

EKLUTNA LAKE  
SOCKEYE SALMON



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DEPT. OF FISH AND GAME

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ORIGINAL REPORT  
→

PALMER MANAGEMENT AREA LAKE STOCKING (non-anadromous) -1987-

RAINBOW TROUT [1987]

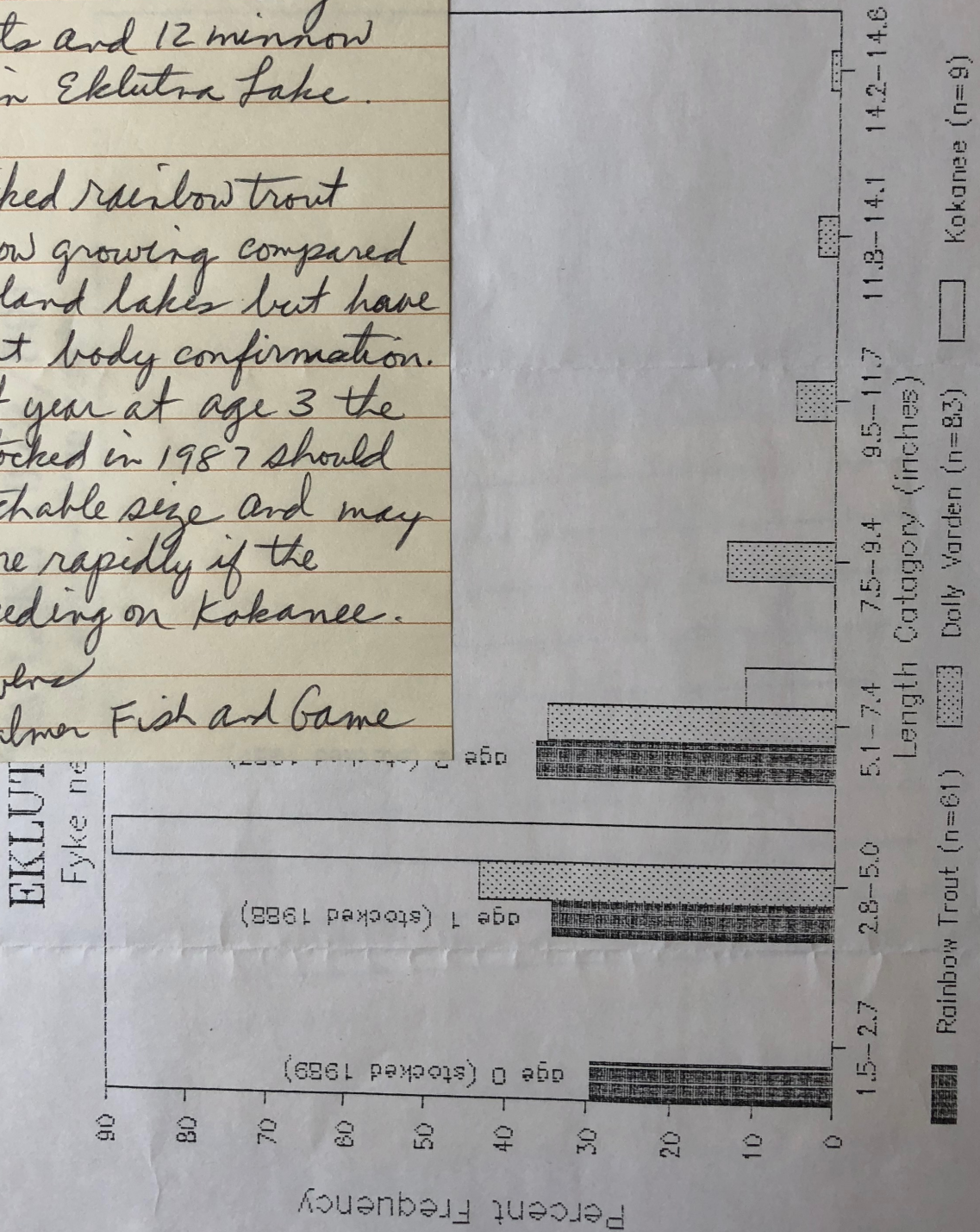
LAKE STOCKED	SURFACE ACRES	DATE STOCKED	NUMBER STOCKED	FIN MARK	BROODSTOCK	HATCHERY	STOCKING SIZE	STOCKING* METHOD
Ak. State Fair(a)	Pond	09/06/87	1,200		85 Big Lake	Ft. Richardson	227.00g	T
		09/06/87	92		82 Big Lake	Ft. Richardson	1,000.0g	T
Barley	18.6	08/04/87	5,200		87 Swanson R.	Ft. Richardson	1.80g	T/BU
Bear Paw	45	07/20/87	4,578		87 Swanson R.	Ft. Richardson	1.35g	T/BU
Big Beaver	161	07/31/87	16,100		87 Big Lake	Ft. Richardson	2.20g	T
Beverly	42	07/30/87	8,400		87 Big Lake	Ft. Richardson	2.30g	T/BU
Big No Luck	67.9	08/10/87	6,812		87 Swanson R.	Ft. Richardson	2.30g	A
Blodgett	57.6	06/18/87	106,800		87 Big Lake	Ft. Richardson	0.20g	T
Carpenter	176.4	08/10/87	33,038		87 Swanson R.	Ft. Richardson	2.20g	A
Crystal	131.7	08/04/87	13,170		87 Swanson R.	Ft. Richardson	1.90g	T
Dawn	11.8	08/04/87	3,100		87 Swanson R.	Ft. Richardson	1.80g	T/BU
Diamond	139	08/03/87	55,600		87 Swanson R.	Ft. Richardson	2.00g	T
East Twin	41.1	08/10/87	8,404		87 Swanson R.	Ft. Richardson	2.20g	A
Eklutna	3,520	06/24/87	506,093		87 Swanson R.	Ft. Richardson	0.15g	T
		06/25/87	384,700		87 Swanson R.	Ft. Richardson	0.15g	T
		06/29/87	180,000		87 Swanson R.	Ft. Richardson	0.15g	T
		07/31/87	31,726		87 Big Lake	Ft. Richardson	2.20g	T
		08/12/87	121,331		87 Swanson R.	Ft. Richardson	2.30g	T
		08/13/87	74,564		87 Swanson R.	Ft. Richardson	2.00g	T
		08/14/87	88,896		87 Swanson R.	Ft. Richardson	1.80g	T
08/18/87	143,797		87 Swanson R.	Ft. Richardson	2.20g	T		
Florence	54.6	08/04/87	5,460		87 Swanson R.	Ft. Richardson	1.90g	T/BU
Honeybee	58	08/04/87	5,800		87 Swanson R.	Ft. Richardson	1.90g	T/BU
Ida	46.4	08/03/87	8,019		87 Swanson R.	Ft. Richardson	1.92g	T/BU
Irene	18	05/01/87	1,800		86 Swanson R.	Elmendorf	120.20g	T/BU
		08/03/87	1,800		87 Swanson R.	Ft. Richardson	1.92g	T/BU
Kashwitna	160	08/04/87	30,400		87 Swanson R.	Ft. Richardson	1.90g	T
Kalmbach	125	07/30/87	13,000		87 Big Lake	Ft. Richardson	2.30g	T

Ed Barrett, 8/16/89

This graph shows results of our overnite catch using 8 fyke nets and 12 minnow traps in Eklutna Lake.

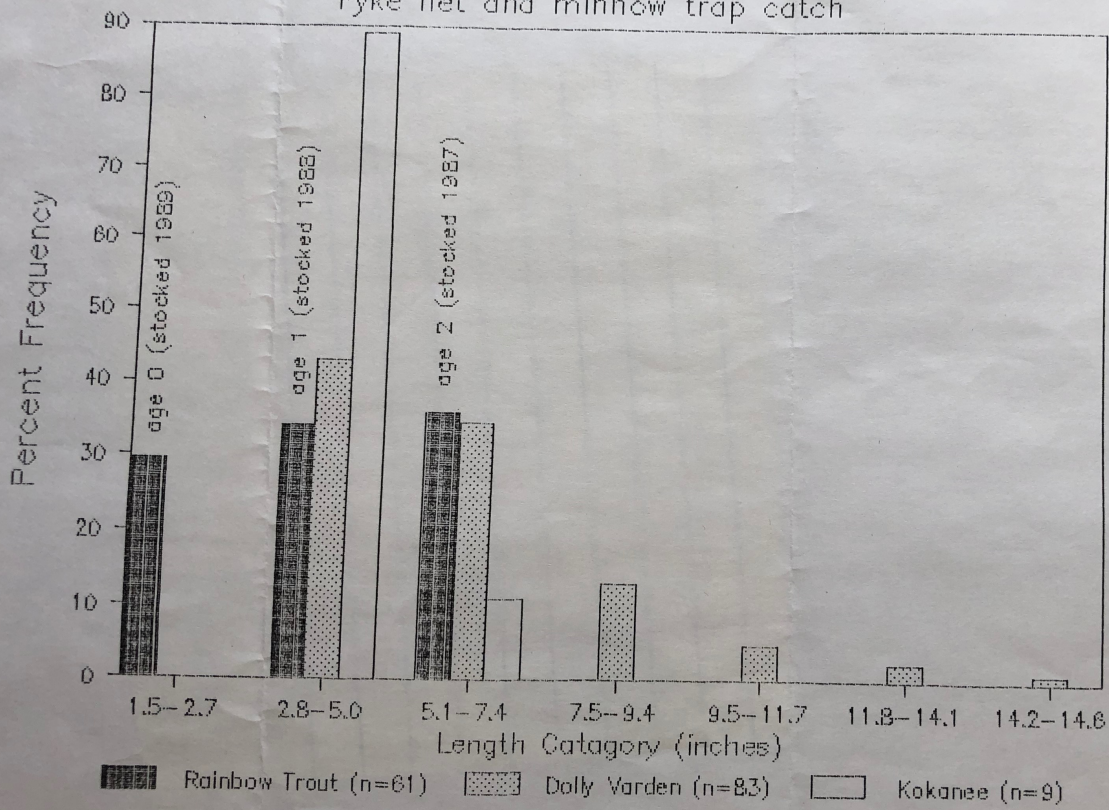
The stocked rainbow trout are slow growing compared to lowland lakes but have excellent body confirmation. By next year at age 3 the fish stocked in 1987 should be catchable size and may grow more rapidly if they start feeding on kokanee.

Al Hawkes  
Palmer Fish and Game



# EKLUTNA LAKE (8/2/89)

Fyke net and minnow trap catch



Fri  
7/27/90

RECEIVED

JUL 03

CHURCH DISTRICT

Ed,

Just thought I send  
a copy of these data  
on Eklutna Lake  
sampling.

Roughly a third of  
our 1990 rainbow trout  
sample are harvestable  
(pan-size) - looks good  
for coming years.

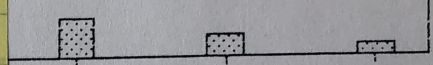
Al Haven  
ADF&G

LAKE

Traps Set Overnight

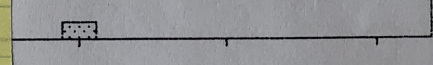
JUNE 14, 1988

■ Rainbow Trout (n=140)  
▨ Dolly Varden (n=202)  
□ Kokanee (n=3)



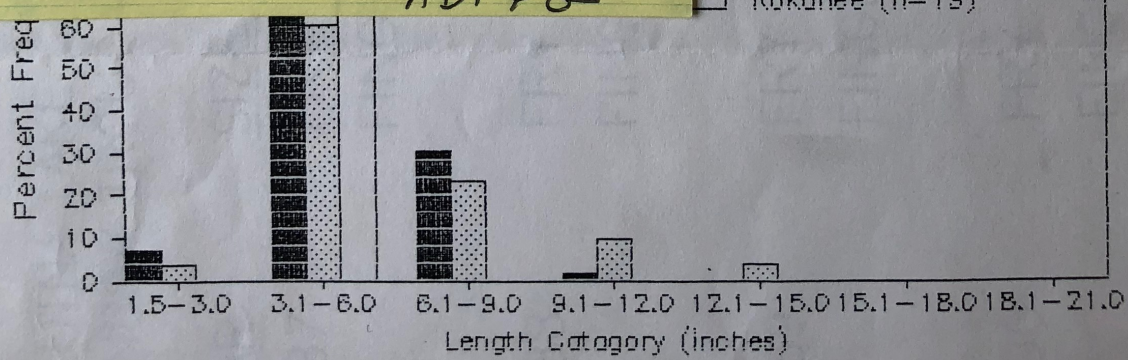
AUGUST 2, 1989

■ Rainbow Trout (n=61)  
▨ Dolly Varden (n=83)  
□ Kokanee (n=9)



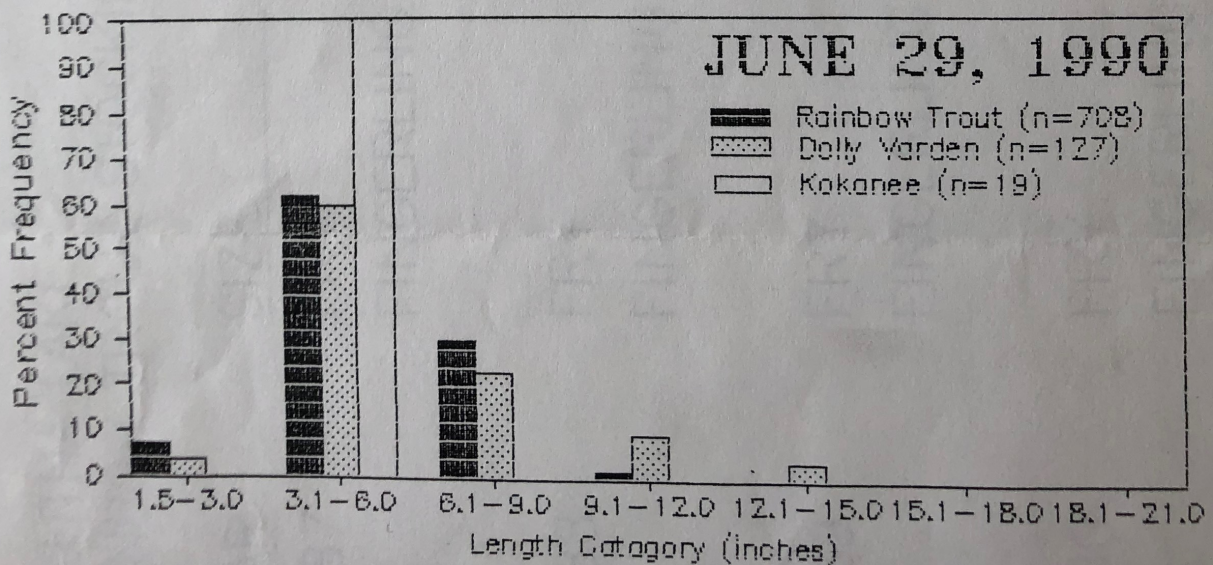
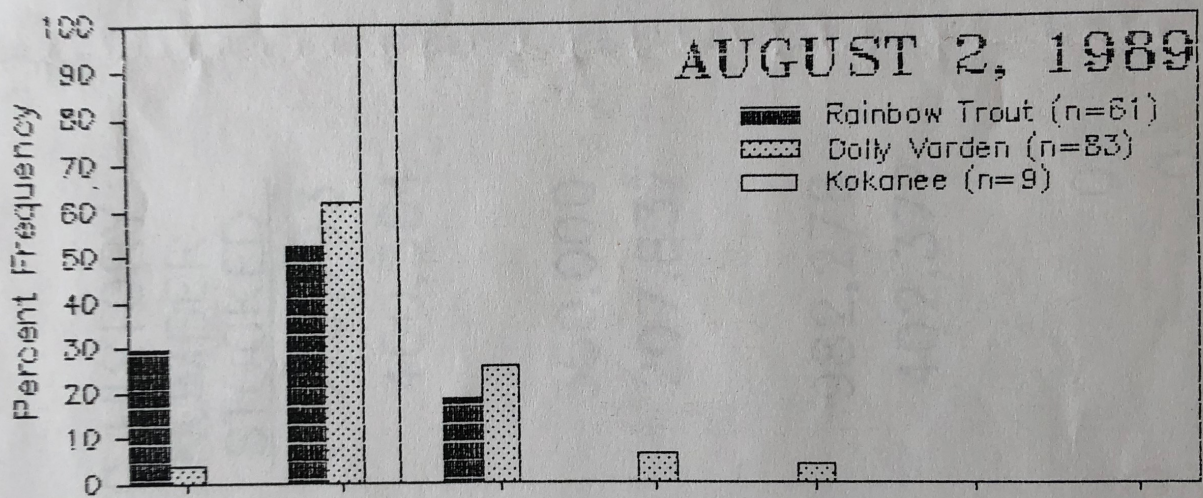
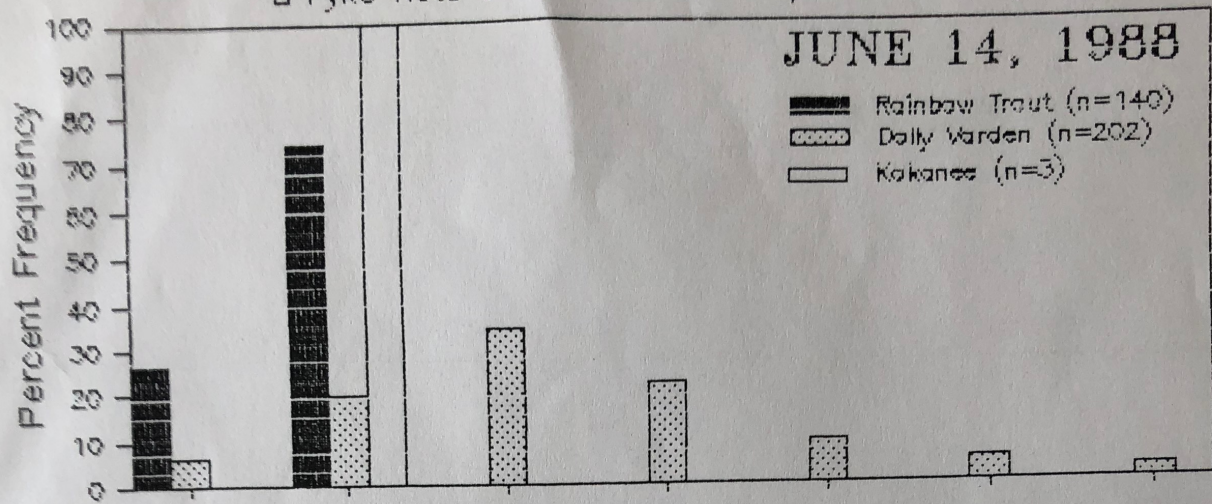
JUNE 29, 1990

■ Rainbow Trout (n=708)  
▨ Dolly Varden (n=127)  
□ Kokanee (n=19)



# EKLUTNA LAKE

8 Fyke Nets and 12 Minnow Traps Set Overnight



# EKLUTNA LAKE

Eklutna Lake was sampled with gill nets by the Palmer Office of the Alaska Dept. of Fish and Game Sport Fisheries Division in 1973, 1980 and 1985. The following results indicate a stable Dolly Varden and Kokanee populations:

## DOLLY VARDEN :

<u>Sample Date</u>	<u>Number Sampled</u>	<u>Average Length</u>	<u>Length Range</u>
July 1973	881	7 $\frac{1}{4}$ "	4 $\frac{1}{2}$ " - 16 $\frac{1}{2}$ "
August 1980	199	7"	2 $\frac{1}{2}$ " - 14 $\frac{1}{2}$ "
September 1985	82	7 $\frac{1}{4}$ "	3" - 16"

(August 1980: live trap sampling captured Dolly Varden from 1 $\frac{3}{4}$ " - 9 $\frac{3}{4}$ " )

## KOKANEE [Landlocked Sockeye (Red) Salmon] :

<u>Sample Date</u>	<u>Number Sampled</u>	<u>Average Length</u>	<u>Length Range</u>
July 1973	29	3 $\frac{1}{2}$ "	3 $\frac{1}{4}$ " - 4 $\frac{1}{2}$ "
August 1980	139	4"	3 $\frac{1}{2}$ " - 5"
October 1985	59	3 $\frac{3}{4}$ "	3 $\frac{1}{2}$ " - 4 $\frac{1}{2}$ "

(August 1980: live trap sampling captured Kokanee from 1 $\frac{1}{2}$ " - 4")

The Kokanee appear to spawn, then die, in their third year of life. Spawning occurs along lake shoal areas.





