

Fishery Management Report No. 03-09

**Summary of Public Education, Outreach and
Information Activities Conducted by Southcentral
Region's Information and Education Program,
July 1, 2000-June 30, 2001**

by

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and

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June 2003

Alaska Department of Fish and Game

Division of Sport Fish



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Weights and measures (metric)

centimeter	cm
deciliter	dL
gram	g
hectare	ha
kilogram	kg
kilometer	km
liter	L
meter	m
metric ton	mt
milliliter	ml
millimeter	mm

Weights and measures (English)

cubic feet per second	ft ³ /s
foot	ft
gallon	gal
inch	in
mile	mi
ounce	oz
pound	lb
quart	qt
yard	yd
Spell out acre and ton.	

Time and temperature

day	d
degrees Celsius	°C
degrees Fahrenheit	°F
hour (spell out for 24-hour clock)	h
minute	min
second	s
Spell out year, month, and week.	

Physics and chemistry

all atomic symbols	
alternating current	AC
ampere	A
calorie	cal
direct current	DC
hertz	Hz
horsepower	hp
hydrogen ion activity	pH
parts per million	ppm
parts per thousand	ppt, ‰
volts	V
watts	W

General

All commonly accepted abbreviations.	e.g., Mr., Mrs., a.m., p.m., etc.
All commonly accepted professional titles.	e.g., Dr., Ph.D., R.N., etc.
and	&
at	@
Compass directions:	
east	E
north	N
south	S
west	W

Copyright

Copyright	©
Corporate suffixes:	
Company	Co.
Corporation	Corp.
Incorporated	Inc.
Limited	Ltd.

et alii (and other people)	et al.
et cetera (and so forth)	etc.
exempli gratia (for example)	e.g.,
id est (that is)	i.e.,
latitude or longitude	lat. or long.
monetary symbols (U.S.)	\$, ¢
months (tables and figures): first three letters	Jan, ..., Dec
number (before a number)	# (e.g., #10)
pounds (after a number)	# (e.g., 10#)
registered trademark	®
trademark	™

United States (adjective)	U.S.
United States of America (noun)	USA
U.S. state and District of Columbia abbreviations	use two-letter abbreviations (e.g., AK, DC)

Mathematics, statistics, fisheries

alternate hypothesis	H _A
base of natural logarithm	e
catch per unit effort	CPUE
coefficient of variation	CV
common test statistics	F, t, χ^2 , etc.
confidence interval	C.I.
correlation coefficient	R (multiple)
correlation coefficient	r (simple)
covariance	cov
degree (angular or temperature)	°
degrees of freedom	df
divided by	÷ or / (in equations)
equals	=
expected value	E
fork length	FL
greater than	>
greater than or equal to	≥
harvest per unit effort	HPUE
less than	<
less than or equal to	≤
logarithm (natural)	ln
logarithm (base 10)	log
logarithm (specify base)	log ₂ , etc.
mid-eye-to-fork	MEF
minute (angular)	'
multiplied by	x
not significant	NS
null hypothesis	H ₀
percent	%
probability	P
probability of a type I error (rejection of the null hypothesis when true)	α
probability of a type II error (acceptance of the null hypothesis when false)	β
second (angular)	"
standard deviation	SD
standard error	SE
standard length	SL
total length	TL
variance	Var

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REGION'S INFORMATION AND EDUCATION PROGRAM,
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INTRODUCTION

BACKGROUND INFORMATION

The public education, outreach and information activities for the Southcentral Region of Sport Fish Division now fall under the umbrella of the regional “Information and Education” program. Aquatic education in Southcentral Alaska began in 1989 with an experimental classroom salmon egg incubation program supported by the former Fisheries Rehabilitation Enhancement Division (FRED) of the Alaska Department of Fish and Game (ADF&G). This program was based out of the Big Lake Hatchery and initially concentrated on Matanuska-Susitna Valley schools, but by school year 1990/1991 supported projects in five Matanuska-Susitna Valley and five Anchorage area schools.

During this same time frame, FRED Division had plans to initiate a project to conduct research on stream rehabilitation techniques and structures the division was planning to construct in Anchorage area streams, with emphasis on Campbell Creek. The program was to be funded in part by the Alaska Science and Technology Foundation (ASTF), which was interested in the development of low cost stream restoration techniques that the general public and other agencies could afford and utilize along streams around Alaska. The projects would be small in design and materials would be inexpensive and easy to install.

A union of the fledgling aquatic education program and the new stream restoration effort occurred in July 1991 when the new project biologist realized there was an opportunity to combine these efforts to create an educational outreach program, which was named the Salmon Trout Restoration Education and Aquatic Management (STREAM) Program.

The main goal of the program was, as it remains today, to increase the public’s awareness of Alaska’s healthy wild salmon stocks through education and the offering of hands-on opportunities. In this way it is hoped that they will become personally involved and become better stewards of this valuable resource. In 1996, the STREAM Program was transferred to the Division of Sport Fish (DSF). At that time, angler education and outreach became the main goal of the STREAM Program.

The STREAM Program’s activities have been modeled after other existing agency aquatic education and outreach programs such as the Oregon Department of Fish and Wildlife’s (ODF&W) Salmon Trout Enhancement Program (STEP) and the federal Canada Department of Fisheries and Ocean’s (DFO) Salmonid Enhancement Program (SEP) in British Columbia. Components of these programs have been incorporated into STREAM Program activities; however, these programs use activities to concentrate on enhancement of depleted salmon stocks while the ADF&G program focuses on maintaining existing healthy stocks around the state. Salmonid enhancement is not an integral part of the STREAM Program.

The STREAM Program continues to expand and supports incubation projects throughout Southcentral Alaska and Interior Alaska. Projects are located in the Anchorage area, Kenai Peninsula, Matanuska-Susitna Valley, Kodiak and Region III (Fairbanks) road system area. The program also continues to support Cooperative Extension Service (CES) classroom salmon egg incubation projects statewide on a technical basis since this program was established in the early 1990s.

The success and popularity of the STREAM program is due to the high visibility of the program. Staff are in the schools and field with the students and volunteers that have the desire to learn more about Alaska's salmon resources. This not only allows the department to inform the public, but also enables the public to become more aware of the department's concerns and to understand why and how the resource is managed.

In 1997, the region identified the need to dedicate personnel and resources to responding to the increasing demands of the public for information about sport fishing and Alaska's fish resources. This was accomplished by hiring staff specifically to respond to public inquiries and to develop informational materials to address these needs. In addition, the region committed to constructing a fishery information center in 1999 that was more accessible and conducive to distributing information and services to the public. These expanded activities were joined with the STREAM Program to form the region's current "Information and Education Program."

FY 2001 ACTIVITIES (JULY 1, 2000 - JUNE 30, 2001)

The STREAM Program accomplishes its goals in many ways, but primarily develops and incorporates hands-on activities to increase the public's awareness of our salmon resources. The program focuses on education and outreach as its primary tools to accomplish its goals; however, with the ever increasing demand for educational activities and materials, the time consuming small scale stream restoration outreach activities have decreased significantly since the early days of the program.

Activities conducted by the STREAM Program are summarized in two categories, education and outreach. Education activities include: classroom salmon egg incubation, classroom visits and presentations, field educational experiences, teacher workshops/in-services, adopt-a-stream program and educational materials. The outreach component includes: stream restoration/ habitat activities; shows and special events; fulfilling requests for information, materials and equipment; and continuing and enhancing media coverage. A new category added to this year's report is program contributions. These activities are summarized below for fiscal year 2001.

EDUCATION

Classroom Salmon Egg Incubation

As one of the original aquatic education tools, classroom salmon egg incubation activities have long been the backbone of the educational effort in Southcentral Alaska. Classroom salmon egg incubation came to Alaska using technology developed by the DFO-SEP in British Columbia. Classroom salmon egg incubation projects are used as a part of SEP's "Salmonids in the Classroom" program. Since its origins at the Big Lake Hatchery, egg incubation projects now exist in 92 ADF&G STREAM Program-sponsored schools in Southcentral Alaska and statewide in approximately 50 Cooperative Extension Service (CES)-sponsored schools. These projects continue to be for educational purposes only and not for enhancement.

Most schools are using 29-gallon aquariums with standard undergravel filter plates, powerheads and aquarium gravel. The tanks are insulated and darkened using 1-inch high density Styrofoam and the recirculated water is refrigerated using specially designed refrigeration units. If schools are on a city-treated water system they must dechlorinate their water before introduction into their tank. These systems incubate up to 250 eggs. Coho salmon *Oncorhynchus kisutch* is the species used to obtain

eggs for the school projects because its egg development stages from spawning to fry emergence coincide best with a school year.

Classroom incubation equipment is funded cooperatively between CES and the STREAM Program. The CES receives approximately \$5,000 from EXXON U.S.A. to purchase refrigeration units for Anchorage schools. CES has these units built locally and turns them over to the STREAM Program for distribution to participating schools. The STREAM Program supplies the other equipment and accessories required. During FY2001, the Youth Restoration Corps (YRC) also contributed \$2,000 for the purchase of six school refrigeration units.

Several schools utilize a technique developed by the STREAM Program when standard incubation equipment is not available. This technique uses a small one-gallon aquarium inside of a refrigerator, which chills the water, to incubate approximately 50 salmon eggs through the fry stage.

The classroom salmon egg incubation program enables students and teachers, as well as parents, to witness and monitor the early development of a salmon from egg to fry, probably the least understood stages of the salmon's life cycle, but a period we as humans have great control over. Classes are responsible for monitoring tank temperature on a daily basis and performing water exchanges once a week. Classroom salmon egg incubation projects focus on increasing student awareness of salmonid life histories, biology, anatomy and habitat requirements of these fish.

Educational materials have been developed and continue to be developed to complement this program. The STREAM Program modified the primary version of *Salmonids in the Classroom* with permission from DFO. The curriculum package has been well received and the intermediate version of this same series is still in the process of being modified. *A Guide to Classroom Salmon Egg Incubation in Alaska* continues to be distributed to teachers. A modified life-cycle poster originally produced by the Washington Department of Fish and Wildlife (WDF&W) and salmon egg vial displays constructed by high school students are also made available to educators.

In 2001, 50 Anchorage area schools conducted classroom salmon egg incubation projects (Table 1); an increase of 4 from the previous year. There were 15 participating schools in the Matanuska-Susitna Valley area, an increase of 2 schools from the previous year; 8 schools on the Kenai Peninsula, an increase of 4 schools from the previous year; 6 schools in Kodiak, an increase of 1 school from the previous year and 13 schools in the Fairbanks area, an increase of 5 projects from the previous year (Table 1).

In late September and early October, classes from Anchorage and the Matanuska-Susitna Valley came to Campbell Creek and Spring Creek, respectively, to participate in a coho salmon egg take. The children witnessed the beginning of life of a salmon and left with up to 250 fertilized eggs, which they then observed and monitored throughout the winter. Schools on the Kenai Peninsula received their coho salmon eggs for the first time from Crooked Creek in Kasilof. Kodiak area projects received eggs from an egg take held at the Buskin River. The Copper River basin school (included with the Fairbanks Region III area schools) continues to receive fertilized coho salmon eggs from an egg take at the privately operated Solomon Gulch Hatchery in Valdez. Nuiqsut (included with the Fairbanks Region III area schools) receives eyed coho salmon eggs from the Fort Richardson hatchery in

Table 1.-Schools participating in salmon egg incubation projects, by area, 2001.

<u>ANCHORAGE</u>	
Abbot Loop Elementary	Turnagain Elementary
Alpenglow Elementary	Williwaw Elementary
Anchorage Montessori	Willow Crest Elementary
Aquarian Charter	
Aurora Elementary	Total 50
Baxter Elementary	
Bayshore Elementary	<u>MATANUSKA-SUSITNA</u>
Bear Valley Elementary	Butte Elementary
Central JHS	Colony MS
Chester Valley Elementary	Finger Lake Elementary
Chinook Elementary	Goose Bay Elementary
Chugiak HS	Meadow Lakes Elementary
College Gate Elementary	Midnight Sun
Creekside Park Elementary	Palmer MS
Denali Elementary	Sherrod Elementary
Dimond HS	Snowshoe Elementary
Eagle River Elementary	Swanson Elementary
Fairview Elementary	Tanaina Elementary
Family Partnership Charter	Valley Pathways Alternative
Girdwood	Wasilla HS
Gladys-Wood Elementary	Wasilla MS
Goldenview MS	Willow Elementary
Homestead Elementary	Total 15
Huffman Elementary	
Inlet View Elementary	<u>KENAI PENINSULA</u>
Kasuun Elementary	Kalifornsky Beach Elem.
King Career Center	Moose Pass Elementary
Klatt Elementary	Mt. View Elementary
Lake Hood Elementary	Nikiski Elementary
Mirror Lake MS	Redoubt Elementary
Mt. Iliamna Pre-School	Sears Elementary
Mt. View Elementary	Sterling Elementary
Northern Lights ABC	Tustumena Elementary
Nunaka Valley Elementary	Total 8
Ocean View Elementary	
O'Malley Elementary	<u>KODIAK</u>
Orion Elementary	East Elementary
Polaris Alternative	Kodiak HS
Rabbit Creek Elementary	Main Elementary
Rogers Park Elementary	North Star Elementary
St. Elizabeth Ann Seton	Peterson Elementary
SAVE HS	St. Mary's School
Service HS	Total 6
Susitna Elementary	
Taku Elementary	
Trailside Elementary	
Tudor Elementary	

-continued-

Table 1.-Page 2 of 2.

<u>FAIRBANKS REGION III</u>	
Anderson School	Nordale Elementary
Crawford Elementary	North Pole MS
Delta Junction HS	Nuiqsut Trapper School
Joy Elementary	Tok School
Kenny Lake Elementary	Tri-Valley School
Mentasta Lake School	Woodriver Elementary
Nenana School	
	Total 13

Anchorage. Fairbanks and adjacent area schools travel to the Delta-Clearwater River in Delta Junction to attend an egg take. Three schools in the Denali district (included with the Fairbanks Region III area schools) conduct their own egg takes at Clear Creek.

The classroom eggs eventually hatched and turned into fry at which point the class received salmon food supplied by the Fort Richardson Hatchery and distributed by STREAM Program staff. The majority of the coho fry were released in mid to late May in landlocked lakes: Taku-Campbell Lake in Anchorage, Matanuska Lake in Palmer, several lakes in the Kenai/Soldotna area, Island Lake in Kodiak, Strelina Lake near Kenny Lake and either Bathing Beauty Pond near Fairbanks or the Delta-Clearwater River (open system). Fry from Nuiqsut were destroyed and the Denali area schools released their fry back into Clear Creek (open system).

Egg-take and release summary information for each area can be found in Table 2. Anchorage area events continue to account for the largest amount of participation during egg takes (1,790 students, 68 classes) and releases (1,600 students) due to the large number of schools participating. Egg takes in Anchorage were held over a 2-day period for classes to attend. An egg take was conducted on a third day (Saturday) for instructors who could not attend with their classes. The fry releases in Anchorage, Palmer and Kodiak were organized so that classes came out on a single day to release their fish. These releases were combined with a “Salmon Celebration” (hands-on activity booths) so students could participate in hands-on salmon related activities after releasing their fry.

Two days of school egg takes held at Spring Creek in Palmer drew an attendance of 484 students (20 classes). This was only a slight increase from the previous year. Students from the Matanuska-Susitna Valley area then released their fry into Matanuska Lake during a combined district-wide classroom fry and catchable rainbow trout (from Anchorage area hatcheries) release. This release was combined with a Salmon Celebration.

A Kenai Peninsula school egg take was held for the first time this year at Crooked Creek in Kasilof. One class attended this pilot egg take and water hardened eggs were then distributed to participating schools by STREAM Program staff. Kenai Peninsula classes have three release location options, but most opted to release their fry at Centennial Lake in Kasilof. Fry were released by classes into all three lakes this year for the first time. One new school this year, Moose Pass, elected to attend a privately owned Trail Lakes Hatchery production egg take in Seward to receive their coho eggs. Those fry were destroyed.

Table 2.-School egg-take and release information, 2001.

Date	Location	Stream/Lake	Number Students
Anchorage			
Egg Take			
09/21/00	Anchorage	Campbell Creek	831 (35 classes)
09/22/00	Anchorage	Campbell Creek	809 (33 classes)
09/23/00	Anchorage	Campbell Creek	150
Total		3	1,790 (68 classes)
Released			
05/11/01	Anchorage	Taku-Campbell Lake	1,600 (66 classes)
Total		1	1,600
Matanuska-Susitna Valley			
Egg Take			
09/28/00	Palmer	Spring Creek	232 (10 classes)
09/29/00	Palmer	Spring Creek	252 (10 classes)
Total		2	484 (20 classes)
Released			
05/15/01	Palmer	Matanuska Lake	951 (46 classes)
Total		1	951 (46 classes)
Kenai Peninsula			
Egg Take			
09/26/00	Kasilof	Crooked Creek	17 (1 class)
10/18/00	Moose Pass	Bear Creek	21 (2 classes)
Total		2	38 (3 classes)
Released			
05/01	Nikiski	Chugach Estates L.	30 (1 class)
05/01	Kasilof	Centennial Lake	175 (6 classes)
05/01	Soldotna	Longmere Lake	30 (1 class)
Total		3	235 (8 classes)
Region III/Fairbanks			
Egg Take			
10/04/00	Delta Junction	Delta Clearwater R.	212 (10 classes)
10/00	Valdez	Solomon Gulch	28 (1 class)
11/12/00	Nuiqsut	Ft. Richardson Hatch	0
Total		3	240 (11 classes)
Released			
05/01	Fairbanks	Bathing Beauty Pond	115 (4 classes)
05/01	Kenny Lake	Strelna Lake	22 (1 class)
05/01	Fairbanks area	Delta-Clearwater R.	0
Total		2	137 (5 classes)
Kodiak			
Egg Take			
11/03/00	Kodiak	Buskin River	267 (12 classes)
Total		1	267 (12 classes)
Released			
05/22/01	Kodiak	Island Lake	1,067 (42 classes)
Total		1	1,067 (42 classes)

Kodiak area schools attended egg takes held at the Buskin River at the outlet of Buskin Lake and the resultant fry were released into Island Lake near North Star Elementary School, which hosts the annual fry release and Salmon Celebration for the Kodiak area. This release is district-wide and students from non-participating classes help to release the classroom fry raised by fellow students.

The Fairbanks area schools' egg take was combined with a scaled down version of the Salmon Celebration in early October at the Delta Clearwater River in Delta Junction. The Copper River basin school received fertilized (green) coho salmon eggs from an egg take at the privately operated Solomon Gulch Hatchery in Valdez. Eyed eggs were transported to Nuiqsut (North Slope) from the Ft. Richardson Hatchery, and Denali area schools held their own egg take at Clear Creek near Anderson/Clear. All Region III fry were then released into approved release locations in their areas.

Lakes that are approved for school fry releases are landlocked so that school-raised fry cannot mix with wild salmon in anadromous systems. Teachers may also elect to sacrifice their fry if they do not wish to release them. Classes may, by state policy, also release their fry into the system from which the eggs originated; however, projects sponsored by the STREAM Program are not offered this option in Southcentral Alaska, but may do so in the Fairbanks (Region III) area.

Classroom Visits and Presentations

Making presentations to groups of people is one of the more conventional means of getting information out to interested groups. The STREAM Program, however, prefers to be very visual and hands-on when staff visit classrooms or adult groups to present topics relating to salmon. The STREAM Program attempts to make presentations interactive, where the audience must participate in some fashion. This may mean asking questions to the audience during the presentation or by giving them a hands-on activity to do while a presentation is occurring. Hands-on activities include puzzles, rubber stamps, fish dissections, fly tying and button making. Presentations focus on many salmon-related topics including salmon life histories, biology, habitat requirements, anatomy (dissections), coded wire tag demonstrations, watersheds, stream ecology or fishing.

Table 3 contains summary information on classroom visits and presentations for 2001. During this year, 142 presentations (up from 83 in 2000) were made to groups ranging in size from 9 to 150. Various presentations were made to 5,529 individuals from kindergarten through adult age levels. Almost 69% of the presentations were conducted for elementary age children, 12% to junior high students, 14% to high school students, and 5% to adult groups.

In 2001 the STREAM Program continued the salmon dissection program, where teachers could pick up salmon from a designated location to conduct dissections in the classroom or they could have STREAM Program staff bring fish and lead the dissection. Inlet Salmon, a local fish processor in Kenai, donated 500 pink salmon to support the program again this year. With those fish, along with coho salmon from the Elmendorf Hatchery and school egg takes, the STREAM program distributed 892 fish, which were utilized by 3,484 students for classroom dissections this year. In many instances, coded wire tag demonstrations were conducted, where tags were removed from the heads of specimens. The STREAM Program continued the very successful fly tying in the classroom program to introduce students to fly fishing. ADF&G staff and volunteers from the Alaska Fly Fishers visited 73

Table 3.-Classroom visits and presentations conducted by the ADF&G STREAM Program, 2001.

Date	School	# Students	Age Group	Subject
07/10 ^a	Sherrod Summer Sch.	9	Elementary	Salmon dissection, slide show, fish games
07/12 ^a	Sutton Library Program	12	Elementary	Salmon presentation, fish games
07/17	Youth Restoration Corp	12	High School	Watershed 101
08/02 ^b	Unknown Elementary	14	Elementary	Salmon presentation
08/30 ^a	Anchorage Rotary	140	Adult	ADF&G aquatic education program
09/13	Joy Elementary	18	Elementary	Salmon life cycle, incubation, egg take
09/13	Nordale Elementary	25	Elementary	Salmon life cycle, incubation, egg take
09/14	Weller Elementary	23	Elementary	Salmon dissection (1 class)
09/14	North Pole Middle	85	Junior High	Salmon life cycle, incubation, issues
09/19	Wayland Baptist Univ.	9	College	Salmon dissection/CWT (1 class)
09/26	Sears Elementary	26	Elementary	Salmon life cycle, incubation project
10/02	Crawford Elementary	21	Elementary	Salmon Celebration training/Salmon dissections
10/02	Wood River Elem.	28	Elementary	Incubation Project
10/10 ^a	Palmer Kiwanis	27	Adult	ADF&G aquatic education program
10/11 ^a	Sherrod Elementary	30	Elementary	Pike dissection, macroinvertebrates, fish games
10/12 ^a	Snowshoe Elementary	26	Elementary	Watersheds, Cottonwood Creek prep.
10/24	Williwaw Elementary	26	Elementary	Salmon dissection/CWT (1 class)
10/24 ^a	Palmer Middle School	120	Junior High	Salmon present., slides, habitat, stocked lake
10/25 ^a	Palmer Middle School	120	Junior High	Salmon present., slides, habitat, stocked lake
10/30	Willow Crest Elem.	22	Elementary	Salmon dissection/CWT (1 class)
10/30	Bayshore Elementary	49	Elementary	Salmon dissection (2 classes)
11/01	St. Mary's School	18	Elementary	Salmon life cycle, incubation project
11/01	East Elementary	22	Elementary	Salmon dissection (1 class)
11/02	North Star Elementary	86	Elementary	Salmon dissection (3 classes)
11/02	Main Elementary	49	Elementary	Salmon dissection (2 classes)
11/08 ^a	Wasilla High School	120	High School	Career presentation
11/09	Nunaka Valley Elem.	27	Elementary	Salmon dissection (1 class)
11/13	Alpenglow Elementary	80	Elementary	Salmon dissection/CWT (2 classes)
11/14	Rogers Park Elem.	24	Elementary	Salmon dissection (1 class)
11/14	Lake Hood Elementary	47	Elementary	Salmon dissection (2 classes)
11/14 ^a	AK Sportfish Assoc.	49	Adult	Stocked lakes presentation
11/14 ^b	Nikiski Elementary	23	Elementary	Watershed model
11/16	Fairview Elementary	64	Elementary	Salmon dissection (4 classes)
11/16	Lake Hood Elementary	47	Elementary	Salmon dissection (2 classes)
11/16 ^a	Finger Lake Elem.	28	Elementary	Egg-take presentation, fish game
11/16 ^b	Mt. View Elementary	25	Elementary	Watershed model
11/17	Bear Valley Elem.	68	Elementary	Salmon dissection/CWT (3 classes)
11/20	SAVE High School	18	High School	Salmon dissection (1 class)
11/20	Trailside Elementary	43	Elementary	Salmon dissection (2 classes)
11/21	Oceanview Elementary	24	Elementary	Salmon dissection (1 class)

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Table 3.-Page 2 of 4.

Date	School	# Students	Age Group	Subject
11/21	Klatt Elementary	55	Elementary	Salmon dissection (2 classes)
11/22	Eagle River Elementary	43	Elementary	Salmon dissection (2 classes)
11/22	Trailside Elementary	42	Elementary	Salmon dissection (2 classes)
11/28	Creekside Park Elem.	24	Elementary	Salmon dissection (1 class)
11/28 ^a	Goose Bay Elementary	20	Elementary	Stocked lakes presentation, fish game
11/29	Abbott Loop Elem.	47	Elementary	Salmon dissection/CWT (2 classes)
11/29	Tudor Elementary	26	Elementary	Salmon dissection/CWT (1 class)
11/29 ^a	Wasilla High School	136	High School	Career presentation
11/29 ^b	Sterling Elementary	63	Elementary	Watershed model
11/30	Gladys-Wood Elem.	60	Elementary	Salmon dissection (2 classes)
11/30	Turnagain Elementary	50	Elementary	Salmon dissection/CWT (2 classes)
11/30 ^a	Wasilla High School	21	High School	Aquatic ed., ice fishing help preparation
11/30 ^b	Mt. View Elementary	105	Elementary	Watershed model
12/01 ^a	Pathways Alternative	16	High School	Fly tying
12/05 ^b	Tustumena Elementary	21	Elementary	Watershed model
12/11	Inlet View Elementary	35	Elementary	Salmon dissection (3 classes)
12/11	Rabbit Creek Elem.	25	Elementary	Salmon dissection (1 class)
12/12	Huffman Elementary	85	Elementary	Salmon dissection/CWT (3 classes)
12/13	Rogers Park Elem.	42	Elementary	Salmon dissection (2 classes)
12/14	Chugach Optional	21	Elementary	Hannah Hilowitz award presentation
12/14	Scenic Park Elementary	67	Elementary	Salmon life cycle, habitat requirements
01/04 ^a	Wasilla High School	25	High School	Fly tying – egg/alevin, classroom assistance
01/16	King Career Center	24	High School	Fly tying – 4 egg patterns
01/16	King Career Center	22	High School	Fly tying – 4 egg patterns
01/17	Willow Crest Elem.	22	Elementary	Fly tying – 4 egg patterns
01/17	Klatt Elementary	54	Elementary	Fly tying – 4 egg patterns (2 classes)
01/18	Kasuun Elementary	48	Elementary	Fly tying – 4 egg patterns (2 classes)
01/18	Mt. View Elementary	23	Elementary	Fly tying – 4 egg patterns
01/19	Eagle River Elem.	50	Elementary	Fly tying – 4 egg patterns (2 classes)
01/22	Goose Bay Elementary	17	Elementary	Fly tying – 4 egg patterns
01/22	Snowshoe Elementary	54	Elementary	Fly tying – 4 egg patterns (2 classes)
01/23	Finger Lake Elem.	27	Elementary	Fly tying – 4 egg patterns
01/23	Meadow Lakes Elem.	55	Elementary	Fly tying – 4 egg patterns (2 classes)
01/24	Tanaina Elementary	56	Elementary	Fly tying – 4 egg patterns (2 classes)
01/25	Willow Elementary	18	Elementary	Fly tying – 4 egg patterns
01/26	Bear Valley Elementary	30	Elementary	Fly tying – 4 egg patterns
01/26	Polaris Alternative	18	High School	Fly tying – 4 egg patterns
01/29	Susitna Elementary	29	Elementary	Fly tying – 4 egg patterns
01/29	Aurora Elementary	28	Elementary	Fly tying – 4 egg patterns
01/30	St. Elizabeth Seton	48	Elementary	Salmon & shark dissection/CWT (2 classes)
01/31	Sherrod Elementary	29	Elementary	Fly tying – 4 egg patterns

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Table 3.-Page 3 of 4.

Date	School	# Students	Age Group	Subject
01/31	Sherrod Elementary	25	Elementary	Fly tying – 4 egg patterns
02/02	SAVE HS	30	High School	Fly tying – 4 egg patterns
02/02	SAVE HS	30	High School	Fly tying – 4 egg patterns
02/02 ^a	Pathways Alternative	11	High School	Stocked Lakes presentation
02/05	Gladys-Wood Elem.	48	Elementary	Fly tying – 4 egg patterns (2 classes)
02/05	Rabbit Creek Elem.	22	Elementary	Fly tying – 4 egg patterns
02/06	Fairview Elementary	35	Elementary	Fly tying – 4 egg patterns (2 classes)
02/06	Fairview Elementary	35	Elementary	Fly tying – 4 egg patterns (2 classes)
02/07	Orion Elementary	25	Elementary	Fly tying – 4 egg patterns
02/07	Orion Elementary	28	Elementary	Fly tying – 4 egg patterns
02/08	Creekside Park Elem.	25	Elementary	Fly tying – 4 egg patterns
02/08	Scenic Park Elem.	75	Elementary	Fly tying – 4 egg patterns (3 classes)
02/09	Oceanview Elementary	24	Elementary	Fly tying – 4 egg patterns
02/09	Huffman Elementary	78	Elementary	Fly tying – 4 egg patterns (3 classes)
02/09 ^a	Pathways Alternative	12	High School	Fly tying
02/12	Trailside Elementary	24	Elementary	Fly tying – 4 egg patterns
02/12	Inlet View Elementary	30	Elementary	Fly tying – 4 egg patterns
02/13	Butte Elementary	22	Elementary	Fly tying – 4 egg patterns
02/13	Butte Elementary	40	Elementary	Fly tying – 4 egg patterns (2 classes)
02/14	Nunaka Valley Elem.	26	Elementary	Fly tying – 4 egg patterns
02/14	Rogers Park Elem.	65	Elementary	Fly tying – 4 egg patterns (3 classes)
02/15	Denali Elementary	27	Elementary	Fly tying – 4 egg patterns
02/16 ^a	Pathways Alternative	11	High School	Fly tying, fish dissection
02/19	Tri-Valley School	18	Junior High	Salmon dissection/feeding fry
02/20	Anderson School	14	Junior High	Salmon dissection/feeding fry
02/20	Nenana School	17	Junior High	Salmon dissection/feeding fry
02/21	Crawford Elem.	21	Elementary	Fly tying – 4 egg patterns
02/22	Joy Elementary	20	Elementary	Salmon Q&A
02/23	North Pole Middle	150	Junior High	Salmon dissection (5 classes)
02/26	Tok School	14	Elementary	Salmon life cycle, habitat requirements, tank
02/27	Kenny Lake Elem.	18	Elementary	Fly tying – 4 egg patterns
03/02 ^a	Pathways Alternative	11	High School	Fly tying, career opportunities
03/07	Moose Pass School	24	Elementary	Salmon life cycle, habitat requirements, stamps
03/07	Redoubt Elementary	52	Elementary	Salmon dissection/CWT (2 classes)
03/08	Sears Elementary	24	Elementary	Salmon dissection/CWT (1 class)
03/08	Nikiski Elementary	28	Elementary	Salmon dissection/CWT (1 class)
03/09	Tustumena Elementary	120	Elementary	Salmon dissection (5 classes)
03/09	Mt. View Elementary	44	Elementary	Fly tying – 4 egg patterns (2 classes)
03/09 ^a	Pathways Alternative	11	High School	Fly tying
03/16 ^a	Pathways Alternative	11	High School	Fly tying
03/28	King Career Center	22	High School	Watershed 101, activities

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Table 3.-Page 4 of 4.

Date	School	# Students	Age Group	Subject
03/28	King Career Center	18	High School	Watershed 101, activities
03/29	King Career Center	22	High School	Salmon dissection/CWT, scales, tagging
03/29	King Career Center	18	High School	Salmon dissection/CWT, scales, tagging
03/30 ^a	Pathways Alternative	11	High School	Fly tying
04/07 ^a	Great AK Sports Show	30	Adult	Stocked lakes presentation
04/13 ^a	Palmer Middle School	27	Junior High	Career presentation
04/17 ^a	Mat-Su College	22	Adult	Watershed and stocked lakes presentation
04/19	Ravenwood Elementary	58	Elementary	Watershed 101
04/21 ^a	Mat-Su Fly Tiers	12	Elementary	Stocked lakes presentation
04/26 ^a	Colony Middle School	64	Junior High	Career presentation
05/04	East High School	40	High School	Salmon life cycle, habitat requirements
05/04 ^a	Colony Middle School	62	Junior High	Stocked lakes presentation
05/04 ^b	Mt. View Elementary	45	Elementary	Salmon dissection (2 classes)
05/07	Kenai MS/HS	25	Elementary	Watershed 101, activities
05/14	Wasilla High School	80	High School	Watershed 101, activities
05/21	North Star Elementary	30	Elementary	Watershed 101, activities
05/21	North Star Elementary	85	Elementary	Fly Tying – egg pattern (3 classes)
06/08 ^a	Mat-Su Con & Visitors	25	Adult	Mat-Su fishing opportunities
06/15	Girl Scouts USA	25	Elementary	Fly tying – egg sucking leech
06/16	Girl Scouts USA	78	Elementary	Fly tying – egg sucking leech (3 classes)
Total	142	5,529		

^a Presentations made by STREAM Program Technician – Palmer office.

^b Presentations made by STREAM Program Biologist – Soldotna office.

classes and worked with 1,697 students to tie the four life history patterns (egg, eyed egg, alevin, fry) they would observe in classroom incubators. The majority of school presentations this year were requests for salmon dissections and fly tying. Participation in the fly tying program more than doubled over the previous year, making it one of the most requested presentations/activities.

Field Educational Experiences

The STREAM Program occasionally receives requests from groups to lead outdoor presentations at a local stream or river. These talks range from assisting a Girl Scout Troop earn a nature badge to more detailed discussions with technical groups to consult on stream problems. Most of the field trips are based on a watershed perspective so that participants can become more aware of the “big picture,” that fish and aquatic organisms require more than just water to survive and how human impacts on a watershed can affect aquatic life. Hands-on activities usually accompany these presentations and typically several sites may be visited along a stream to discuss changes that have occurred in the system. Hands-on activities may include: sampling aquatic macroinvertebrates using nets, trapping juvenile salmonids or testing water quality with test kits. All these activities are incorporated into the presentation so that the “big picture” becomes clear.

In 2001, 10 field presentations were made to 214 attendees (Table 4). Most of the requests were made by an organization or group that wanted to educate its members about a specific stream or watershed topic.

Table 4.-Field educational experiences conducted by the ADF&G STREAM Program, 2001.

Date	School/Organization	# Students	Age Group	Location	Subject
07/11	AK Ctr for the Env. Camp	8	Elementary	Campbell Cr.	Salmon Dissection/CWT, juvenile fish ID, macroinverts
07/12	BLM mid-summer series	12	All	Campbell Cr.	Stream ecology, fish and macroinvertebrate ID
07/17	Youth Restoration Corps	5	High School	Crooked Cr.	Stream ecology, fish and macroinvertebrate ID
08/26	BLM/INCPA	25	Adult	Campbell Cr.	Data collection/AWL
08/29 ^b	Skyview High School	15	High School	Slikok Creek	Stream Ecology
09/15 ^b	Unknown Elementary	45	Elementary	Russian River	Weir visit, management
10/13 ^a	Snowshoe Elementary	25	Elementary	Cottonwood Cr.	Stream profiles, water quality, fish ID
06/05 ^a	Sherrod Elementary	23	Elementary	School pond	Macroinvertebrate and fish ID, water chemistry
06/20 ^a	YMCA	40	Elementary	Peggy Lake	Watershed, water chemistry, fish and macroinvertebrate ID
06/20 ^b	Youth Restoration Corps.	16	High School	Russian River	Weir visit, management
Total	10	214			

^a Presentations made by STREAM Program Technician – Palmer office.

^b Presentations made by STREAM Program Biologist – Soldotna office.

Teacher Workshops/In-Services

Teachers are becoming more interested in educating their students about salmon and streams. If trained properly, these teachers can assist the department in getting the word out in their classrooms. This becomes even more important when demand for STREAM Program staff class visitations exceeds available time. It is for this reason that the proper training of instructors is a high priority of the STREAM Program. Time is well spent when you can assemble several teachers together at a single time rather than on a one-on-one basis. Teacher workshops are considered formal or informal. Informal training sessions are not required by a school district where in-services are formal training sessions required by a district. Other sessions may involve the training of volunteers to assist at a STREAM Program event.

During 2001, five training sessions were held and attended by 68 people (Table 5). This year's training sessions included the annual Cooperative Extension Service's Incubation Workshop for statewide

teachers in Fairbanks and a college credit course offered by the STREAM Program for Kenai Peninsula area teachers.

Adopt-A-Stream Program

Adopt-A-Stream (AAS) programs are becoming increasingly popular across the country. These programs enable the general public to care for or monitor a favorite section of stream. In Southcentral Alaska these AAS projects are also used as an educational tool. The STREAM Program works primarily with schools and non-profit groups who wish to establish AAS projects. The program has grown from a single project in 1996 to 11 projects in 2001 (Table 6) with approximately 580 stream watchers. Participating adult groups are most interested in cleaning up sections of stream.

Table 5.-Teacher workshops and in-services conducted by the ADF&G STREAM Program, 2001.

Date	District	Teachers	Location	Subject
09/15	statewide	36	Fairbanks	Incubation project, brood stock, dissection
09/25	Kenai Pen.	8	Soldotna	Incubation Program/equipment, materials
09/26	Kenai Pen.	8	Soldotna	Watershed 101
10/07	Kenai Pen.	8	Soldotna	Quartz Creek watershed walk
10/09 ^a	Kenai Pen.	8	Soldotna	Slide presentation/local issues
Total	5	68		

^a Presentation made by STREAM Program Biologist – Soldotna office.

Table 6.-Adopt-A-Stream programs sponsored by the ADF&G STREAM Program, 2001.

Stream	School/Organization	Number Participants	Activity	Sign
Kenai River	Alaska Fly Fishers	90	cleanup	yes
Chester Cr.	Rogers Park Elementary	30	clean/monitor	no
Chester Cr.	Fairview Elementary	30	clean/monitor	no
Meadow Cr.	Eagle River Elementary	30	clean/monitor	no
Soldotna Cr.	Soldotna Elementary	100	clean/monitor	no
Swanson R.	Nikiski Elementary	30	clean/monitor	no
Moose River	Sterling Elementary	50	clean/monitor	yes
Slikok Cr.	Kalifornsky Beach Elementary	50	clean/monitor	no
Campbell Cr.	Gladys-Wood Elementary	30	clean/monitor	no
Ship Creek	Aerospace 3 rd EMS Ground Equip. and Flight	100	cleanup	yes
Ship Creek	3WG Maintenance Operations Center	40	cleanup	yes
Totals	11	580		

Schools may participate in AAS projects for educational purposes. Too many similar monitoring projects have promised teachers that their data would be stored in databases or used to fix potential problems in their streams, and historically these promises have never been kept. Many educators lost faith in these programs as a result and the STREAM Program has attempted to restore some of that lost faith in the name of education.

Teachers are informed up front that the purpose of the program is educational and not scientific in nature. It is suggested that schools participate at whatever level they feel comfortable with and that they are collecting water quality data to maintain their own database. This database can then be used to “communicate” findings with other schools in the same watershed or even different areas.

Water quality sampling equipment has been made available to teachers in Anchorage, the Matanuska Valley and the Kenai Peninsula. Instructors who have completed a training course may check the kits out for use at their AAS site. These kits are currently available for check out at the King Career Center (KCC) in Anchorage, the ADF&G area office in Palmer and the Kenai River Center and ADF&G area office in Soldotna.

Schools may participate at varying levels in activities which may include: stream cleanup (litter), stream and habitat surveys, macroinvertebrate (aquatic insect) surveys, water quality testing using chemical test kits, or involvement in an actual small-scale stream restoration project if they determine one may be necessary.

Educational Material Development

As the STREAM Program’s educational effort continues to expand so does the need for new materials to meet the demands of the growing program. The STREAM Program continues to design new effective hands-on ways to increase the public’s awareness of Alaska’s salmon resources.

Demand for curriculum from teachers continues to grow. Gaps in the STREAM Program’s educational programs have included learning materials in the areas of genetics and fish hatcheries in Alaska. Cooperative arrangements with ODF&W have resulted in receiving permission to “Alaskanize” an existing Oregon curriculum entitled *The Fish Hatchery Next Door*. This curriculum is ideal for educators who are not involved in other STREAM Program activities and whose only fisheries studies of the year may be to visit a local hatchery. This curriculum addresses all the basic salmon information currently available in the *Salmonids in the Classroom* packages but adds the hatchery connection. All too often the general public believes that hatcheries are the solution to all of our fisheries problems. Once completed, the Alaskan version will focus on the Fort Richardson and Elmendorf hatcheries in Anchorage and will discuss the enhancement role of these hatcheries. These two hatcheries currently conduct facility tours attended by several thousand school children. The teachers and students typically have little or no background information regarding the hatchery and its goals. This curriculum will eventually supply all the information necessary to increase visitors’ awareness of the role of hatcheries in Southcentral Alaska. It was not possible to make much progress in “Alaskanizing” this curriculum during FY01 due to time constraints and other priorities of ADF&G staff.

The STREAM Program had also been invited to comment and add Alaskan perspective information to a curriculum currently being developed by ODF&W called *Why Wild*. This curriculum focuses on genetics and the importance of maintaining wild stocks. Comments on the curriculum were passed on to

ODF&W, and the ADF&G Genetics program also reviewed these materials to insure that an Alaskan perspective was indeed addressed correctly. This curriculum, which will target middle school and older aged students, will make an excellent addition to the classroom salmon egg incubation program in that it will address issues that commonly come up in regard to department policies on stocking school-reared fry. In FY01 the Oregon Department of Fish and Wildlife produced a final product which was supposed be sent in for printing. The final curriculum package has not been seen yet this year.

The STREAM Program continues to work on modifications to the intermediate version of the Canadian *Salmonids in the Classroom*. The primary version has been completed and is currently in use in conjunction with most incubation projects across the state. The intermediate version will allow extension of the elementary level information to upper elementary grades.

Other STREAM Program educational developments from 2001 (Table 7) include:

1. *Streamkeepers Field Guide* manuals continue to be widely used by teachers and ADF&G staff as a valuable stream reference tool. Twelve copies were distributed in FY01.
2. Water quality testing kits were supplied to Soldotna area staff for local AAS projects.
3. Reference copies of *Pacific Salmon, Alaska's Story* were distributed to schools participating in salmon egg incubation projects. A total of 93 copies was distributed.
4. "First Catch" cards were again printed, laminated and distributed to children catching their first fish during STREAM Program ice fishing events and the Great Alaska Sportsman's Show. A total of 280 cards was distributed.
5. Salmon life cycle posters (181) and egg development vial displays (19) continue to be distributed to instructors.
6. Educational web pages continue to be created and updated for use by instructors.
7. The Canadian Department of Fisheries and Oceans is in the process of completely revising both the primary and intermediate versions of *Salmonids in the Classroom*. The STREAM program distributed copies of the draft curriculum to teachers at both levels and sent the test feedback to the writers.
8. Refrigeration units for the classroom incubation projects are now being built locally at about half the cost of having them built and shipped from Canada.
9. Planning started for the federal Wildlife Conservation and Restoration Program Initiative funded Aquatic Education Trailer. Proposals were prepared this year and will be sent to potential matching partners next fiscal year. Funding for the project takes effect in 2002.

OUTREACH

Stream Restoration/Habitat Activities

Integration of small-scale stream restoration projects with education has been an effective tool in increasing the public's awareness of salmon and especially the protection of their habitat. These projects are often very time consuming to plan, coordinate and implement, so unfortunately, the STREAM Program continues to decrease its efforts in this area, but will make opportunities available to the public should they become available at a reasonable time and cost.

Table 7.-Educational materials developed by the ADF&G STREAM Program, 2001.

Educational Aid	Comments
Salmon dissection program	892 salmon distributed and utilized by 3,484 school children
Adopt-A-Stream Streamkeepers manual	12 copies to participating AAS schools and agency people
Hach water quality kits and kick nets	1 kit set to the Kenai Peninsula school district programs
Pacific Salmon Alaska's Story	93 copies distributed to participating schools
Salmon life cycle poster	181 copies distributed FY01
Salmon Odyssey interactive CD	1 copy distributed FY01
Kenai River Watershed interactive CD	4 copies distributed FY01
Salmon egg/vial displays	19 distributed FY01
CES incubator set-up video	1 distributed FY01
First Catch Card program	280 cards distributed to kids catching their first fish
ADF&G incubation program manuals	17 copies distributed FY01
Primary <i>Salmonids in the Classroom</i> curriculum	13 copies distributed FY01
ADF&G game fish species poster	32 copies distributed FY01
STREAM Program 14 foot cargo trailer	Received cargo trailer for hauling event equipment
STREAM Program educational trailer	Planning process started for large road system trailer
Canadian <i>Salmonids in the Classroom</i> package	Assisted DFO with revised SIC teacher trials
Ken-A-vision Scope	Third scope for live egg/fish cams and fly tying
Refrigeration units for incubation program	Local manufacturer constructs new chiller units
Fish/wildlife luggage tags activity	Contributed by Federal Aid for special events
Primary <i>Salmonids in the Classroom</i> curriculum	Reprint 50 copies for teacher distribution
Educational web sites	Fly tying, art contest, parade and egg-take photos
Wireless sound system	Large event sound system for hearing presentations
"Chucky Chum" and Salmon Wheel activity	Incorporated into Region III staff Education activities
Hybrid salmon and Pike info laminates	Egg take and state fair information
STREAM Display	Updated photo layout and information boards
GASS pond volunteer T-shirts	"Thank you" for celebrity pond volunteers
GASS pond "regulatory" signs	Humorous kids fishing pond fishing rules
Sportsman Show banners	Acknowledgement banners printed by KCC
Salmon Celebration casting boards	Plywood boards with holes of varying sizes for casting
Fly Tying in the Classroom pamphlet	Updated and revised
Large fish release bowls	Purchased larger bowls for catchable fish releases

During 2001 work continued on the two informational kiosks installed along Campbell Creek (installing signage and maintenance). A small tree revetment was also installed along Campbell Creek above C Street to protect an eroding bank (Table 8). This project was completed with the assistance of students from Gladys Wood Elementary school, who have adopted that section of Creek.

Shows and Special Events

Large events or shows (Table 9) are an excellent way to reach out to segments of the population that may not have access to or a specific interest in fish or fishing. The activities at events in which the STREAM Program participates are always very hands-on oriented and easy to understand by the general public.

Table 8.-Stream restoration/habitat activities (outreach) conducted by the ADF&G STREAM Program, 2001.

Date	Location	No. Volunteers	Man Hours	Coop Agency/Org	Project
07/10/00	Campbell Creek	1	6	ADF&G -STREAM	Kiosk panels – 5 at two locations
08/23/00	Campbell Creek	1	3	ADF&G -STREAM	Kiosk Plexiglas repair – Folker
05/29/01	Campbell Creek	11	33	Gladys-Wood Elem.	C Street tree revetment install
Total	3	13	42		

The STREAM ice fishing program continues to be a popular pre-Christmas break, hands-on activity for instructors with an interest in expanding on their classroom salmon projects. This project serves as an introduction to winter fishing opportunities around Southcentral Alaska with ice fishing events held in Anchorage (Jewel Lake) and the Matanuska-Susitna Valley (Finger Lake). Both lakes were stocked experimentally this year with a new chinook salmon *O. tshawytscha*/pink salmon *O. gorbuscha* hybrid, which the students had to differentiate for an ADF&G catchability study. In Anchorage 1,360 students caught 686 fish, almost exclusively catchable chinook salmon and hybrids. Of the Anchorage student anglers, 149 (11%) caught their first fish ever. In the Matanuska-Susitna Valley 397 student anglers caught an astounding 1,427 fish and 70 (18%) of these caught their first fish. The Matanuska-Susitna Valley student catch was dominated by the hybrids, but they also caught catchable chinook salmon, rainbow trout *O. mykiss*, Arctic char *Salvelinus alpinus* and Arctic grayling *Thymallus arcticus* from Finger Lake.

The year 2001 saw the continuation of the “Salmon Celebration” program. All of the Salmon Celebrations are associated with a spring fish release with the exception of the Fairbanks area, which occurs during the fall egg take.

The two Anchorage events had a combined attendance of 3,200 students. The first Anchorage Salmon Celebration was held in conjunction with the release of classroom incubation coho fry by participating Anchorage area schools. The second event was a district-wide event where Anchorage school students were given coho smolt to release as part of ADF&G’s urban coho stocking program. The smolt came from the Ft. Richardson Hatchery.

The Salmon Celebration held in Kodiak had an attendance of 1,067 students. The event was held at North Star Elementary School and children from all the attending classes were given coho salmon fry to release that had been raised at their schools. The fry were released into nearby Island Lake. This is the only event where food was donated by the community for the students attending the event. Safeway and other organizations donated over 1,100 hot dogs and buns, chips, pop, plates, utensils and condiments which were handed out to the crowd, numbering approximately 10% of the population of Kodiak.

The Matanuska-Susitna Valley Salmon Celebration was a combined fish release event. Students who had raised coho salmon in their classrooms released their fish into Matanuska Lake. Other district-wide

Table 9.-Shows and special events attended or sponsored by the ADF&G STREAM Program, 2001.

Date	Event	Location	Attendance	# Volunteers	Purpose	Comments
07/12	Women in the Outdoors	Rabbit Cr. Rifle Range Anchorage	20	3 (6 man hours)	fly – tying and fly casting	2 groups of 12 tied egg sucking leech pattern
07/13	Women in the Outdoors	Rabbit Cr. Rifle Range Anchorage	20	3 (6 man hours)	fly – tying and fly casting	2 groups of 12 tied egg sucking leech pattern
08/24	Alaska State Fair	Palmer Fairgrounds	5,000	0	public information	live salmon hybrid display with information
09/27	Women in the Outdoors	Rabbit Cr. Rifle Range Anchorage	24	3 (6 man hours)	fly – tying and fly casting	2 groups of 12 tied egg sucking leech pattern
09/28	Women in the Outdoors	Rabbit Cr. Rifle Range Anchorage	24	3 (6 man hours)	fly – tying and fly casting	2 groups of 12 tied egg sucking leech pattern
10/24	School mascot ceremony	Chinook Elementary School	575	0	school mascot change	special guest speaker at assembly changing school mascot from road runner to chinook salmon
10/31	Celebrity reader	Abbott Loop Elementary	21	0	student book readings	read salmon related books to grade K class
10/31	Celebrity reader	Bear Valley Elementary	22	0	student book readings	read salmon related books to grade 2 class
12/01	Sport Fish Regulations Art Contest	Southcentral region	498	0	student artwork for regulation covers	Hannah Hilowitz
12/01	Sport Fish Regulations Art Contest	Bristol Bay region	57	0	student artwork for regulation	Shannon Braden
12/04	Mat-Su Borough School District (MSBSD) ice fishing	Finger Lake Palmer	180		winter fishing opps.	702 fish, 25 first catch cards
12/05	MSBSD ice fishing	Finger Lake Palmer	217		winter fishing opps.	725 fish, 45 first catch cards
01/08 – 01/11	Anchorage School District ice fishing	Jewell Lake Anchorage	1,360		winter fishing opps	686 fish caught, 149 first catch cards issued

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Table 9.-Page 2 of 3.

Date	Event	Location	Attendance	#Volunteers	Purpose	Comments
01/08	Sport Fish Regulations Art Contest	Kodiak region	57	0	student artwork for regulation covers	Vannapha Souriyasong
02/10	Fur Rendezvous Parade	Downtown Anchorage	2,000	60	salmonid and fishing awareness	60 children, parents and teachers construct float– 1 st place in division
02/22	FBKS ice fishing	Chena Lake Fairbanks	21	5	winter fishing	57 fish caught, 4 first catch cards issued
03/15	Trailside Elem Science Night	Trailside Elementary School	200	6	salmonid awareness	hands-on salmonid activities to increase awareness
03/22	Parade plaque presentation	Chinook Elementary School	575	0	special assembly	present Fur Rondy Parade 1 st place plaque to student body
04/05	Great Alaska Sportsman Show	Ben Boeke Arena - Anchorage	395	25 (100 man hours)	ASA Kids Fishing Pond	KCC volunteers–booths, pond, stocking, fish cleaning, 5 1 st catch cards issued
04/06	Great Alaska Sportsman Show – ASD intensive needs	Ben Boeke Arena - Anchorage	55	26 (54 man hours)	ASA Kids Fishing Pond	KCC volunteers–booths, pond, stocking, fish cleaning, 1 1 st catch card issued – special event for intensive needs students
04/06	Great Alaska Sportsman Show	Ben Boeke Arena - Anchorage	658	30 (234 man hours)	ASA Kids Fishing Pond	KCC volunteers–booths, pond, stocking, fish cleaning, 15 1 st catch cards issued
04/07	Great Alaska Sportsman Show	Ben Boeke Arena - Anchorage	1,129	30 (286 man hours)	ASA Kids Fishing Pond	KCC volunteers–booths, pond, stocking, fish cleaning, 17 1 st catch cards issued
04/08	Great Alaska Sportsman Show	Ben Boeke Arena - Anchorage	1,318	30 (228 man hours)	ASA Kids Fishing Pond	KCC volunteers–booths, pond, stocking, fish cleaning, 19 1 st catch cards issued
04/25	ASA pond Scholarship presentation	King Career Center - Anchorage	150	0	scholarship awards	Kevin Davis - \$1,000, Joel Wright - \$500, April Bowlby - \$500 Andrea Trent - \$500
05/08	Kenai Pen. Salmon Celebration	Johnson Lake - Kasilof	529	44 (264 man hours)	salmonid/ fishing awareness	hatchery trout release and hands-on activity booths – 24 classes

-continued-

Table 9.–Page 3 of 3.

Date	Event	Location	Attendance	#Volunteers	Purpose	Comments
05/11	Anchorage Salmon (fry) Celebration	Taku-Campbell Lake - Anchorage	1,600	39 (195 man hours)	salmonid/fishing awareness	classroom fry release and hands-on activity booths
05/15	Mat-Su Salmon Celebration	Matanuska Lake - Palmer	951	89 (534 man hours)	salmonid/fishing awareness	hatchery trout/school fry release and hands-on activity booths – 24 classes
05/22	Kodiak Salmon Celebration	Island Lake Kodiak	1,067	63 (315 man hours)	salmonid/fishing awareness	classroom fry release and hands-on activity booths
05/25	Anchorage Salmon (smolt) Celebration	Campbell Creek - Anchorage	1,600	55 (275 man hours)	salmonid/fishing awareness	smolt release and hands-on activity booths
06/10	Kenai River Festival	Kenai	450	14 (84 man hours)	salmonid awareness	hands-on activity booths
06/11	Kenai River Festival	Kenai	250	14 (84 man hours)	salmonid awareness	hands-on activity booths
06/15	Girl Scouts Encampment	Palmer Fairgrounds	25	6 (36 man hours)	fly - tying	egg stages and egg sucking leech pattern
06/16	Girl Scouts Encampment	Palmer Fairgrounds	78	8 (48 man hours)	fly - tying	egg stages and egg sucking leech pattern
06/18	Women in the Outdoors	Rabbit Cr. Rifle Range Anchorage	24	2 (4 man hours)	fly - tying and fly casting	2 groups of 12 tied egg sucking leech pattern
06/20	Women in the Outdoors	Rabbit Cr. Rifle Range Anchorage	24	2 (4 man hours)	fly - tying and fly casting	2 groups of 12 tied egg sucking leech pattern
06/23	National Wild Turkey Fed.	Rabbit Cr. Rifle Range Anchorage	66	1 (5 man hours)	fly - tying	children tied egg sucking leech pattern
Total	36		21,240	561 (2,774 man hours)		

students who were in attendance received catchable rainbow trout from Elmendorf Hatchery in Anchorage to release as part of the annual stocking program. Overall attendance was 951 students.

The Kenai Peninsula Celebration had an attendance of 529 students. Students arriving from around the Kenai Peninsula School District were given catchable rainbow trout from the Ft. Richardson Hatchery to release into Johnson Lake in Kasilof. These catchable fish were also part of the stocking allocation for that lake.

After releasing their fish, classes visited the hands-on booths where they learned more about various salmon, stream and fishing topics. The activity booths included salmon life cycle rubber stamps, macroinvertebrate touch tank, live fish display, button making, salmon habitat “wheel of misfortune,” watershed model, salmon scale aging, coded wire tag fish display and detector, salmon anatomy puzzles, handouts (including fishing regulations), fly tying and fly casting stations, and spin casting station. For the first time this year, ADF&G division of Wildlife Conservation (WC) staff manned a wildlife oriented booth with furs and skulls which was very well received.

The Fairbanks area Salmon Celebration was held in the fall during the school egg take because it would have been difficult to assemble all the participating classes for a spring event. There were 212 students from Mentasta Lake to Fairbanks attending the event at the Delta-Clearwater River. After doing the hands-on activities the classes left with their eggs for their classroom projects.

Overall attendance for all the Salmon Celebration events was 5,959 students. There were 311 volunteers who made these events possible this year.

Other major events this past year included the Kid's Fishing Pond with activity booths and local celebrity helpers at the Great Alaska Sportsman's Show (GASS) (3,555 children), the Kenai River Festival (700 children) and the Anchorage Fur Rendezvous Parade, where a local elementary school builds a salmon-related float for this annual parade. The parade was attended by approximately 2,000 people and the 60 students from Chinook Elementary won first prize in the non-commercial youth division for their ice fishing theme float.

GASS organizers with Aurora Productions again donated 50% of the children's show admission fee to the King Career Center's Natural Resources Class for running the activity booths and Kid's Fishing Pond at the show. Four scholarships (1-\$1,000 and 3-\$500) were awarded to college-bound students interested in pursuing careers in fish or wildlife.

This year's Sport Fish regulations cover art contest was held in three regions: Southcentral (combined Cook Inlet/Prince William Sound area), Kodiak and Bristol Bay. There were 612 entries received from all areas and fishing poles and other small prizes were awarded to the first through third place winners.

The STREAM Program also teamed up with the ADF&G Division of Wildlife Conservation to work with women who wanted to learn outdoor hunting and fishing skills through the WC program “Women in the Outdoors.” STREAM Program staff held sessions to teach the ladies how to tie a fly (egg-sucking leech) and cast a fly rod.

Many volunteers make these large events possible. In 2001, 561 volunteers spent at least 2,774 man-hours ensuring that events were a success. Just over 21,240 people participated in or attended this year's events.

Media Coverage

The media (Table 10) continues to play an important role in getting the STREAM Program word out to the public. Anchorage area media are very interested in the various projects that the STREAM Program conducts and although most stories are considered general interest, it still assists the department in getting the word out. The positive nature of these stories can only help a department whose media image, unfortunately, is oftentimes negative. The STREAM Program also continues to work with a local television network to produce several child-oriented segments relating to salmon.

Table 10.-Media coverage of the ADF&G STREAM Program, 2001.

Date	Media Organization	Event	Coverage Type
09/07	KTUU Channel 2	Kenai R fishing report – coho	television news
09/11	KTUU Channel 2	Kenai R fishing report – coho	web site coverage
09/21	KTUU Channel 2	Campbell Creek egg take	television news
09/22	KIMO Channel 13	Campbell Creek egg take	television news
09/22	APRN (90.3/91.1)	Campbell Creek egg take	radio interview
09/24	Anchorage Daily News	Campbell Creek egg take	news release
09/28	KNBQ Radio (Mat-Su)	Mat-Su Spring Creek egg take	radio interview
10/01	Alaska Magazine	Salmon egg cam	magazine article
10/03	Valley Frontiersman	Mat-Su Spring Creek egg take	newspaper article
10/19	Seward Phoenix Log	Moose Pass Elem. egg take	newspaper article
11/02	Hunting & Fishing News	FBKS egg take/Salmon Celebration	magazine article
11/06	Kodiak Daily Mirror	Kodiak egg take	newspaper article
11/06	FBKS Daily News Miner	FBKS egg take/Salmon Celebration	newspaper article
11/09	KTBY FOX 4	Williwaw salmon dissection	children’s TV program
11/20	APRN (90.3/91.1)	Fairview Elem. salmon dissection	radio interview
11/23	Anchorage Daily News	Eagle River Elem. salmon dissection	newspaper pictures
11/29	KTUU Channel 2	Tudor Elementary salmon dissection	television news
12/05	KTVA Channel 11	Mat-Su ice fishing	television news
12/08	Valley Frontiersman	Mat-Su ice fishing	television news
12/10	KIMO Channel 13	Youth Restoration Corps	television show
01/05	KTUU Channel 2	Ice fishing safety	Assignment Alaska-news
01/05	KTUU Channel 2	Ice fishing safety	web site coverage
01/05	KSKA 91.1	ASD ice fishing	radio interview
01/16	KTUU Channel 2	King Career Center fly tying	television news
01/21	Anchorage Daily News	ASD fly tying	news release
01/26	Valley Frontiersman	Meadow Lakes Elem. fly tying	newspaper article
03/12	Anchorage Daily News	Chinook Fur Rondy parade float	newspaper article
03/14	Peninsula Clarion	Mt. View Elem. fly tying	newspaper article
03/30	KOOL 97.3	GASS Pond	live radio interview
04/12	KTBY FOX 4	Ft. Richardson Hatchery	children’s TV program
04/13	KTBY FOX 4	Ft. Richardson Hatchery	children’s TV program
05/07	Peninsula Clarion	KPBSD Salmon Celebration	news release
05/07	Anchorage Daily News	GASS Pond	thank-you letter
05/09	Peninsula Clarion	KPBSD Salmon Celebration	newspaper article
05/11	KTUU Channel 2	ASD classroom fry release	television news
05/11	KIMO Channel 13	ASD classroom fry release	television news
05/16	Anchorage Daily News	ASD classroom fry release	newspaper picture
05/18	Valley Frontiersman	MSBSD Salmon Celebration	newspaper article
05/23	Kodiak Daily Mirror	Kodiak Salmon Celebration	newspaper article
05/25	KTUU Channel 2	Anchorage Salmon Celebration	television news
05/25	KTVA Channel 11	Anchorage Salmon Celebration	television news
05/25	KIMO Channel 13	Anchorage Salmon Celebration	television news
06/09	KSRM (Soldotna)	Kenai River Festival ADFG/ KRSFA	radio interview
Total	43		

Media in other areas of the state and even the country are becoming interested in STREAM Program activities as it expands into new areas of the Southcentral and Interior regions. In 2001 STREAM Program events or topics were covered 43 times. The STREAM Program will continue to take advantage of the media when there is interest in helping the department get more information out to the public. Examples of news articles that appeared in 2001 are presented in Appendix A.

Requests for Information or Materials

Table 11 documents requests for information or materials during 2001. In 2001, the STREAM Program responded to 470 requests. These requests ranged from phone information to loans of scientific or educational materials.

Table 11.-Requests for information, materials and equipment from the ADF&G STREAM Program, 2001.

Requests for materials or information	438
Educational material loans	20
Scientific or field equipment loans	12
Total	470

Program Contributions

Many agencies, businesses, organizations and individuals have made contributions to the STREAM program to either support or enhance activities. It is important to recognize and thank these people for their generous support. This year’s contributors include:

Great Alaska Sportsman’s Show:

ASD King Career Center – manpower to run pond and booths

Bill’s Distributing – soft drinks for celebrity volunteers

USFWS Federal Aid – luggage tag activity

KTUU Channel 2, KTBY FOX 4 Kids Club, KTVA Channel 11, KIMO Channel 13, KOOL 97.3 FM, MAGIC 98.9 FM, FOX 100.5 FM, Fish and Wildlife Protection, University of Alaska hockey team, Michael (Sourdough Mike) McDonald, Iditarod musher Martin Buser – Celebrity assistance at the Kid’s Fishing Pond

Anchorage Fire Department – pond fill and celebrity assistance at pond

Fly Tying in the Classroom Program:

Mark Mahoric (Silent Run Guide Service), Bennie Leonard, Pudge Kleinkauf and Frank Willis (Alaska Flyfishers), ASD King Career Center – volunteer classroom support

O. Mustad Co. – supplied hooks for next year’s fly tying programs

National Wild Turkey Federation – fly tying supplies

Classroom Salmon Egg Incubation Program:

University of Alaska Cooperative Extension Service, Exxon USA and the Youth Restoration Corps – Refrigeration equipment for the classroom incubators

Safeway, Kodiak Island School District and Birch Brothers – food for Kodiak Salmon Celebration

Miscellaneous:

Inlet Salmon – 500 pink salmon for school dissections

Fish On Alaska Magazine - \$100.00 donation

Flooring America – carpet squares for children to kneel on at ice fishing events

INFORMATION SERVICES

In 1997, the region identified the need to dedicate personnel and resources to responding to the increasing demands of the public for information about sport fishing and Alaska's fish resources. Prior to this, meeting the informational needs of the public, both in person and through the mail and phone inquiries, was delegated as more or less an "other duties as assigned" function of the administrative and management staff. In the fall of 1997 Southcentral Region of Sport Fish Division embarked on the mission of developing an Information and Education Program designed to complement the existing aquatic education (STREAM) program and address the need for staff dedicated to responding to the public need for information about the region's sport fisheries.

The first step to implementing the Information and Education program was hiring staff whose specific duties were to respond to public inquiries about sport fishing and to develop informational materials to address these needs. In FY01, staff included a full-time Information Officer I, full-time Administrative Clerk III, full-time seasonal Fish and Wildlife Technician II, and two weeks of a non-permanent student intern.

Sport Fish Information Center Visitors and License/Permit Sales

In FY01 the Sport Fish Information Center (SFIC) staff served over 12,700 in-person visitors in 248 working days (Table 12). The highest number of visitors occurred in the week of July 3, which saw 1,282 in-person visits, and the slowest weeks were in mid-December.

In FY01, it was decided that the SFIC would offer both the Chitina Subdistrict Personal Use Salmon permits (sold at \$25.00 each) and the Glennallen Subdistrict Subsistence Salmon permit (free). Prior to FY01, the permits were available only in the Glennallen area. Having permits available at the Anchorage SFIC added a higher level of convenience to resource users, and thus better customer satisfaction. Staff from Juneau Licensing and from Region 3 Glennallen office trained SFIC staff in issuance and reporting.

Sales began in May 2001, totaling \$11,500 for May and June (FY01). A total of 656 Chitina permits were issued in these two months.

The SFIC also sells fishing and hunting licenses, commercial crew member licenses, king salmon stamps, big game tags, and duck stamps. In FY01, total sales was \$49,261 for 1,357 licenses, 40 big game tags, 608 king stamps, and 17 duck stamps. Combined revenue from license and Chitina permit sales for FY01 was \$60,761.

Table 12.-Walk-in public contacts at the Anchorage Sport Fish Information Center, by week, during FY01.

2000			2001		
Week	Days	Visitors	Week	Days	Visitors
3-Jul	4	1,282	5-Jan	4	86
10-Jul	5	571	12-Jan	5	67
17-Jul	5	451	19-Jan	4	69
24-Jul	5	222	26-Jan	5	92
31-Jul	5	128	2-Feb	5	63
7-Aug	5	122	9-Feb	5	93
14-Aug	5	137	16-Feb	5	74
21-Aug	5	85	23-Feb	4	58
28-Aug	5	88	2-Mar	5	84
4-Sep	4	52	9-Mar	5	96
11-Sep	5	44	16-Mar	5	117
18-Sep	5	63	23-Mar	5	121
25-Sep	5	65	30-Mar	4	117
2-Oct	5	28	6-Apr	5	134
9-Oct	5	25	13-Apr	5	156
16-Oct	4	19	20-Apr	5	197
23-Oct	5	29	27-Apr	5	274
30-Oct	5	20	4-May	5	303
6-Nov	4	21	11-May	5	325
13-Nov	5	17	18-May	5	503
20-Nov	4	23	25-May	5	648
27-Nov	5	15	1-Jun	4	446
4-Dec	5	13	8-Jun	5	880
11-Dec	5	5	15-Jun	5	974
18-Dec	4	6	22-Jun	5	427
25-Dec	4	28	29-Jun	5	397
Subtotal	123	5,966	Subtotal	125	6,801
Total for FY01		248 days			
		12,767 visitors			

Other Products Issued FY01

Staff at the SFIC also issued Upper Cook Inlet Personal Use Dip Net Permits; Cook Inlet-Resurrection Bay Shellfish Permits; Proxy Information Forms; Guide Registration forms; Salt Water Charter Vessel Logbooks; Permanent Identification Card applications; and Disabled Veteran's Identification Card applications.

In addition to the walk-in visits, information center staff responded to thousands of phone inquiries, mail inquiries and e-mail inquiries.

Informational Publications

In FY01, 44 handouts were produced in the Region II I&E program with input from biologists throughout the region. The handouts (Table 13) are made available at the Anchorage Sport Fish Information Center, all area offices in the region, and posted on-line. Eleven new informational products were developed in FY01.

Stocked Lake Maps Series

During FY01 lake maps were completed for Kodiak Stocked Lakes (22 lakes) and the maps were posted on-line.

Great Alaska Sportsman's Show

The Great Alaska Sportsman's Show (GASS), a fishing, hunting, and outdoor recreation trade show held every spring in Anchorage, Alaska, is an event that Sport Fish Division has actively participated in since the mid 1980s. Over the years, the show has attracted nearly 25,000 adult and child visitors over a 4-day period. According to Aurora Productions, producers of the show, over 80% of show visitors are residents of Alaska.

The division's participation and contribution to the show has always been in three arenas: the Kid's Fishing Pond in the Ben Boeke Arena; the set-up, staffing, and tear-down of a large booth in the Sullivan Arena; and the coordination for show management of expert speakers from the divisions of Sport Fish, Habitat, and Wildlife Conservation. Coordination of the booth area includes set-up for Division of Sport Fish, Division of Wildlife Conservation, and the Division of Habitat & Restoration; as well as set-up for the USF&WS Federal Aid Program and the Bird Treatment and Learning Center.

The primary objective of the division's participation in the booth and coordinating seminar topics is to take advantage of the opportunity to provide a large number of current and potential anglers with accurate and timely information and resources about sport fishing. Because the date coincides with the time people are gearing up for the fishing season, the GASS has also been used as a target date for the distribution of the current year's sport fishing regulation summary books.

The Fishing Pond has been under the wing of the STREAM Program since its inception and was discussed earlier in this report. The responsibility for the booth in the Sullivan Arena has historically been with the Region II area management staff. In the fall of 1997, with the inception of the Information and Education program, the responsibility for organizing and implementing both the booth and the Department speakers at the GASS was placed under the I&E program.

Table 13.-Sport fishing informational handouts available from the Anchorage Sport Fish information center.

DOCUMENT TITLE	FY99	FY00	FY01
<u>REGION II</u>			
Great Alaska Sport Fishing Spots for the Mobility Impaired	Updated	Updated	Updated
Pacific Halibut	Updated	Updated	Updated
Upper Cook Inlet Personal Use Salmon Regulations	Updated	Updated	Updated
Alaska Board of Fisheries	Updated	Updated	Updated
Ice Fishing in Southcentral Alaska	Updated	Updated	Updated
Find Us on the Internet	Updated	Updated	Updated
UCI Personal Use Salmon Regulations	Updated	Updated	Updated
Terminal Tackle in Southcentral Alaska	Updated	no change	no change
Dolly Varden of Southcentral Alaska	New	no change	no change
Northern Pike Lakes			New
What's New in 2001 Southcentral Fisheries			New
Don't be a "Dip" (dipnet do's and don'ts)			New
<u>ANCHORAGE</u>			
Sport Fishing in the Anchorage Area	Updated	Updated	Updated
Anchorage Area Fish Run Timing	Updated	Updated	Updated
Anchorage-area lakes bag limits card			New
<u>BRISTOL BAY AREA</u>			
Southwest Alaska Rainbow Management Policies	Updated	no change	no change
Fishing Lodges and Charter Services for Bristol Bay	Updated	Updated	Updated
Sport Fishing in the Naknek River	Updated	no change	no change
Sport Fishing in the Togiak, Goodnews, and Kanektok Rivers	Updated	no change	no change
Sport Fishing in the Newhalen River	Updated	no change	No change
Sport Fishing in Talarik Creek	New	no change	no change
Sport Fishing in Southwestern Alaska	New	no change	no change
Management Outlook for the Sport Fisheries of Southwest Alaska			New
Proper king salmon release poster			New
<u>HOMER AREA</u>			
Sport Fishing in Kachemak Bay	Updated	Updated	Updated
Tidepooling Etiquette	New	no change	no change
Sport Fishing on the Lower Kenai Peninsula	Updated	Updated	Updated
Clam digging on Kachemak Bay poster			New
Don't be caught with your pots down -- crabbing in K-Bay			New
<u>KENAI PENINSULA</u>			
Kenai Peninsula Stocked Lakes	Updated	Updated	Updated
Recreational Fishing in the Kenai River	Updated	Updated	Updated
Kenai Peninsula Razor Clams	Updated	Updated	Updated
Russian River Sockeye Salmon	Updated	Updated	Updated
Kenai Peninsula Run Timing	Updated	Updated	Updated
Kenai Peninsula Dolly Varden	Updated	Updated	Updated
Seasonally-closed Banks of the Kenai River			New
<u>MATANUSKA-SUSITNA VALLEY</u>			
Matanuska-Susitna Valley Lakes Fishing Forecast	Updated	Updated	Updated
Northern Cook Inlet King Salmon Sport Fishing	Updated	Updated	Updated
Fishing for Coho Salmon in the Mat-Su Valley	Updated	Updated	Updated
Major Northern Cook Inlet Sport Fisheries, Availability Timing	Updated	Updated	Updated

-continued-

Table 13.-Page 2 of 2.

DOCUMENT TITLE	FY99	FY00	FY01
<u>PRINCE WILLIAM SOUND</u>			
Fishing in the Cordova Area	Updated	Updated	Updated
Fishing in the Valdez Area	Updated	Updated	Updated
Rockfish in Prince William Sound	Updated	Updated	Updated
Prince William Sound Run Timing	Updated	Updated	Updated
Fishing for Salmon in Prince William Sound	New	Updated	Updated
Prince William Sound Shellfish			New
<u>RESURRECTION BAY/SEWARD</u>			
Sport Fishing on the Eastern Kenai Peninsula, Seward and Res. Bay	Updated	Updated	Updated
<u>KODIAK</u>			
Sport Fishing in the Kodiak Area			New

The booth is set up in its own room on the Mezzanine level of the Sullivan Arena. Booth and furniture rental is donated to ADF&G by Aurora Productions, with the understanding that ADF&G staff will assist with providing seminars.

For the 2001 show, the region decided to maximize the show's potential to reach anglers with a specific message. A theme was agreed upon with regional leadership and the Information Officer: "Southcentral's UN-Invited Guests: Illegally-Introduced Northern Pike." A backdrop was rented, and display posters designed and produced illustrated the impact of illegally-introduced northern pike. An aquarium was set up with two pike captured from Cheney Lake, and a magnet tradeshow giveaway emphasizing the theme was developed and distributed.

A limited quantity of informational handouts were available, but the emphasis of the booth was a targeted message, instead of an information dump. The largest quantities of informational handouts were reserved for those that tied-in with the message: Southcentral Northern Pike, and Northern Pikes Lakes.

The Division of Wildlife Conservation also offered public handouts for the first time at their booth, which added to the information-rich area.

In addition, new banners were developed and printed, in order to identify divisions once the public reached the booth, and in order to direct traffic into the booth area.

Public and staff reaction to the booth was extremely favorable, especially of the magnet giveaway and the live fish. Reaction was so favorable that it has been decided to continue to develop themes for this valuable outreach opportunity.

Twelve staff members offered seminars, including a special northern pike tie-in seminar. Twenty staff members participated in staffing the booth.

Other Information Activities

Information Center staff also gave weekly radio sport fishing updates for KSKA, and participated in two Women in the Outdoors fly-tying, fly-casting seminars, June 18 & 20, 2001; four Anchorage Community Schools presentations, November 28 Ice Fishing, April 24 Dipnetting, and May 1 & 3,

Spring Fishing; gave building staff scanner training on May 23, and judged the Alpenglow Elementary Science Fair on March 20. Staff also visited area fisheries to provide current, up-to-date reports on angler effort and success.

The Information Officer also served as substitute Webmaster, scanned in and adjusted slides for staff, assisted with Board of Fisheries presentation materials, re-vamped the recorded phone message and fishing hotlines information, assisted with Divisional strategic plan efforts, distributed over 50 news releases and Emergency Orders, designed and purchased advertising in various print media, built a library of other states' printed fishing regulation summaries, solicited articles for the Division newsletter (Currents), updated the Emergency Order contact list for the region, and assisted with budget preparation.

FUTURE GOALS

Education and Outreach

Future program goals for education and outreach are:

1. Secure matching funds for educational trailer. Design, get bids and award construction of trailer project – to be completed by the end of FY02 or early FY03.
2. Expand the classroom salmon egg incubation program where requested in all areas.
3. Continue efforts to develop relationships with Division of Wildlife Conservation education programs staff.
4. Maintain or increase participation level in the fly tying in the classroom program.
5. Continue to investigate and take advantage of community funding sources or support to meet the demands of the expanding STREAM Program.
6. Expand duties of seasonal technician in the Matanuska-Susitna Valley and continue to seek STREAM Program assistance from other area offices.

Information Services

Future program goals for information services are:

1. Develop new informational brochures as needs are identified and revise and update existing informational handouts, to include conservation information, better photographs and maps, and more information about remote fisheries.
2. Continue to develop displays for the information center to inform visitors about Alaska's fish resources, sport-fishing opportunities, regulations and management strategies.
3. Great Alaskan Sportsmen's Show: Plans for next year's participation in the GASS include selling licenses at the booth; increasing staff participation at the booth and in the seminars; revising, updating, and standardizing presentations so that more presenters are available; and improving signage.

ACKNOWLEDGMENTS

The staff of the Information and Education Program would like to thank Becky DeArmoun for her tireless efforts in ensuring that the Information Center ran smoothly.

The STREAM Program would like to acknowledge the efforts of all the volunteers and staff who helped at the many events held this year, but especially to ADF&G Technician Craig Baer for assisting the STREAM Program in the Matanuska–Susitna Valley area as well as during all the egg takes, ice fishing and fly tying programs. Thanks to the staff at the Fort Richardson and Elmendorf Hatcheries for supplying staff time, trucks and fish for many of the STREAM Program’s events. A special thanks to the dedicated classroom fly tying crew – Bennie Leonard, Frank Willis, Mark Mahoric, and Pudge Kleinkauf who helped make this another fantastic year. Thanks to Mike Woods and his Natural Resources class at the King Career Center for making the Great Alaska Sportsman’s Show Kids Fishing Pond and activity booths a success and for the many hours the students helped during fish releases and carnivals. Thanks to the Northstar Elementary sixth grade class (Kodiak), the Wasilla High School Classes, Crawford Elementary sixth grade and Kenai Middle and High School classes for making all this year’s Salmon Celebrations a success. To the many other agencies, businesses, organizations and individuals noted previously who have helped this year. Finally, to all the teachers and school district staff throughout Southcentral Alaska and the Interior who make my job enjoyable and rewarding – thanks for helping me make students more aware of our salmon resources. Without the support of volunteers, teachers and community many of the STREAM Program’s events would not be possible.

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APPENDIX A. NEWS ARTICLES

Appendix A1.-News articles.

Reprinted From **KTUU.com**
August 2000

Still silver

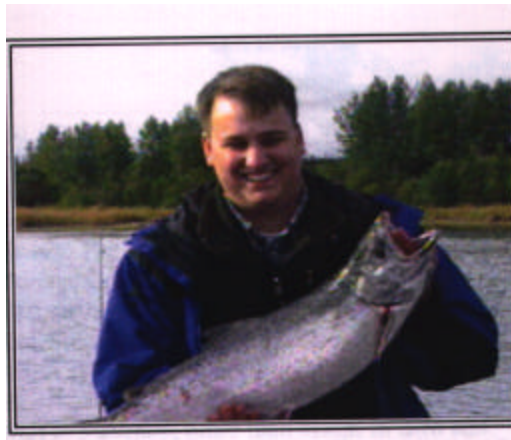
It's time to go fishing once again and this week Channel 2 News reporter James Brown and photographer Dean Percy take us to the Kenai River to catch some coho.



Fritz Kraus and James Brown display their trophies.

The Channel 2 team went drift fishing along the upper section of the Middle Kenai River.

Our guide along the way was Mark Mahoric, owner of Silent Run Guide Service.



"My service is based on taking two a day like a table for two at a restaurant," Mahoric says.

But because this is the last fishing report of the season, he took three of us. Included on the trip was Fish and Game biologist Fritz Kraus.

At times this crew was more like the Three Stooges than fishermen.



But there are so many fish in the Kenai right now, even us amateurs look good. We found thousands of pinks and some silvers just below Skilak Lake between Dot's Landing and Bing's Landing.

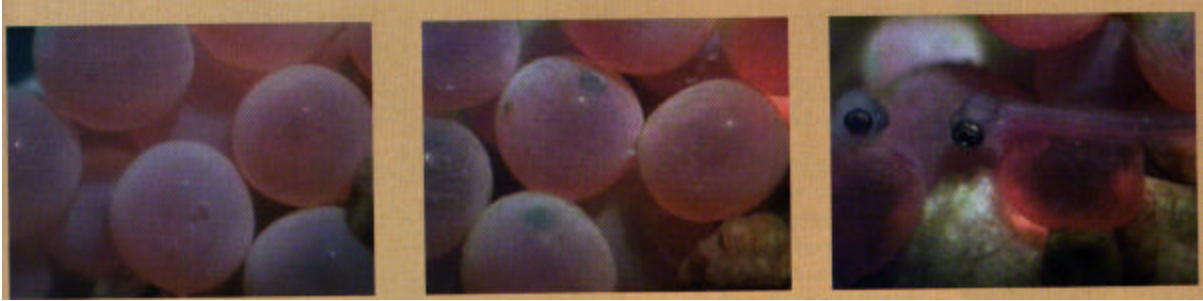
Pinks are nice, but we're after the silvers. And after a brief fight and a missed net job by Mahoric, our guide, Kraus had his hands on the first silver.

Reprinted From Anchorage Daily News
September 24, 2000

Kids learn about salmon

All over Southcentral, school kids are getting ready to catch and milk salmon as part of an educational program sponsored by the Alaska Department of Fish and Game. Salmon have already been caught in Anchorage. Their eggs and milt were taken for distribution to local schools. Students will take about 250 fertilized eggs back to their classrooms, where they are placed in aquarium gravel so their development can be monitored from hatching to alevin (tiny fish with yolk sac attached) in the gravel to emerging fry. The fry will be released in local streams next spring. If you're interested in the program, call Fritz Kraus of the Alaska Department of Fish and Game at 267-2265.

Reprinted From Alaska Magazine
October 2000



FISH 'NET?

Video cameras—"cams" in cyberspeak--seem to be everywhere. Now, thanks to the Alaska Department of Fish and Game, you can watch salmon eggs hatch on the internet.

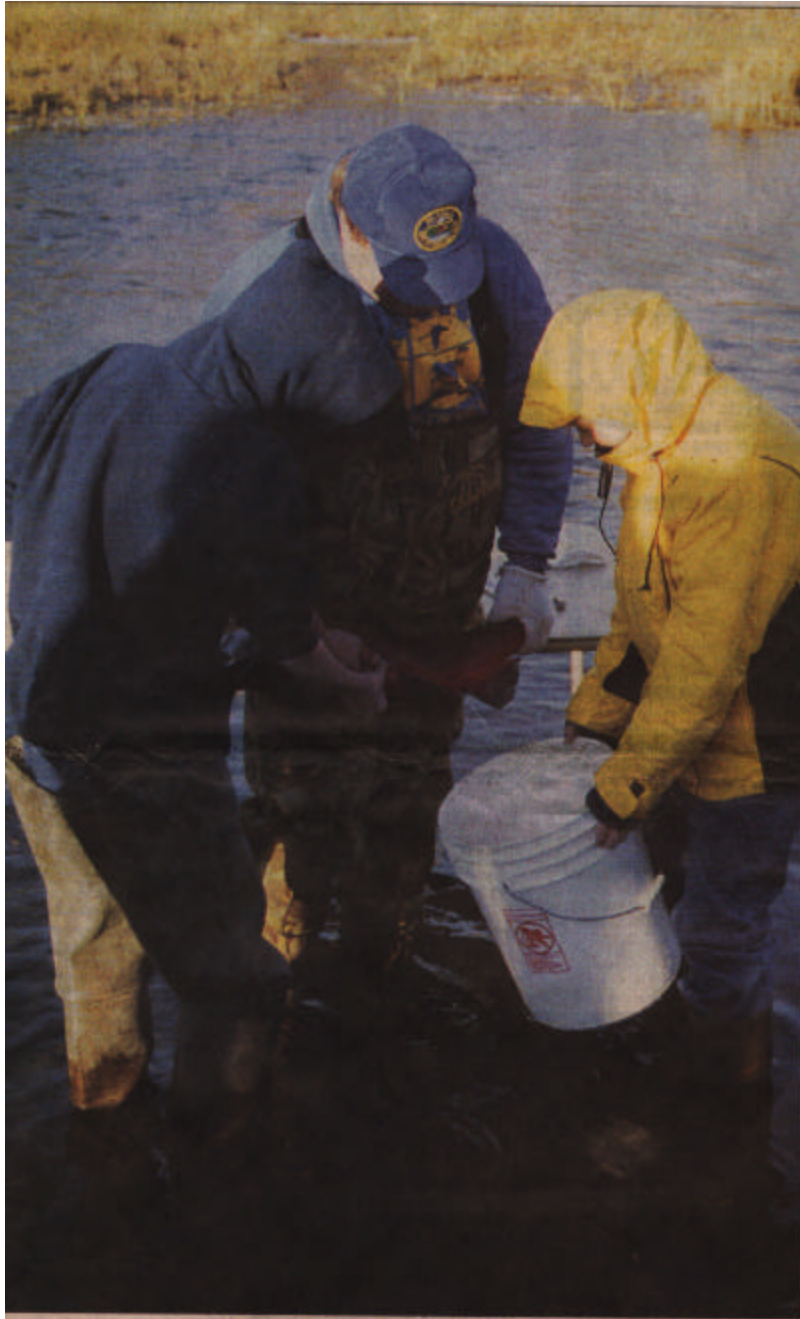
The state agency has installed incubation tanks in more than 200 classrooms statewide. The incubators help teachers educate students about the biology~ life cycle and life histories of salmonids.

Not every class that wants an incubator can get one, however, so Fish and Game developed an Internet Web site to Provide virtual access. The cam takes still images from early October until the fish emerge from the gravel, in late January or early February. Then the camera goes live. In summer, after the salmon fry have been set free in a lake, the Web site contains a "Photo Album" of images captured while the eggs were developing.

While not edge-of-your-seat action, this is pretty interesting stuff, especially for kids who haven't thought about where fish come from. As a measure of its quality the Web site made the Earth Cam TOP 10 soon after its Internet debut.

To watch the show click on the Salmon Egg Incubation, Link under Education on the Department of Fish and Games Region 2, Main Page at: (www.state.ak.us/local/akpages/FISH.GAME/sportf/region2/r2home.htm).

Reprinted From *Frontiersman*
October 3, 2000



Reprinted From Seward Phoenix Log
October 16, 2000



Moose Pass Elementary student Sam Schilling and CIAA assistant hatchery manager Tom Prochazka harvest coho salmon eggs last week at the Bear Creek fish weir.

Reprinted From Seward Phoenix Log
October 19, 2000



Hatchery Technician Kathy Cline tosses coho salmon out of a concrete holding tank at the fish weir last Wednesday.

Reprinted From *Seward Phoenix Log* October 19, 2000

By Jason Algeldinger

Seward Phoenix LOG

Things were a bit fishy at Cook Inlet Aquaculture Association's fish weir on Bear Creek Wednesday afternoon.

While legislators cry for "accountability" from our nation's school-aged children by subjecting them to standardized testing, the only cries erupting Wednesday from roughly 40 Moose Pass Elementary School kids were standard "ooooohs" and "yuck" as fish bellies were sliced open and eggs squeezed and coaxed into plastic buckets.

Students were held accountable to actively participate and take a small piece of a future resource back to class and help them grow.

Moose Pass School is participating in a year-long project sponsored by the Aquaculture Association and Alaska Department of Fish and Game. Both organizations provide students with educational assistance and Fish and Game has donated incubators which will enable students to raise coho salmon fry in the classroom.

According to Tom Prochazka, the association's assistant hatchery manager, the project was conceived about 10 years ago by hatchery staff to help educate peninsula students on the life cycle and habitat of salmon. This year, Moose Pass and Ninilchik Elementary Schools are participating.

"It was just something we spawned at the hatchery," joked Prochazka. "The staff showed willingness and so we decided to do it."

CIAA Technician Kathy Cline had an attentive audience of kids both young and old as she vividly described the journey salmon take up local streams each fall.

Many coho salmon arrive at the weir with claw marks from bears and seal bites, said Cline. Some are blind from getting trapped in shallow water and having their eyes picked out by seagulls.

"They go through a lot to come upstream and have their babies," said Cline. Coho females carry between 3,700 to 4,000 eggs, she said.

Eager students assisted Prochazka and CIAA technicians Cline and Terry Mcgee in extracting eggs from over a half dozen female coho salmon at the weir.

The word eager might not be applicable to all students.

Some younger students winced and opinions like "gross" and "yuck" were the audience's standard reactions as pink eggs and bright red blood oozed off the fingers of student volunteers harvesting the eggs. The extracted eggs were placed in ziploc bags for transportation back to their classrooms.

From there, Prochazka said the students place roughly 3,000 coho eggs in a 25 gallon plastic incubator and watch as the eggs transform into sac fry over the next few months.

If the eggs are kept at a constant 5 degrees Celsius with the help of a donated chiller, the sac-fry will hatch from their shells in about 200 days, said Prochazka. When the fry consumes the yolk material it carries, the fry will emerge from the gravel and seek food.

At that stage, students will deliver them back to the hatchery so they can mature. The fry will be released into Bear Creek next spring, Prochazka said.

This was not just a learning experience for the students.

"I'm learning right along with the kids," said kindergarten and first grade teacher Heather Lindquist.

The salmon unit she and her students are participating in is part of the district's curriculum requirements, said Lindquist.

Raising the fry will require students to monitor the water temperature daily and students will also study the salmon's life cycle and ecology of the Kenai watershed.

Activities will include checking the water quality of area streams, dissecting salmon, and fish printing, an art project where students press painted salmon onto rice paper to capture the salmon's natural scale configurations.

Students from grades kindergarten, first, fifth and eighth will be participating in this thematic learning unit~ which is designed to encompass math science, and social studies.

"My older kids will be acting as tutors and role models for little kids," said Lindquist.

Not only will Lindquist be using the warehouse of resources from the district media center to teach the unit, she'll also rely on Seward and Moose Pass locals who work in the fishery and rely on the resource for work, as well as recreation.

"It's extremely important for students to understand that these salmon are an integral part of our economy, ecosystem and life here in Alaska," said Lindquist.

Reprinted From Kodiak Daily Mirror
November 6, 2000

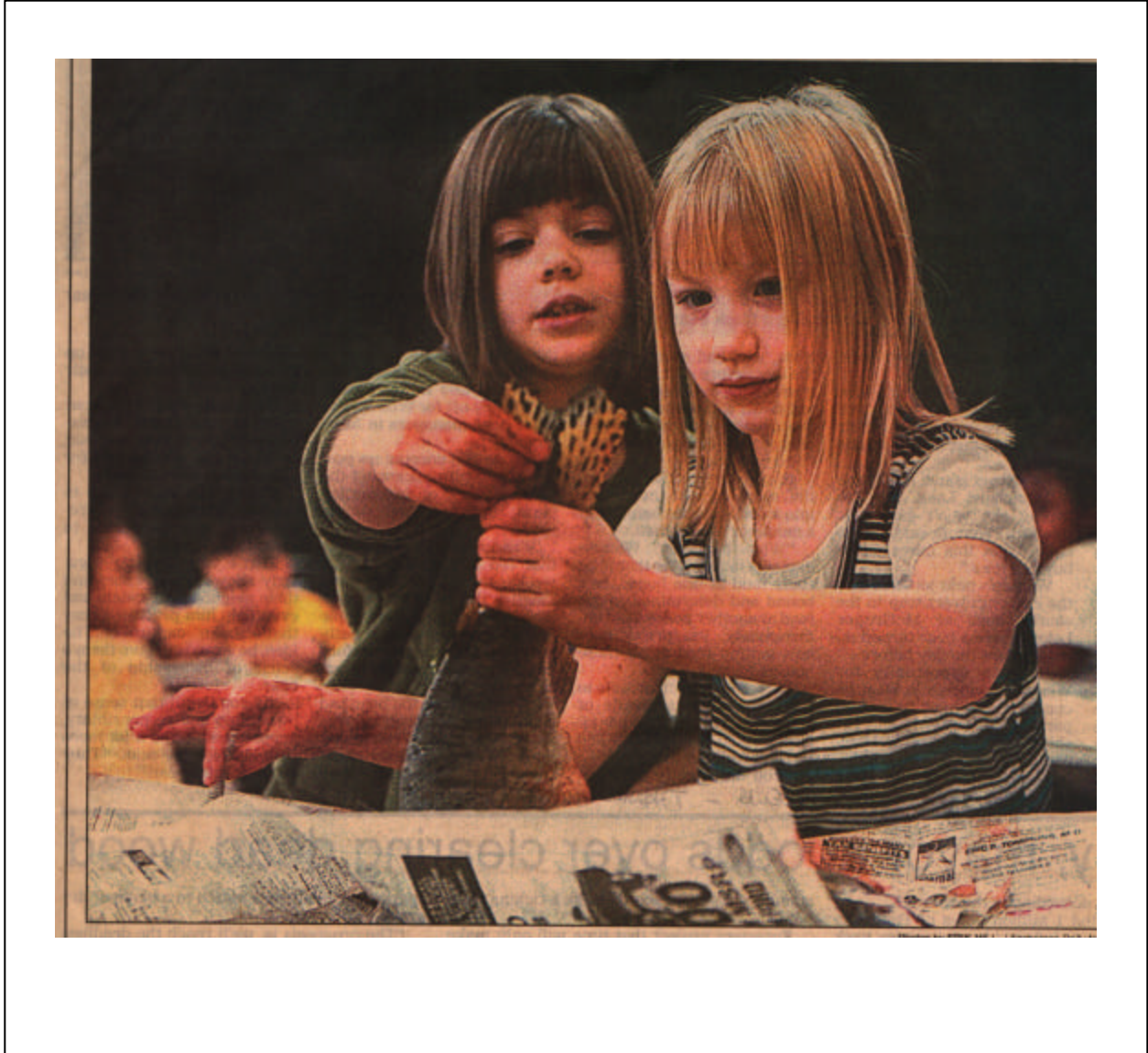


Reprinted From Anchorage Daily News
November 23, 2000



Becky DeArmoun and Fritz Kraus of the Alaska Department of Fish and Game describing the anatomical parts of a salmon.

Reprinted From Anchorage Daily News
November 23, 2000



Reprinted From **Frontiersman**
December 8, 2000



Learning the chills and thrills of ice fishing

By **EOVVYN LeMAY IVEY**

Frontiersman reporter

MAT-SU - It was ice fishing as hot as it gets.

"I got one."

"Me, too."

"Here's another one over here."

As quickly as the Finger Lake Elementary students could lower the bait into the freezing water, small salmon were lunging at their hooks and practically jumping out of the holes in the ice.

"Yesterday we caught 700," said Craig Baer, with the Alaska Department of Fish and Game. For the fourth year in a row, Fish and Game gave local school-children a chance to fish through the ice of Finger Lake. The department supplied the poles, holes and expertise. All the classes had to bring was bait and warm clothes.

"It's fun," said Finger Lake third-grader Angie McCready, who had already caught two fish. "I'm looking in the hole and a bunch are just swimming by."

Several hundred students from Tanaina, Sherrod, Goose Bay, Swanson, Wasilla Middle, Finger Lake, Snowshoe and the Midnight Sun Family Learning Center participated in the event Monday and Tuesday. The classes are also involved with the department's salmon incubation program, in which they raise coho salmon in their classrooms. Baer said there is a waiting list for other classes that want to get involved as well.

A few of the children had never set foot on a frozen lake before, and many had never landed a fish. Students who caught their first fish were awarded a certificate from Fish and Game.

In addition to Fish and Game staff, the two days of ice fishing were facilitated by Wasilla High ecology students and parents and teachers from the elementary schools.

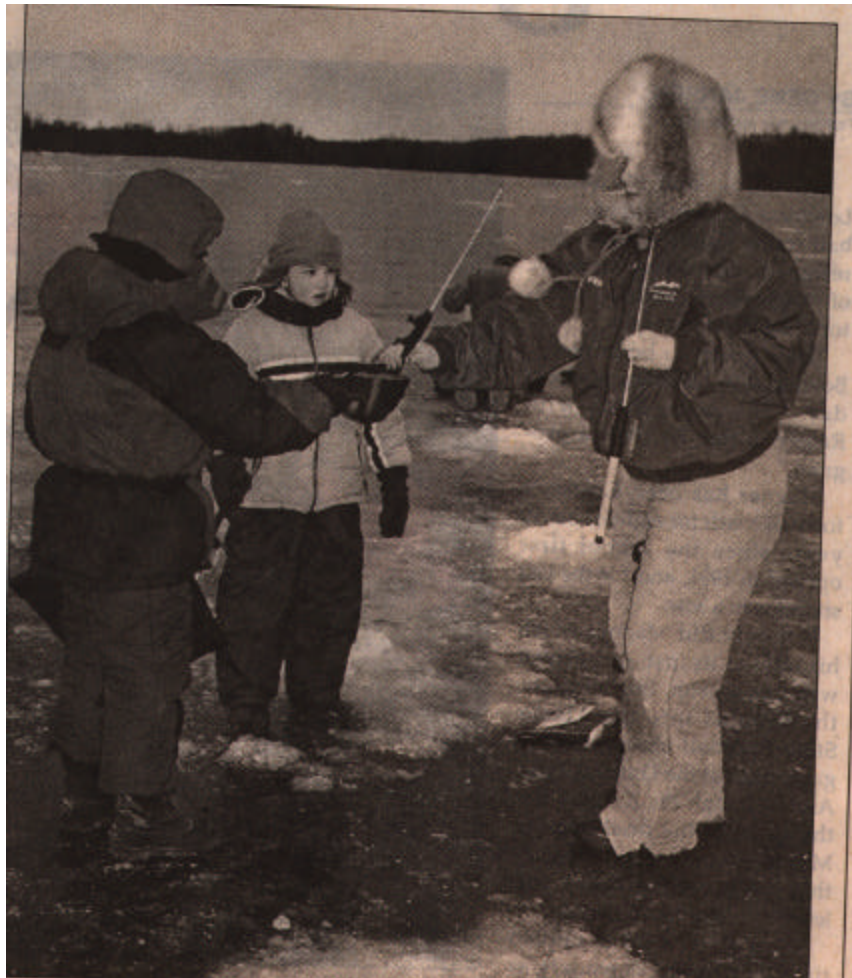
Dora Inuuraq of Barrow helped her grandson, Finger Lake Elementary student Kevin Daniels, bait his hook and catch another fish. Inuuraq said she was thrilled that she could be out on the ice fishing with her grandson.

"Especially since this is his first time," she said.

In addition to having a great time, the students were also contributing scientific data to Fish and Game. This fall the department stocked the lake with 15,000 king salmon and 15,000 salmon hybrids, a mix of kings and pinks. The students were asked to identify which they had caught and report their numbers to Fish and Game staff.

But salmon wasn't all they reeled in. A few char, grayling and rainbow trout were also caught.

The students had the choice of either releasing the fish, which ranged in size from 8 to 12 inches, or keeping them. Many of the children toted home bags of fish. When asked what she planned on doing with them, Angie McCready said, "My mom wants to cook them for dinner."



Reprinted From Fairbanks Daily News Miner
January 5, 2001

A project to harvest and raise wild salmon eggs promises to teach Eielson sixth graders more than just the life cycle of silver salmon. It'll also show how state and federal agencies are working together to help protect Alaska's salmon population.

Twenty-three sixth graders in Doug Herron's class at Crawford Elementary School and twenty-three first graders in Ben Bragonier's class from Anderson Elementary school traveled to Clearwater Creek near Delta Junction in early October to help biologists with the Alaska Department of Fish and Game harvest and fertilize thousands of salmon eggs.

Herron's class helped man booths during the event, which drew about fifteen schools from throughout the Interior. "We explained about the salmon's life cycle and its various stages," said Lindsey Blowers, 11. Biologists told the students about the natural egg-fertilization process and demonstrated artificial methods.

Students also learned about the salmon's anatomy, physiology, food sources, and life cycle. The biologists explained how the tiny eggs mature into fry and begin feeding on their parents' decomposed flesh and other forage, such as algae and small vegetation. Biologists also told students how only about one percent of each hatch reaches the ocean.





Reprinted From KTUU.com
January 8, 2001



Lakes stocked for ice fishing

Anchorage, Jan. 7-The Alaska Department of Fish and Game stocks 180 Southcentral lakes with a combination of arctic grayling, arctic char, lake and rainbow trout, and king salmon. Nine of those lakes were filled this year with an experimental breed of fish, a pink and chinook salmon hybrid, and you don't have to wait until summer to catch them. Drill a hole in the ice and these fish will bite.

Since October, Fish and Game has unloaded 12,000 trout and salmon into Jewel Lake alone. Catching them doesn't take fancy gear or a lot of skill.

"They just jump right out of the hole," said Lisa Olson of Fish and Game.

Ice fishing is a secret Fish and Game wants to see get out. It's as easy as picking spot and cutting a hole.

"You can also use a hand auger, which are relatively inexpensive, and those are a crank auger that you use and it slowly drills down through the ice," said Fritz Kraus Fish and Game biologist.

Or take the same idea and add a little gas for more power.

Fritz says 4 inches of ice is considered safe.

"We're measuring about 16 inches of ice right here," he said, standing on Jewel Lake.

A slotted scooper helps clean out the ice and clear the hole.



Reprinted From *Valley Life*
January 26, 2001



Craig Baer, an Alaska Department of Fish and Game expert, demonstrates to Meadow Lakes Elementary third-grader Abby Fait how to finish her fly with a series of half-hitch knots.

MEADOW LAKES - Students from around the Matanuska-Susitna Borough School District are getting hands-on training in fly fishing this week and next week, thanks to the Alaska Department of Fish and Game's year-long salmon program.

Throughout the year, students in selected classrooms are raising salmon, from the egg phase all the way to the fry phase, and then releasing them in Matanuska Lake this spring.

The students learn how to tie flies that resemble each stage in the salmon's development through the program.

"I liked the alevin [a stage in a salmon's life] the best because we used shiny stuff on it," said Marcus Ralph, a third-grader in Linda Reger's Meadow Lakes Elementary class. "I liked it because it had eyes, too."

The students tied four patterns -an egg, an eyed egg, alevin and fry. The alevin and fry patterns included a set of eyes, made of two links from bead chain. Craig Baer and Fritz Kraus from the Alaska Department of Fish and Game were on hand to teach and help the students, as were members of the Alaska Fly Fishers, a large organization that offers similar free clinics to children twice a month in Anchorage.

"I think this is a great, wonderful program for the kids," said Larry Willis, a member of the Alaska Fly Fishers who helped during the afternoon. "They really get into learning about tying flies. It's rewarding for them because they do it themselves, and they have something to show for it. I'm amazed because they are turning out a decent product after a few hours of doing it."

Willis said the program is not so much about the future of the sport of fly fishing, but about education.

"You can't go out to a stream and see all four stages of a salmon's life, so this is a good way to teach the students in a fun way for them," Willis said. "I look at it as helping increase interest in a fantastic recreational resource in Alaska."

Reger said her students, along with students from Bettina Williams' class at Meadow Lakes, have been interested in the salmon project since the very beginning. They had to collect the eggs and fertilize them in the fall, and every day they have to monitor things such as the appearance of the eggs and the water temperature.

"The kids are very interested in every phase of this project," Reger said. "They get a thrill out of growing a live fish in our classroom. Right now, our eggs are eyed and are almost ready to start turning into alevin. The kids check it every day to see if they are alevin yet."

The program is being conducted district-wide, as well as in Anchorage. Baer and Kraus have been involved with every aspect of the program, from egg capture to setting up the aquariums.

In the spring, they will host a Coho Carnival, where the students from the participating classrooms will come and release their fry into Matanuska Lake.

"The kids just love it," Kraus said. "I like seeing them get excited about something like this."

The kids aren't the only participants who enjoy the program, either. The teachers are just as enthusiastic.

"They are learning a lot about biology, ecology and the environment through the program, and they are learning their responsibilities as citizens," Reger said. "They are learning they have to take care of the environment, and what role a good citizen can play."

"The whole salmon curriculum has been fun for us," Reger added.

Kraus and Baer have already taught fly-tying classes at Goose Bay, Snowshoe, Finger Lake, Meadow Lakes, Butte, Tanaina and Willow elementary schools this week.

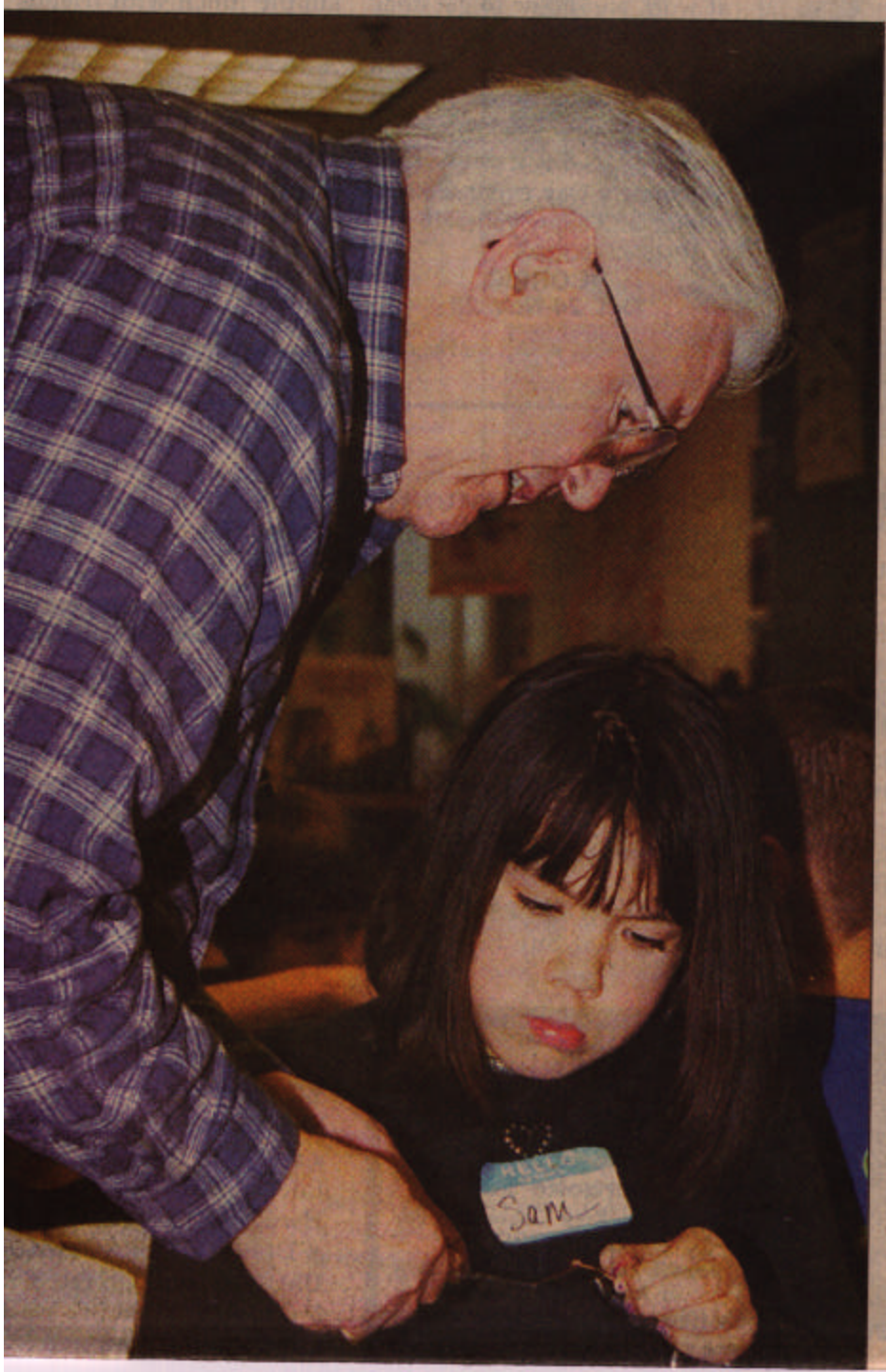
Next week, they are teaching similar classes to Sherrod students, meaning they will have taught eight schools in five days. That doesn't include classes in Anchorage, which Kraus and Baer also cover.

Last year at the Coho Carnival, more than 1,000 students released their fry and learned about other environmental issues at Matanuska Lake.

A similar program took place in Anchorage as well.



Alaska Department of Fish and Game's Fritz Kraus demonstrates how to tie an egg pattern. He tied the fly, and a small camera relayed the image onto the television screen so the students could see it.



Alaska Fly Fishers volunteer Larry Willis helps Meadow Lakes Elementary third-grader Sam Schurosky start the thread on her fly. The Alaska Fly Fishers had two volunteers at the event to help the Alaska Department of Fish and Game workers.

Reprinted From Anchorage Daily News
January 21, 2001

Fish and Game brings fly-tying to children

The Alaska Department of Fish and Game is coordinating a winter long program of fly-tying in local schools. Classes started last week at the King Career Center in Anchorage and continue through the end of the month at the Klatt, Kasuun, Mountain View, Eagle River, Bear Valley, Polaris, Susitna, Aurora, Gladys-Wood, Rabbit Creek, Fairview, Orion, Creekside, Scenic Park, Huffman, Trailside, Inlet View, Rogers Park, Goose Bay, Snowshoe, Finger Lake, Meadow Lakes, Butte, Tanaina, Willow and Sherrod elementary schools in Anchorage and the Susitna Valley, as well as at the Sherrod Alternative School in the Valley and the SAVE High School in Anchorage. Anyone interested in bringing fly-tying lessons to other students should contact Fritz Kraus of Fish and Game at 267-2265.

Reprinted From Anchorage Daily News
March 12, 2001

FISH AND GAME: Cheryl Hilmes, a first and second-grade teacher, writes "The staff and students of Chinook Elementary's Open Optional Program thank Fritz Kraus of the Alaska Department of Fish and Game for once again leading us to a first-place award for our float during the Fur Rondy Parade. Fritz gave countless hours of volunteer time along with our awesome parent helpers: Mr. and Mrs. Madsen, Mr. and Mrs. Sandberg, Mr. Serafine, Ms. Laws, Mr. and Mrs. Hall, Mr. and Mrs. Holland, Mr. Kovach, Mr. Petersen, Mr. and Mrs. Neyman and Ms. Trombley. We'd also like to thank the All Saints Episcopal Church for providing us with a place to warm up."

Reprinted From Peninsula Clarion
March 14, 2001



By SHANA LOSHBAUGH

Peninsula Clarion

Reading, writing and arithmetic are essential to schooling, but if kids are growing up on the central Kenai Peninsula, their education cannot be called complete if they don't know their salmon.

Area elementary schools have teamed up with the Alaska Department of Fish and Game's Aquatic Education Program to make sure young people and young salmon get acquainted.

The program has been going on for years, with seven peninsula schools now rearing juvenile salmon in aquariums.

But Friday a new aspect of the program debuted on the peninsula: fly tying.

Some schools have done fly tying on their own in individual classes or after school clubs, such as one now active at Nikiski Elementary. But this is the first time Fish and Game, which has a popular program making lures in other parts of the state, has gotten involved.

"The fly-tying thing is brand new down here," said Fritz Kraus. "This is the first ever that we've done on the peninsula."

Kraus, a Fish and Game fisheries biologist, specializes in education outreach to students in kindergarten through 12th grade. Friday he mesmerized a swarm of third-graders at Mountain View Elementary School in Kenai with a hands-on lesson in preparing lures.

Introducing pointy fish hooks into a room full of wriggling 8 and 9-year-olds might seem like a risky situation, but the students were fascinated and well-behaved.

About a dozen adults assisted, including parents, school staff and additional volunteers from the Kenai River Sportsfishing Association Inc.

"I think there was only one girl who got a Band-aid. They were focused," said Dave Knudsen, the third-grade teacher who organized Kraus' visit.

The students had to pay attention because of the fine motor skills involved, Knudsen said.

Knudsen's students joined Bill Vedder's class for the program.

Kraus brought a complete set of equipment and supplies, including clamps, hooks, thread and salmon colored yarn. He set up a closed circuit television at the front of the class so the children could watch an enlarged version of his manipulations of the tiny pieces.

The children began with a lure shaped like a salmon egg, then progressed to ones mimicking later stages of juveniles. They made an egg, an eyed egg, an alevin and a sockeye fry.

The intent was to tie the fly tying in with their aquarium studies, Kraus said.

Knudsen began making arrangements last spring. He contacted Kraus and got on the list to receive a fish tank and eggs.

The schools received silver See SALMON, page B-4

Reprinted From Anchorage Daily News
Sportsman's Show Supplement

April Sportsman's Show

The Alaska Sportfishing Association will once again offer kids 12 and under a chance to catch live trout at this year's Sportsman Show.

The association will operate the trout pond in Ben Boeke Arena throughout the show. It's a great way to introduce youngsters 12 and under to the joy of fishing. Children must be accompanied by an adult.

Like many events at the Great Alaska Sportsman Show, the trout pond is a joint effort involving a sportsman group, professional experts and dedicated volunteers. The trout pond is set up by the Sportfishing Association, stocked with fish and overseen by the Alaska Department of Fish and Game, and staffed by student volunteers from the King Career Center natural resources class.

The pond will be stocked daily with rainbow trout from the state's Fort Richardson and Elmendorf Hatcheries. New fish will be added occasionally during the day to keep the action as hot as possible. At the end of each day, trout not caught by young anglers will be released in Jewel Lake and the pond restocked from the hatcheries the next day. Youngsters can keep the fish they catch. Unwanted fish will be cleaned by King Career Center students and donated to Beans Café.

Fritz Kraus, an ADF&G fisheries biologist, trains the King Career Center volunteers and oversees the stocking fish handling, life support and associated activities. Mike Woods of the King Career Center supplies and helps prepare the students to work with the young anglers. Darrell Keifer and Jeff Milton, the hatchery managers, supply the fish for the trout pond. Among other things, the King Career Center students will staff hands on salmon related activity booths to keep the youngsters busy while waiting their turn to fish. Even the Anchorage Fire Department gets involved by supplying a tank truck to haul dechlorinated water for the fish from the Fort Richardson Hatchery.

And this year local celebrities and community leaders will be volunteering to help at the pond when the kids are fishing. They will be talking to the youngsters about fishing and making sure parents don't fish for their kids.

Phil Cutler, president of the Alaska Sportfishing Association said two trout pond faithful will be back again this year. Magician Don Russell will entertain kids while they wait and photographer Doug Ogden of Autographs Photography will take pictures of the youngsters fishing and either with their trout catch or stuffed lunkers he will have available. The photos will be for sale but everything else is free. Youngsters whose catch is their first will receive a laminated card from the Alaska Department of Fish and Game.

Reprinted From Peninsula Clarion
May 7, 2001

Salmon celebrations slated

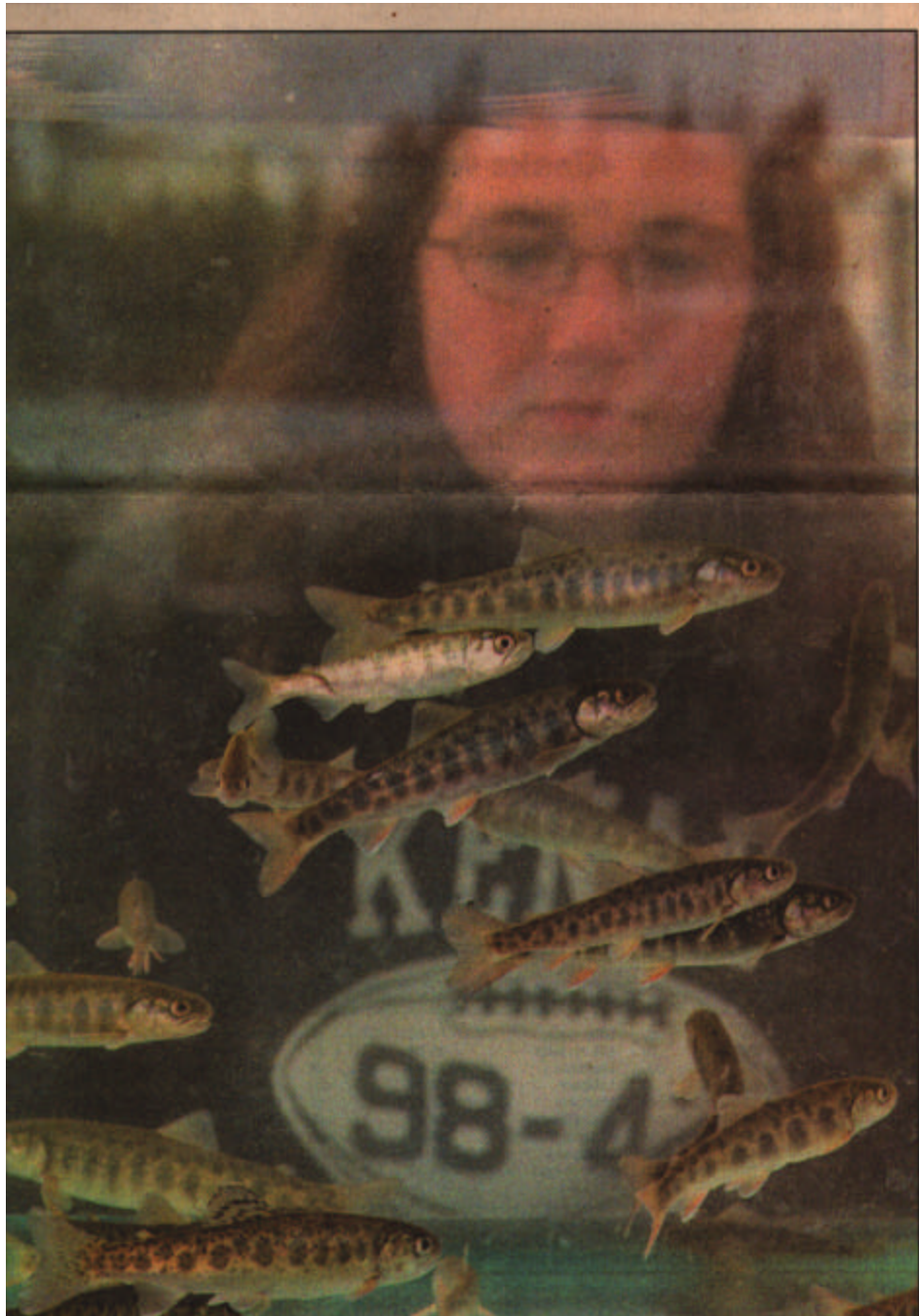
The Alaska Department of Fish and Game's STREAM program will hold its annual Salmon Celebration series Tuesday at Johnson Lake in Kasilof. The celebrations are held to increase school children's awareness of salmon and to foster a sense of stewardship toward the natural resource.

Children will release coho salmon fry they raised in the classroom from eggs or will release catchable rainbow trout or coho salmon smolt. More than 600 children will start the celebration at 10 a.m. and go through 2 p.m. Other celebrations will be held throughout Alaska this week. For more information, call (907) 267-2265.

Reprinted From Anchorage Daily News
May 7, 2001

KID'S FISHING POND: The Alaska Department of Fish and Game would like to thank the following individuals and businesses for their support of this year's Kid's Fishing Pond at the Great Alaska Sportsman Show: Marcus and April (KYM Magic 98.9); Bob Lester (KBFX 100.5 The Fox); "Sourdough" Mike McDonald (Fly By Night Club); Chief Dennis Hoke and Station 1 Firefighters, Anchorage Fire Department; Fish and Wildlife Protection officer Sgt. Tory Oleck; UAA hockey team members Morgan Roach, Gregg Zaporzan, Mark Leitner and Chris Sikich; Cary Carrigan (KOOL 97.3); Kiddie Fox (KTBY FOX 4 Kids Club); Iditarod champion Martin Buser; Tracy Davis, Mary Pae, Lauren Maxwell, Sam Adams and Tom McPhail (KTVA Channel 11); Steve MacDonald (KTUU Channel 2); Fritz "Fishman" Kraus (ADF&G); Mike Woods, Adam Reid and Brian DeMarcus (King Career Center); Alaska Sportfish Association; King Career Center natural resources class; magician Don Russell; ADF&G Elmendorf AFB and Fort Richardson Hatcheries; Bill's Distributing; Larry Hatswell, 3M Corp.; Rick Collins, Corporate Express; Kenai Youth Restoration Corps; FOX 4 Kids Club; Sam's Club; Autographs Photography; All Seasons.

Reprinted From Anchorage Daily News
May 9, 2001



Reprinted From Anchorage Daily News
May 16, 2001



Reprinted From Valley Life
May 18, 2001



et to touch aquatic bugs, which draw nearly as much



Valley Life 5/18/01

The fish are jumping in one local lake, thanks to the work of nearly 1,000 Mat-Su Valley students.

For the second year in a row, the state Department of Fish and Game hosted the Coho Carnival at Matanuska Lake Tuesday morning.

The carnival gave students a chance to release fish into the lake as part of the ADF&G stocking program, as well as release fish that were incubated throughout the school year in several classrooms.

With squeals and screams, the elementary-aged students each got a fish in a bucket, and then released it into Matanuska Lake. With every flop of the tail, louder and louder screams could be heard. "It is so slimy. It is gross, really. I don't know why my dad fishes, because that means you have to touch them," said Mariah Carries, a 7-year-old. In addition to releasing the fish into Matanuska Lake, students also got to learn how to cast fly rods and casting rods. Displays were set up for fly-tying, fish puzzles and boating safety, among others. Students also got to make buttons and learn about the environment. The table with the biggest crowd, however, also had the "ickiest" and "grossest" subject matter, according to most of the students. Live bugs were a hit among the kids. They evoked nearly as many screams as the flopping fish did. And while the kids screamed, the organizers smiled.

The bugs are real popular. The look on those kids' faces when they touch leeches and bugs is just great," said Fritz Krauss of ADF&G. "They get into it because it is all hands-on." Krauss and ADF&G's Craig Baer conduct five Coho Carnival programs each year in Southcentral Alaska. The Matanuska Lake event is one of the biggest, rivaled only by two events in Anchorage.

Other areas hosting a Coho Carnival include Kodiak and Kenai.

"It's pretty popular everywhere," Baer said.

Students from Wasilla High School manned the displays and provided much of the work needed to put on such a huge event.



Courtnee Trousis of Academy Charter School gets splashed by a fish before she released it into Matanuska Lake Tuesday afternoon.



it into Matanuska
Lake. With
every flop
of the
fish's

Reprinted From Kodiak Daily Mirror
May 23, 2001



COHO GAME OF LIFE – Raphael Matautia tries his luck as a Coho smolt by spinning the wheel to determine his fate; only one in 100 survive to adulthood.

Daily Mirror 5/23/01

Students scrutinize salmonids

By ANDREA DEVEAU

Special to the Mirror

The third annual "Salmon Celebration" was held at North Star Elementary Tuesday.

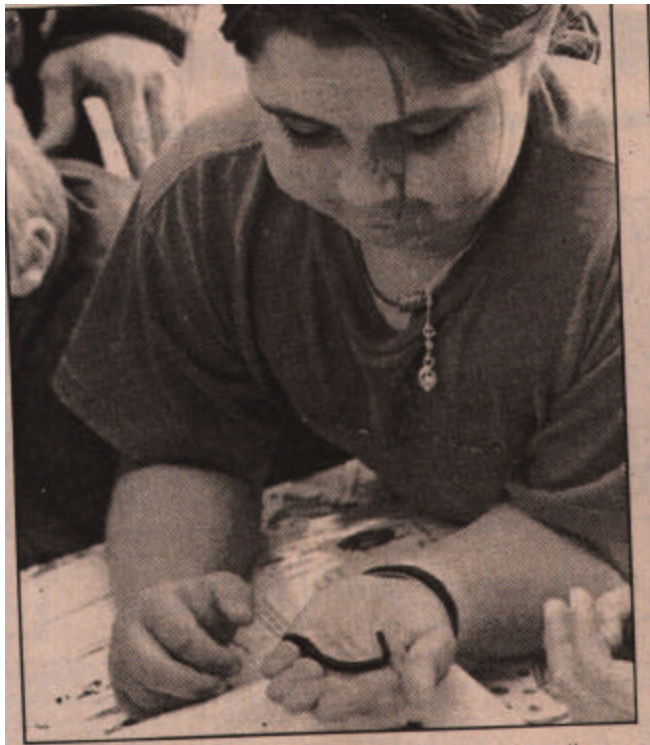
Referred to as the "Coho Carnival," students from local schools released their own coho salmon fry, raised from eggs in their classrooms and at the Pillar Creek Hatchery, into Island Lake.

The eggs had been collected from the Buskin River last November.

Along with the fry release there were booths set up around the school yard offering hands-on salmon-related activities such as fish anatomy puzzles, button making, fish scale reading and the "Wheel of Misfortune" showing the survival rates and hazards salmon endure.



WATER POLLUTANTS – North Star sixth-graders Rachael Spool, Diana Solenberger and Lisa Chang explained how a multitude of seemingly insignificant pollutants can add up to dirty drinking water, as a crowd of East Elementary students look on.



GETTING BUGGY – Joanna Hackett handles a large leech brought in by Fish and Game biologists for the Coho Carnival. The big bug below her hand is a dragonfly larva.



CATCH AND RELEASE – Pearson Brody releases his Coho fry while his father, Bob, looks on. Island Lake is stocked annually with Coho salmon fry from Kodiak school incubation projects and the Pillar Creek Hatchery.



BIG BUG – Betsy McCarty handles a large water beetle during North Star's Coho Carnival. The bug was brought for the carnival by state Fish and Game biologists from Mat-Su Valley.