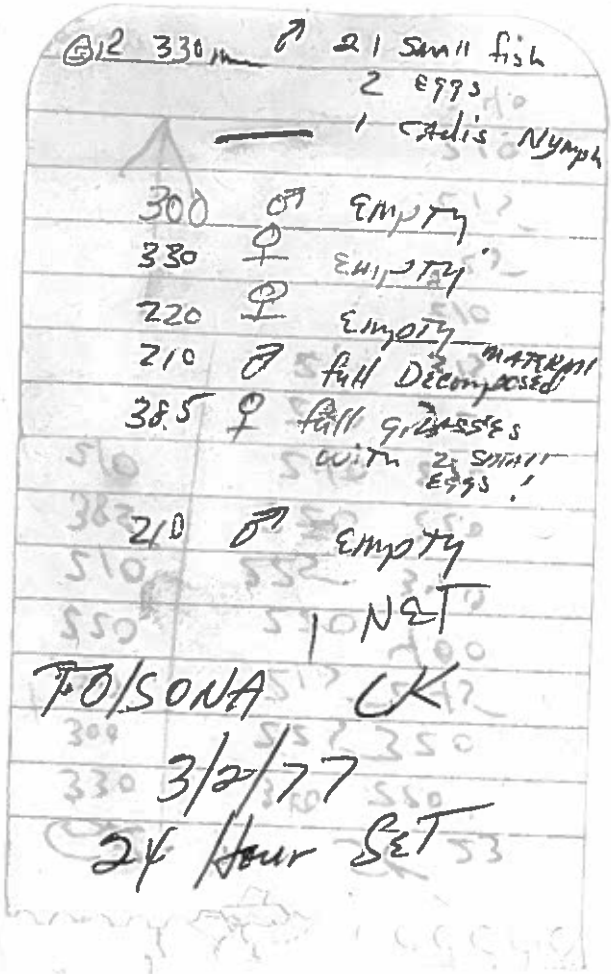
300 mm ♀ 3 shrimp.

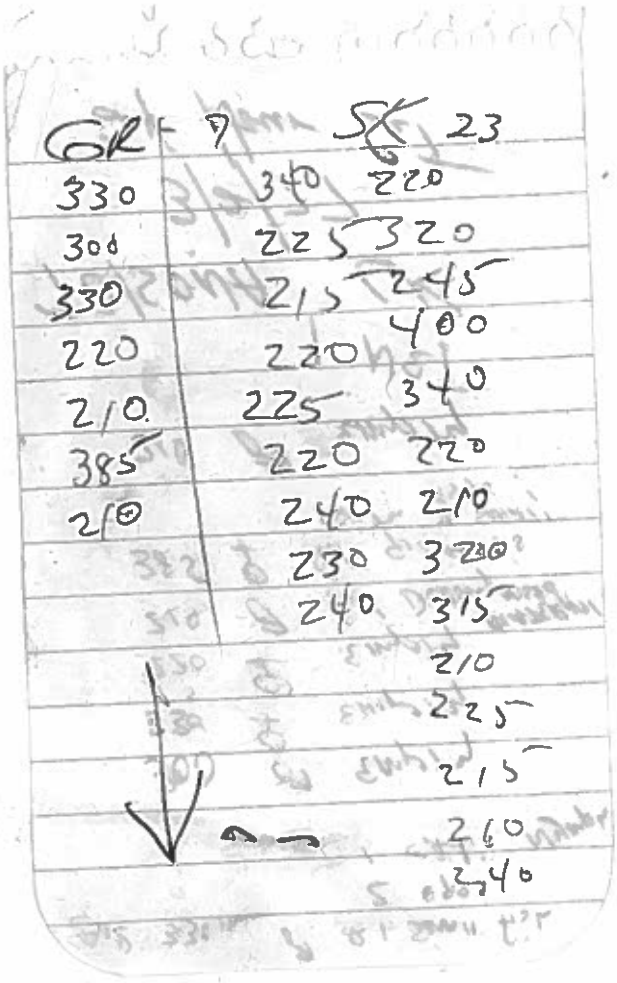
LATER EXAMINATION of STOMACH CONTENTS I found 2 1½ cm (15 mm) fish THAT looked TO BE B.B. would YEARLINGS BE THAT SMALL? only OTHER choice might BE sculpin BUT AS bad AS THEY WERE decomposed THEY looked LIKE B.B. Possibly fall SPAWN B.B.??

SK. 250 mm

250 mm

330 mm


12 330 ♂ 21 small fish
2 eggs
1 Caddis Nymph
300 ♂ Empty
330 ♀ Empty
220 ♀ Empty
210 ♂ full Decomposed
385 ♀ full grasses
with 2 small eggs!
210 ♂ Empty
1 NET
TOISONA OK
3/2/77
24 Hour SET


GR - 7
SC 23
330
340
220
300
225
320
330
215
245
220
220
400
210
225
340
385
220
220
210
240
210
230
320
240
315
210
225
215
240
240

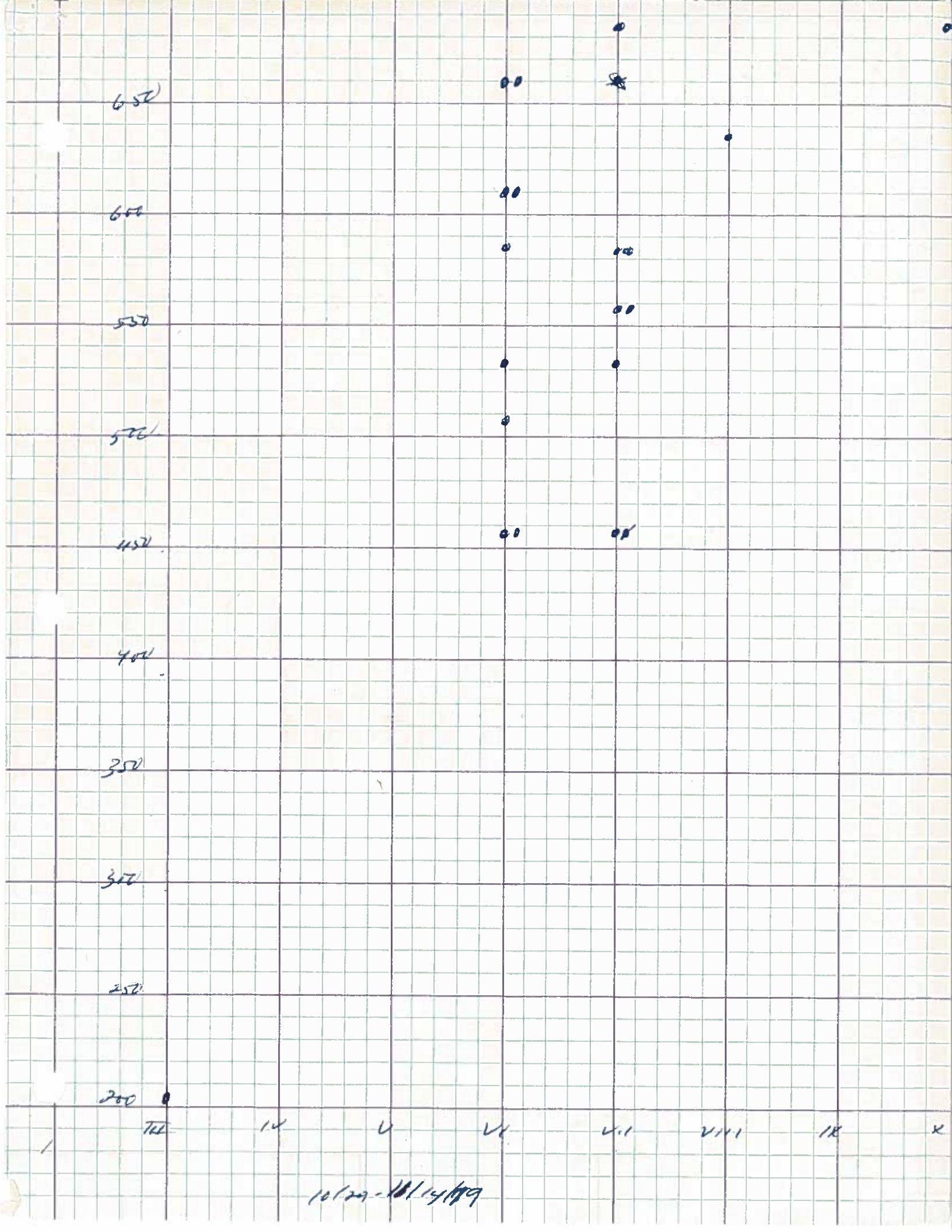
Folsom Lake

folsom lake - collected by P. Zimbicki

Date	length	Sex	Age	
1 10-20-79	635	M	5	
2 "	457	♀	7	
3	559	M	5+	
4 10/30-79	559	M	6	
5 " "	584	M	6	
6 10/30/79	584	—	6	
7 10/30/79	457		5+	
8 10/30/79	508	M	5+	
9 10/30/79	203	—	3	(2+ ?)
10 10/31/79	610	F	6	
11 10/31/79	533	F	6+	
12 10/31/79	660	M	6	+ tubb no development outer rim
13 ~~10/31/79~~	~~483~~	~~F~~		
13 11/1/79	584	M	6	
14 11/1/79	457		5+	
15 11/1/79	660	M	6	
16 11/1/79	610	F	6	
17 11/2/79	686	—	7	
18 11/2/79	533	M	6	
19 11/4/89	686	F	10	rings very small

age 3 - 10

length 203 - 686


650
600
550
500
450
400
350
300
250
200
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
2.8
3.0

TOLSONA CK. 9/23/77

125 FT. VAR. MESH GILL NET. 23 HRS.

6 ~~Fish All Caught~~ Fish (3 GR ? 3 SK.) ALL CAUGHT IN 2ND LARGEST MESH SIZE IN THE TOP 1½ FOOT OF NET. ALL FISH WERE CAUGHT WITHIN 15 FEET OF EACH OTHER.

GR.

385 mm ♀ 2 SHRIMP
390 mm ♂ 1 SHRIMP
300 mm ♀ 3 SHRIMP

LATER EXAMINATION OF STOMACH CONTENTS I FOUND 2 1½ cm (15 mm) FISH THAT LOOKED TO BE B.B. WOULD YEARLINGS BE THAT SMALL? ONLY OTHER CHOICE MIGHT BE SCULPIN BUT AS BAD AS THEY WERE DECOMPOSED THEY LOOKED LIKE B.B. POSSIBLY FALL SPAWN B.B.??

SK. 250 mm
250 mm
330 mm

ALASKA DEPARTMENT OF FISH AND GAME

Division of Sport Fish
Gill-Net Sampling Record

Set No.: 1 Lake Tolsona Lake Location of Set

Weather clear Type of Bottom gravel, silt, sand

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

Type of Set: Floater: Diver: xx

Net Type nylon gill net Length 125' Set: Time 6:00 PM Date 8/23/65

Mesh Size exp. Depth 6' Lift: Time Date 8/24/65

Observer D. P., R. S., D. H. Depth of Set (diver) 1 ft. to 7 ft.
Bottom Depth (floater)

Remarks scales taken from 4 silver salmon Shallow End Mesh Size

	Species	L	L	Sex	Scale No.	Species	L	W	Sex	Scale No.
1	Grayling	12.0	13.6			Silver S.	19.4			
2		12.7	12.8				19.2			
3		12.9	12.7				12.7			
4		14.0	13.3				16.8			
5		13.9	14.4				18.3			
6		14.0	14.0				16.0			
7		12.1					14.0			
8		14.3								
9		11.5				Suckers	15.7			
10		11.0					13.7			
11		12.7					13.8			
12		11.5					16.2			
13		7.6					13.4			
14		11.6					14.6			
15		13.8					12.4			
16		11.4					15.6			
17		11.3					10.5			
18		10.5					6.7			
19		15.7					7.8			
20		7.7								
21		12.8								
22		12.4								
23		12.7								
24		14.3								
25		15.6								
26		13.6								
27		12.4								
28		10.7								
29		11.2								
30		12.0								
31		11.2								
32		12.3								
33		11.7								

TEST-NETTING SUMMARIES
1965

FG-53

Water: Tolsona Lake
Location: mile 170 Glenn Hwy.
Dates: 8/23/65 8/24/65
Total Hours Fished:

Gear Used: exper. gill net

Temperature, Air:
Water:
Weather: clear

No.	Species	Length Range-Ave.		Weight Range-Ave.		Total Weight	Freq.	% Comp.
39	Grayling	7.6 - 15.7	12.4					
7	Silver S.	14.0 - 19.4	17.3					
11	Suckers	6.7 - 16.2	12.7					

REMARKS: (Sketch or describe location of set(s)

Submitted by: D. Pepi

Anchorage

TEST-NETTING SUMMARIES
196__

FG-53

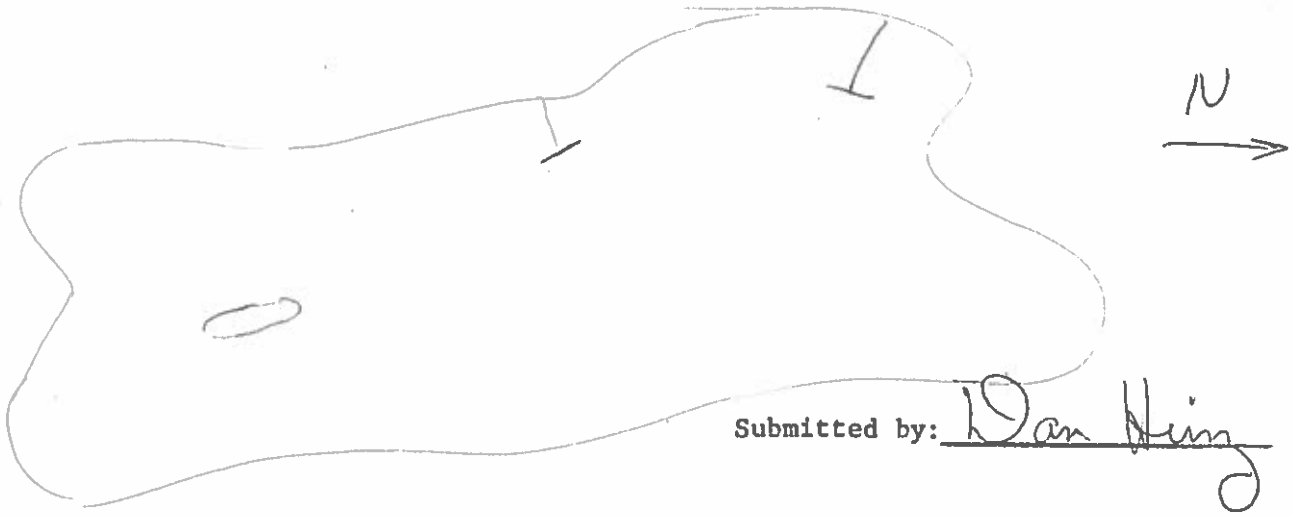
Water: Tolsona Lake
Location: Mile 70 Glenn Hiway
Dates: 6/27/66 — 6/28/66
Total Hours Fished: 38

Gear Used: Gill Net 100'

Temperature, Air: 70°
Water: 61°
Weather: clear

No.	Species	Length Range-Ave.		Weight Range-Ave.		Total Weight	Freq.	% Comp.
162	Grayling	7.0 — 16.3	12.1"	—	—	—	4.27 fish/hr.	79%
27	Suckers	10.0 - 17.2	14.2"	—	—	—	0.71	13%
15	Silver Salmon	6.6 — 18.7	8.5"	—	—	—	0.39	8%

REMARKS: (Sketch or describe location of set(s)



Submitted by: Dan Hing

TEST-NETTING SUMMARIES
196_7

FG-53

Water: Tolsona Lake
Location:
Dates: July 6 1967
Total Hours Fished: ~~46~~ 36

Gear Used: 2 Gill Nets

Temperature, Air:
Water:
Weather:

No.	Species	Length Range-Ave.		Weight Range-Ave.		Total Weight	Freq.	% Comp.
17	Silver	147-354	207				14~~7~~	25%
5	Grayling	176-318	239					7%
							1.8 TOTAL Freq.	
45	Suckers							68%

REMARKS: (Sketch or describe location of set(s)

2 tagged Grayling

Submitted by: Lynn Kutte

TEST-NETTING SUMMARIES
1972

FG-53

Water: TOLSONA
Location: Mile 170 Glenn
Dates: 7/19 - 7/20 72
Total Hours Fished: 38

Gear Used: 2 - 125'

Temperature, Air:
Water:
Weather:

No.	Species	Length Range-Ave.		Weight Range-Ave.		Total Weight	Freq.	% Comp.
79	GR	100-440	295				2.1	.89
10	SK	310-450					.25	.11

REMARKS: (Sketch or describe location of set(s)

RECEIVED
JUL 24 1972
ALASKA DEPT. OF
FISH & GAME

Submitted by: Williams

TEST-NETTING SUMMARIES
1968

FG-53

Water: Tolsona Lake
Location: East and West Sides
Dates: 8/5/68-8/6/68
Total Hours Fished: 32

Gear Used: 2 - 125' nylon graduated gill nets
Temperature, Air:
Water:
Weather: Clear

No.	Species	Length Range-Ave. M.M.		Weight Range-Ave.		Total Weight	Freq.	% Comp.
56	LNS	104 - 455	256				1.8	60
18	SS	285 - 375	340				.6	19
17	GR	115 - 195	135				.5	18
3	BB						.1	3

REMARKS: (Sketch or describe location of set(s)

Submitted by:

TEST-NETTING SUMMARIES
196 8

FG-53

Water: TOLSONA LAKE
Location: E EAST + WEST Sides
Dates: 8/5/68 - 8/6/68
Total Hours Fished: 32

Gear Used: 2-125' nylon graduated mesh gillnets
Temperature, Air:
Water:
Weather: clear

No.	Species	Length Range-Ave. MM		Weight Range-Ave.		Total Weight	Freq.	% Comp.
56	LNS	104-455	256				1.8	60
18	SS	285-375	340				.6	19
17	GR	115-195	135				.5	15
3	BB	—	—				.1	3

REMARKS: (Sketch or describe location of set(s)

Submitted by: Fred T. Williams

TEST-NETTING SUMMARIES
1970

FG-53

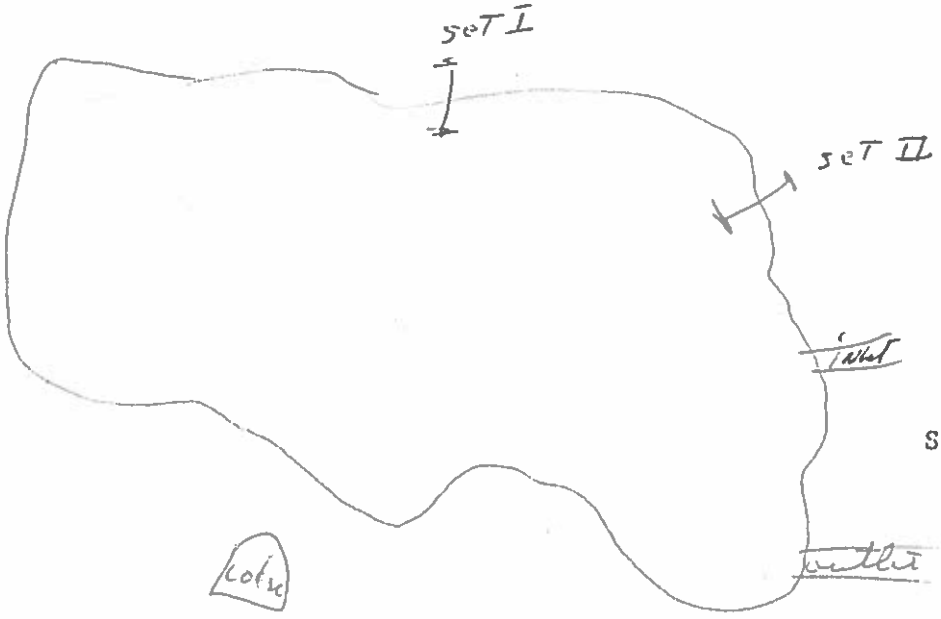
Water: Tolsona Lake
Location: Glenn Hiway
Dates: June 12 & 1970
Total Hours Fished: 49 hrs

Gear Used: Two 125 ft Bill Net.

Temperature, Air:
Water: 52
Weather: Partly Cloudy & Wind

No.	Species	Length Range-Ave.		Weight Range-Ave.		Total Weight	Freq.	% Comp.
107	Grayling	160 - 370	231				2.18	89%
12	Sucker	310 - 435	391				.24	10%
2	Burbot	530 - 580	555				.04	1

REMARKS: (Sketch or describe location of set(s)



Submitted by: Jackson