Species and group: Coho, age 0+

Site or lot: Banner Lake

$g = (\log_e W_2 - \log_e W_1)$

$G = (\log_e W_2 - \log_e W_1) \div (\text{days})$

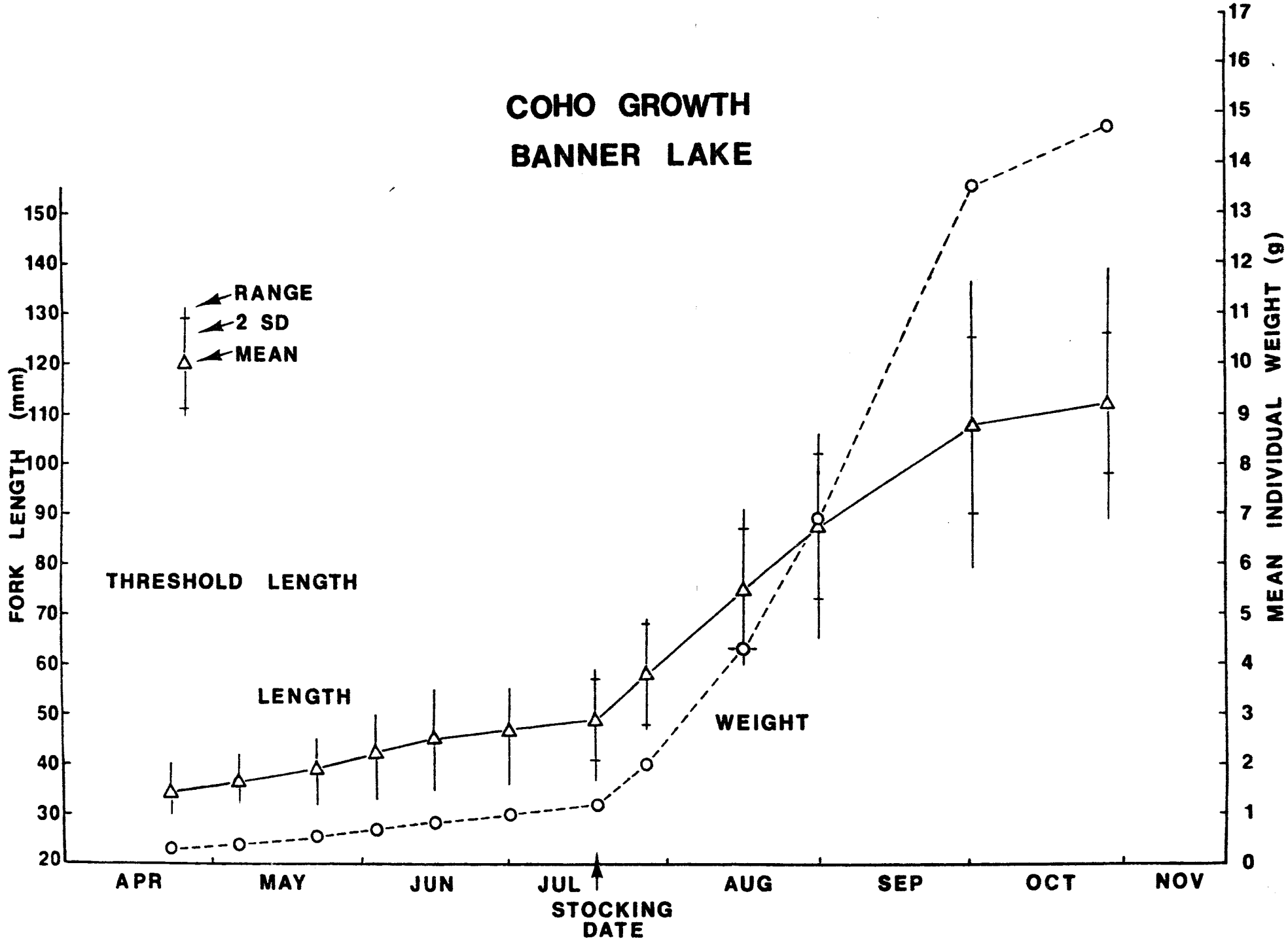
Sample date (middate) t_n	Sample mean fork length (mm) L_n	Sample mean indiv. weight* (gms) W_n	Period number or letter	Period length (days) (t_2-t_1)	Growth rates & coefficients: Average length change (mm/day) $(L_2-L_1) \div (t_2-t_1)$	Weight: Average change (g/day) $(W_2-W_1) \div (t_2-t_1)$	Instantaneous growth coeff. Period (g)	Instantaneous growth coeff. Daily (G)	Average daily % weight gain: Brown's "specific growth rate" 100(G)	Average daily % weight gain: Winberg's method $100(e^G - 1)$
22 Apr 82	34.6	0.3								
			A	14	0.1	0.01	0.2877	0.0205+	2.05+	2.1
6 May 82	36.5	0.4								
			B	16	0.2	0.01	0.3185-	0.0199	1.99	2.0
22 May 82	39.1	0.55								
			C	12	0.3	0.01	0.2412	0.0201	2.01	2.0
3 Jun 82	42.3	0.7								
			D	12	0.2	0.01	0.1942	0.0162	1.62	1.6
15 Jun 82	45.1	0.85								
			E	15	0.1	0.01	0.1625+	0.0108	1.08	1.1
30 Jun 82	47.0	1.0								
			F (to 7 Jul)	17	0.1	0.01	0.1823	0.0107	1.07	1.1
18 Jul 82	48.8	1.2								
			1	9	1.0	0.09	0.5108	0.0568	5.68	5.8
27 Jul 82	58.1	2.0								
			2	20	0.8	0.12	0.7655-	0.0383	3.83	3.9
16 Aug 82	74.9	4.3								
			3	15	0.8	0.17	0.4729	0.0315+	3.15+	3.2
31 Aug 82	87.4	6.9								
			4	31	0.7	0.21	0.6712	0.0217	2.17	2.2
10 Oct 82	107.8	13.5								
			5	27	0.2	0.04	0.0852	0.0032	0.32	0.3
28 Oct 82	112.2	14.7								
18 Jul-16 Aug			1 & 2	29	0.9	0.11	1.2763	0.0440	4.40	4.5
18 Jul-31 Aug			1 thru 3	44	0.9	0.13	1.7492	0.0398	3.98	4.1
18 Jul-10 Oct			1 thru 4	75	0.8	0.16	2.4204	0.0323	3.23	3.3
18 Jul-28 Oct			1 thru 5	102	0.6	0.13	2.5055	0.0246	2.46	2.5
31 Aug-28 Oct			4 & 5	58	0.4	0.13	0.7563	0.0130	1.30	1.3

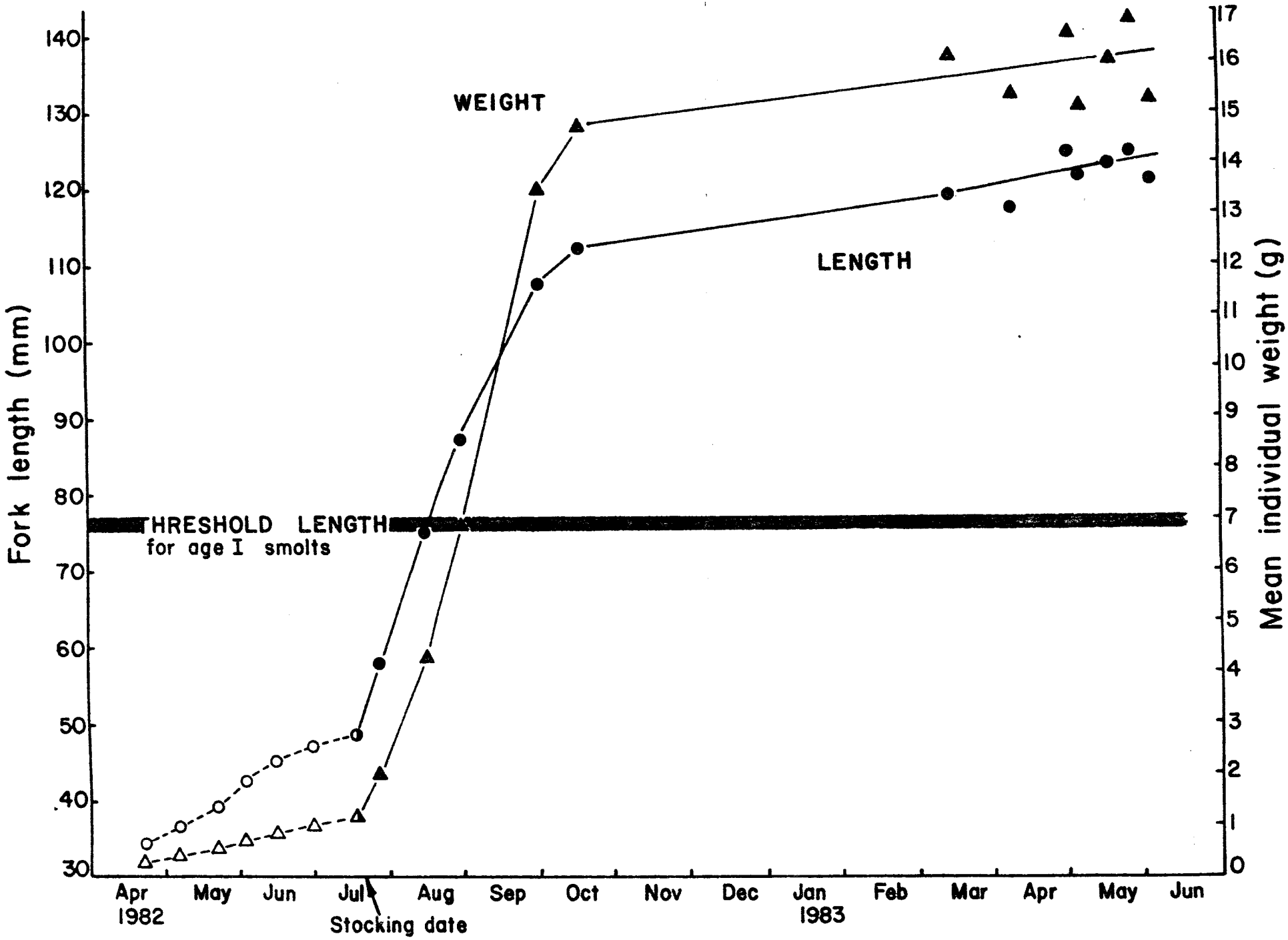
* Converted from mean length by mean condition factor of length-weight subsample.

Controlled hatchery growth

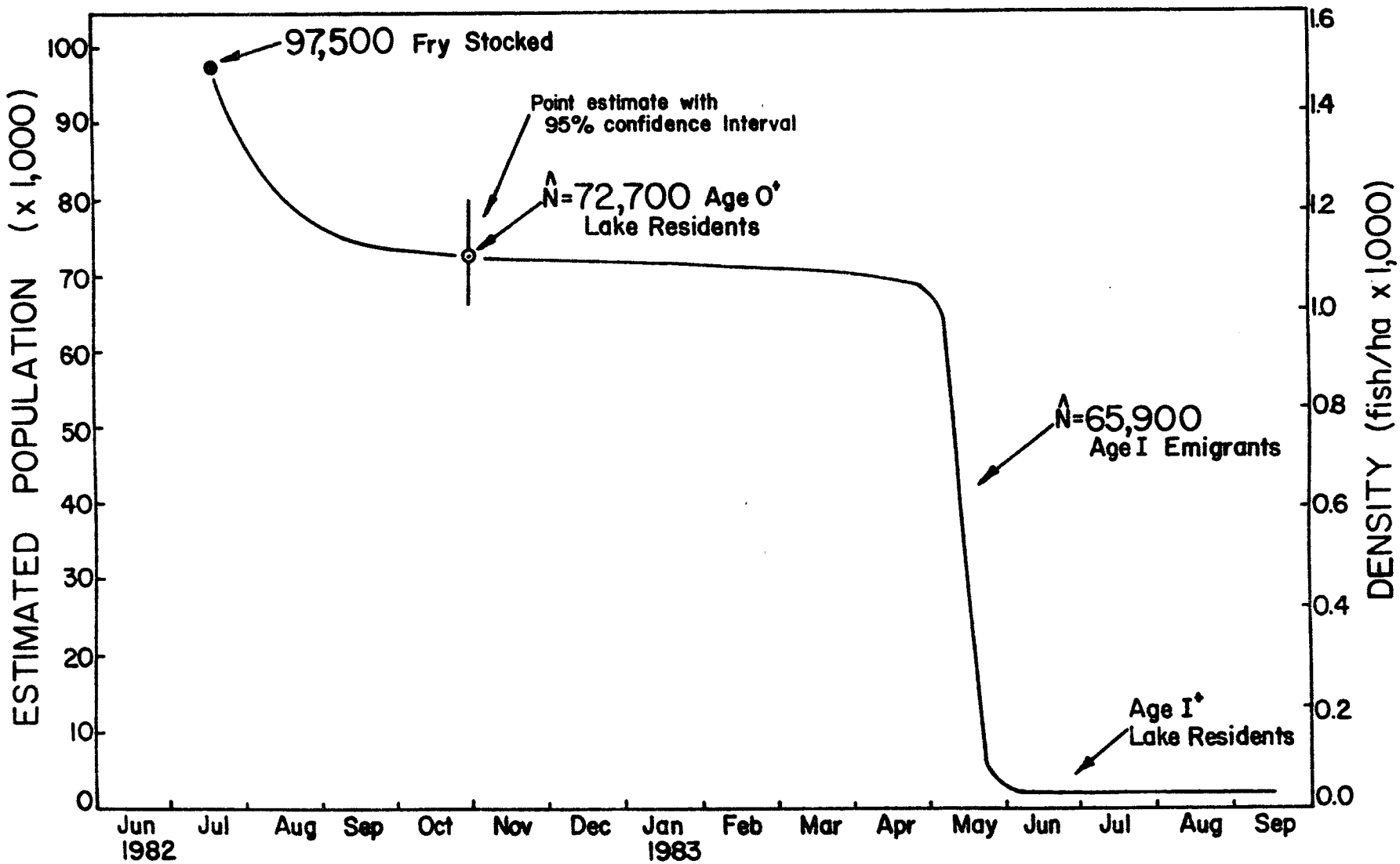
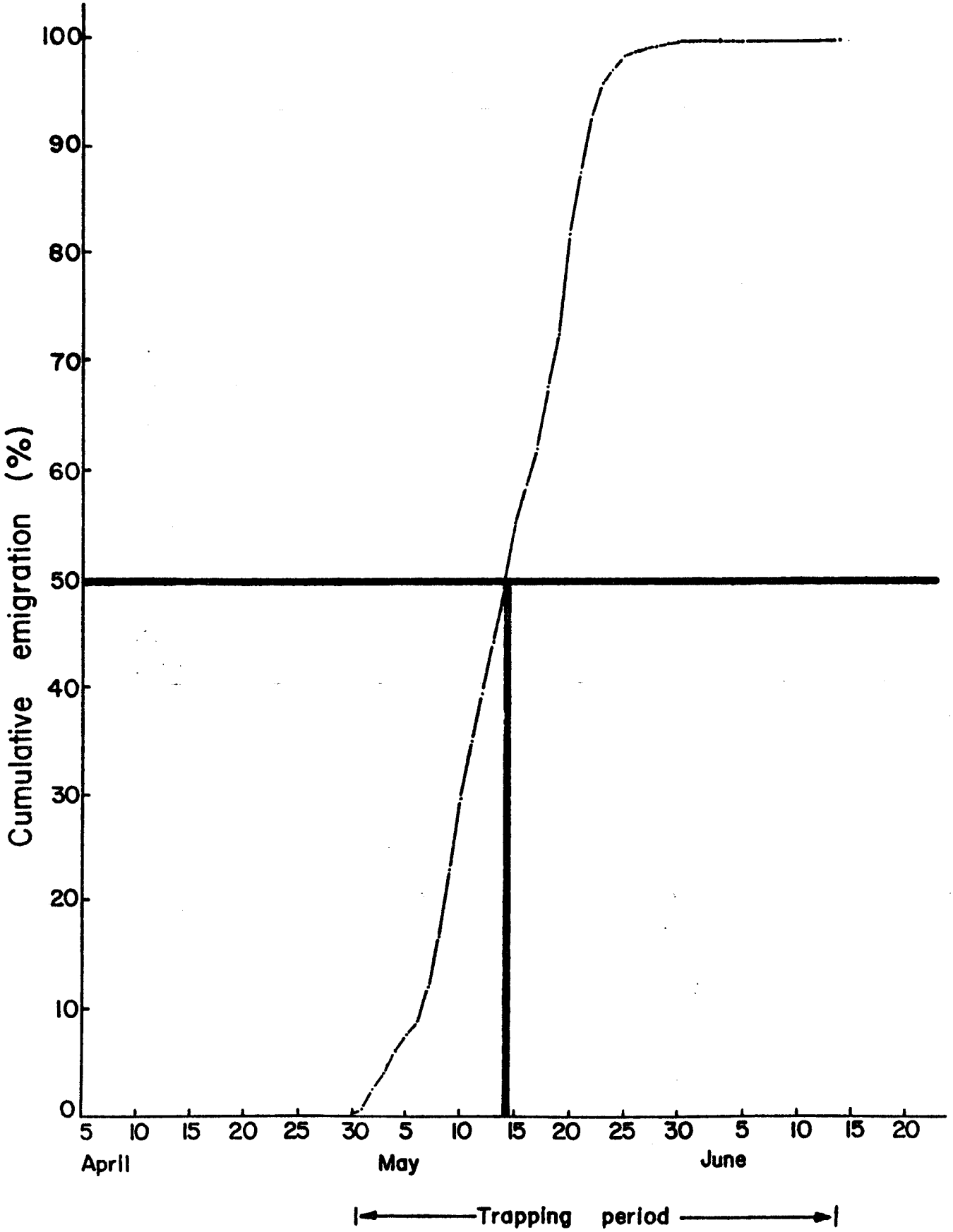
Lake growth

Periods Grouped


COHO GROWTH
BANNER LAKE
FORK LENGTH (mm)
MEAN INDIVIDUAL WEIGHT (g)
RANGE
2 SD
MEAN
THRESHOLD LENGTH
LENGTH
WEIGHT
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
STOCKING DATE
150
140
130
120
110
100
90
80
70
60
50
40
30
20
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0


COHO GROWTH— BANNER LAKE
WEIGHT
LENGTH
THRESHOLD LENGTH
for age I smolts
Fork length (mm)
Mean individual weight (g)
140
130
120
110
100
90
80
70
60
50
40
30
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
Apr 1982
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan 1983
Feb
Mar
Apr
May
Jun
Stocking date

BANNER LAKE COHO SURVIVAL CURVE



BANNER LAKE 1983 AGE I SMOLTS