

Cook Inlet Aquaculture Association



COOK INLET AQUACULTURE ASSOCIATION

40610 Kalifornsky Beach Road Kenai, Alaska 99611-6445

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Volume 20, Issue I

Smolts

<u>Ju</u>ne 2001

Points of Interest at CIAA

- Farewell to Thomas Walker—a person who helped shape the Association's mission.
- CIAA hires a harvest coordinator to manage the cost recovery program for all pro-
- Mark Thomas resigns from CIAA to become assistant manager at Cannery Creek Hatchery with PWSAC.
- Tutka Bay Hatchery has another successful year with their cost recover program.
- The Association submits a proposal to secure 15 million dollars to fund new and existing projects.

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Letter from the executive direc-

Biologist's Corner—A Perspective by Matt Cooper

CIAA Submits Proposal to the Board of Fisheries

Cook Inlet Aquaculture Association's 2000 Financial State-

CIAA Meets with Alaskan Delegation in Washington DC.

Changes in Store for Bear Lake

2001 Market Outlook for Cook Inlet Salmon

IHNV Decimates Stocks at Trail Lakes Hatchery

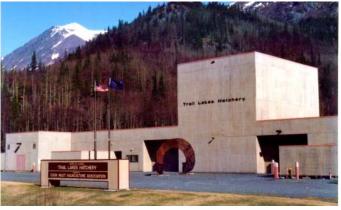
By Mark Matarrese—CIAA Staff

Three out of four sockeye stocks were virtually eliminated by the IHN outbreak at Trail Lakes. The IHN virus was first discovered in mid January in a Bear Lake incubator, which housed 374,000 eggs. The eggs were eradicated as soon as pathology diagnosed the disease.

"The most likely cause of the disease was vertical transmission from the broodstock" reported Matt Cooper the staff biologist.

In mid March, 650 thousand Bear Lake presmolt (the first fish to pond) were destroyed due to the spreading of the virus horizontally through the hatchery. spreading of the virus continued and infected all Tustumena fry raceways except one. Another 8 million fish had to be destroyed.

The virus continued



Trail Lakes Hatchery rests in a majestic surrounding. The hatchery is located just north of Moose Pass, Alaska on the Seward Highway.

to spread, and infected the remaining 2.3 million Bear Lake fry. One indoor raceway escaped the virus allowing for the survival of 144 thousand fry.

As of early June, there has been only 7.9% survival from egg to released fry. 62% of the mortality can be directly linked to the IHN virus. The other 30% loss is due to a combination of pre-pick loss, fungus contamination, and other miscellaneous occurrences.

Pathology informed the hatchery that there was an unacceptable level of gas bubble disease in all samples that were tested for the IHN virus.

See Page 7 - Trail Lakes

Wind Storm Catches Tutka **Bay Hatchery by Surprise**

A violent windstorm halted egg take activities when it blew into Tutka Bay on August 15th, 2000 causing extensive damage to the egg take float and shelter.

Three anchor chains which hold the flotation system in the lagoon broke loose, and winds in excess of 80 knots dragged the entire float pen system about 60 yards from its original position. Several spruce trees where uprooted in the general proximity of the hatchery. The six-inch fresh water line, which supplies all fresh water to the net pen system, also broke loose.

Egg take activities

had to be suspended for two days while the hatchery staff made speedy repairs and temporary replacements. On August 17th, the egg take resumed and was completed without further incident by August 28th with a total of 122,314,000 eggs taken.

Tutka Bay Hatchery Manager, George Bowden. reports that hatchery staff continues to work on systems and equipment to improve

See Page 7, Tutka Bay

Letter From The Executive Director

Currently,

CIAA provides

eight to fifteen

percent of the

fish harvested

by the fishing

community in

Cook Inlet

waters.

By Gary Frandrei / Executive Director—CIAA



Photo by Staff / CIAA

During the second half of the last decade, salmon prices began a downward trend reducing revenue available to the individuals and businesses that rely on salmon for income. Recently, not only has the price of salmon continued its downtrend, but the return of salmon stocks to Cook Inlet has

also weakened, particularly sockeye in 1998 and 2000, and

coho salmon in 1999. As a result the Kenai Peninsula Borough and the Federal government have declared the Cook Inlet fishing community and the businesses supported by this community. an economic disaster.

The Cook Inlet fishing community is faced with an uncertain future.

As the price of salmon continues to decline and salmon returns continue to be low.

next generation of salmon. With

decreasing revenue challenges the Association's mission of

maximizing the value of Cook Inlet salmon stocks for all user groups at a time when the Association should provide the greatest assistance to those that rely on this resource.

While the economic disaster declarations provide for immediate economic relief, CIAA has developed a plan

to provide additional long-term support to the Cook Inlet fishing community. Currently, CIAA provides eight to fifteen percent of the fish harvested by the fishing community in Cook Inlet waters. The first element of CIAA's plan allows the Association to continue to provide these fish. The second through the fifth elements of the plan develops and implements a number of additional projects throughout the Cook Inlet drainage. The sixth element focuses on education to help everyone understand the value of salmon to the Cook Inlet area.

Over the next several months we will try to secure the funds necessary to implement our plan for long-term assistance. I believe this is a good plan and look forward to your support as we work to

Biologist's Corner

By Matt Cooper Biologist—CIAA

A year has nearly passed since I assumed the biologist's role at the Association. I can say without hesitation that I have learned a tremendous amount and realize that I still have much yet to learn. It has been a year of excitement and challenge nearly always filled with accomplishment and reward. Arriving in March I was placed full time into assisting with the development of our cost recovery programs and the marketing process. Quickly, my focus switched to hiring field crews and setting up camps to monitor the out migrating smolts, the returning adults and

the arrival of fall, we began the task of taking down and putting away equipment and making the necessary repairs to ready it for the coming season. Throughout the winter I assembled data, put together project reports and secured permits. Intermixed amongst all of the seasons was a multitude of miscellaneous activities that has created a dynamic work environment, which has at times been overwhelming but never dull. Ten months ago I worked through each project to learn as much as possible and complete the job at hand. Now I approach each project with the question in mind; "What can we do to improve?" I feel this philosophy will better serve not only the Association but also the Cook Inlet fishery.

assisting to secure eggs for the Cook Inlet Aquaculture Staff CIAR Kenai Office <u>Tutka Bay Hatchery</u> Garv Fandrei Executive Director George Bowden Hatchery Manager Mathew Cooper Kadeon Waite Biologist Assistant Manager Judy Miller Admin. Assistant <u> Trail Lakes Hatchery</u> Project Technician Randy Colvin James Hetrick Hatchery Manager Mark Matarrese Special Projects Mgn Robert Blankenship Assistant Manager Thomas Prochazka Assistant Manager

Board of Directors BOARD OF DIRECTORS OF COOK INLET AQUACULTURE ASSOCIATION A Board of Directors that meets monthly controls the affairs of the association. All of the twenty-eight seats on the Board are currently filled. None of the Directors receives any compensation, per diem, or expense reimbursements from the Association for serving on the board. The Directors commitment and time to the Association's mission must not go unnoticed. Commercial Fishermen of Cook's Inlet JULIE MARCINKOWSKI LEON MARCINKOWSKI Cook Inlet Fishermer s Fund: DOLIGLAS E BLOSSON DAVID MARTIN Daniel Leman Cook Inlet Sein CHARLES WALKDEN NATHAN WISE Leonard Miller DIRECTORS: BUDDY HARRIS Steven Perrizo DAVE JEWELL DREW SPARLIN, SR Dennis Crandal DYER VAN DEVERE ROBERT MERCHANT Kenai Peninsula Fish nen's Association: HOWARD DAVIS Rory Rorrison BRENT JOHNSON DIRECTORS MARK MAHAN Dan Winn JESSIE NELSON Northern District Set tters of Cook Inlet: DIRECTORS Stephen Braund JOHN LIGHT KEVIN BARKSDALE Les Hogan United Cook Inlet Drift rs Association Leonard Efta DIRECTORS JOHN EFTA FRANCIS DEROSSITT Ron Rust City of Homer: AL RAY CARROLL DIRECTOR: None City of Kachemak PAUL JONES City of Seward: DIRECTOR: JOHN FRENCH Cook Inlet Rec PAUL SHADURA Kenai Peninsula CHRISTOPHER MOSS DIRECTOR rough: DIRECTOR BRUCE KNOWLES Municipality of A DIRECTOR PATRICIA ABNEY Ninilchik Village Council DIRECTOR STEPHEN VANEK None TIMOTHY SCHMIDT DIRECTOR: Bryan Bennett

CIAA Submits Proposal to the Board of Fisheries

The Cook Inlet Aquaculture Association has submitted a proposal to the Alaska Board of Fisheries for consideration in November. The Board is not being asked to resolve an existing conflict, but is being asked to address a potential problem before it occurs.

CIAA wishes to improve the existing Grouse Lake cost recovery project by merging it with the Bear Lake sockeye project. To do this CIAA proposes to increase the early-run adult sockeye return in Resurrection Bay through presmolt and smolt releases. To avoid conflicts with the harvest of fish returning from the combined project, CIAA requests

Project Summaries at a Glance

The 2000 salmon year bared many highlights, unfortunately, revenue generated by the cost recovery and enhancement tax are not encouraging. With the extremely week run that Cook Inlet experienced, coupled with a market price falling way below one dollar per pound, the enhancement tax took an unusually large hit. The estimated enhancement tax of just over 189 thousand is the lowest amount ever received by the Association in its twenty two years of existence. This past year has placed many challenges on the Association, which we must contend with, and we intend to meet these challenges for the benefit of the resource.

On the brighter side, all egg take goals were met. The fry release program fell shy of projections, but still contributed to the growth of the resource. Tutka Bay pink fry release was a bit narrower than excepted, but the hatchery manager George Bowden, said the fry were "unusually large", and he is expecting a good survival rate and a healthy return in 2001

The Hidden Lake project, although not a contributing factor to the cost recovery program, continues to be a success story. The escapement goal was again surpassed, but the refuge continues to deny harvesting of the excess fish for cost recovery. This project added an additional 40 thousand fish to the harvesters of the Kenai River system.

The Lower Cook Inlet Lakes project, which is a terminal fishery, continues to meet the cost recovery goals, with excess fish allowing for a small but healthy addition to the common property fishery. This year there were 90 thousand fish harvested by the lower inlet Seiners.

All businesses experience bad years, and this just happens to be another year of lowered revenues, but stronger project numbers look encouraging for future growth of stocks in the Cook Inlet drainage.

the Board establish a saltwater special harvest area in Resurrection Bay and a management plan that 1) allows CIAA to harvest fish from the presmolt and smolt releases for cost recovery; and, 2) allows the commercial seine fleet to harvest adult sockeye from the current Bear Lake salmon enhancement project.

The current Bear Lake enhancement project involves the release of early-run sockeye and late-run coho fry to the lake and the release of coho smolt to Bear Creek. Lake rearing conditions are enhanced through nutrient enrichment. Returning adult sockeye are harvested in the commercial fishery and returning adult coho are harvested in the

Resurrection Bay sports fishery.

Sockeye salmon smolts have been stocked into Grouse Lake and imprinted to the Grouse Lake/Salmon Creek system since 1994. Late-run sockeye salmon returning to Grouse Lake are available to recreational fishermen as they pass through Resurrection Bay, but are not harvested in any Resurrection Bay commercial fishery.

CIAA harvest activity is restricted to the freshwaters of Salmon Creek and Grouse Creek. Fish harvested in the freshwater system have been of very low grade and over 37% of the returning fish have been rejected for sale. Since 1996, CIAA has grossed

See page 6 - Board of Fish

		CIAA	Project S	ummaries	- 2000			
Site		Total Run	Total Eggs Taken	Eggs Surv. to Eyed	Fry Released	Harvested Fish	Pounds Harvested	Total Revenue
Resurrection Bay				-		1 1011	Tam resteu	
Bear Lake (Early Run)		32,498	5,093,000	4,402,000	1,796,000	1,695	8,626	\$8,101.92
	Sub Total	32,498	5,093,000	4,402,000	1,796,000	1,695	8,626	\$8,101.92
Bear Lake (Late Run) Lost Creek Weir			0	0	0	3,318	14,524 74,965	\$7,572.25 \$32,401.55
Resurrection Bay - Seine			0	0	0	16,558 13,998	68,906	\$56,985.19
Salmon Creek - Seine		. ↓	0	0	0	9,076	45,842	\$24,130.5
Saminon Creek Seine	Sub Total	45,350	0	0	ø	42,950	204,237	\$121,089.54
Bear Lake Coho		9,822	972,000	786,000	316,000	6,091	45,865	\$0.0
	Sub Total	9,822	972,000	786,000	316,000	6,091	45,865	\$0.00
ower Cook Inlet	Totals	87,670	6,065,000	5,188,000	2,112,000	50,736	258,728	\$129,191.4
Lower Inlet Lakes China Poot		102,906	0	0	2,956,000	17,630	81,360	\$61,020.0
Lower Inlet Lakes Kirshner		31,627	0	0	249,000	20,461	89,996	\$45,147.62
	Totals	134,533	0	0	3,205,000	38,091	171,356	\$106,167.62
Middle Cook Inlet	20013		v	v	-,,	20,071	,0	
Hidden Lake		95,517	1,486,000	1,189,000	1,242,000	770	3,672	\$2,534.60
Packers Lake		56,142	0	0	0	6,691	28,184	\$6,913.9
Bear Creek - Tustamena Lake		577,071	11,810,000	10,216,000	543,200			
	Totals	728,730	13,296,000	11,405,000	1,785,200	7,461	31,856	\$9,448.51
Upper Cook Inlet								
Meadow Creek - Big Lake		46,683	3,638,000	2,846,000	846,000	0	0	\$0.00
Eklutna		0	0	0	0	2,623	10,503	\$7,508.85
	Totals	46,683	3,638,000	2,846,000	846,000	2,623	10,503	\$7,508.85
Tutka Bay Hatchery		1,253,303	131,541,000	106,117,000	65,121,000	1,046,597	2,407,168	\$336,451.29
Tutka Hatchery - Pinks Tutka Hatchery - Reds		2,757	151,541,000	100,117,000	05,121,000	916	4,785	\$4,306.50
Tutka Hatchery - Regs		2,737 N/A	N/A	N/A	N/A	910	4,765	\$832.00
,	Totals	1,256,060	131,541,000	106,117,000	65,121,000	1,047,513	2,411,953	\$341,589.79
						Enhancemen Uper Cook Lower Cook	Inlet	\$164,929.00 \$24,198.00 \$189,127.0
			Enhancement	t Tax+Cost Re	covery Total	1,146,424	2,884,396	\$783,033.2
				Total (Less	Tutka Bay)	98,911	472,443	\$441,443.44
Notes: 1.) 1,671 fish for a total of 8,144 2.) 220 fish for a total of 1004 p 3.) Revenue generated from the 4.) Dollar amounts are prelimina ADF&G "ex-vessel values for	ounds were dor immature eggs ary at this time.	nated to the Ko during the egg Values were	enai Peninsula g take. determined fro	Food Bank. m the total ex-v				
Cost Recover	y Revenue	Centers			Enhancen	nent Tax Dis 2000	pursemen	ts
Lower Inlet Lakes 18%	Middle Inlet	Upper inlet 1%					□ Up	per Cook Inlet 87%
Resurrection Bay		■Tutka Bay 57%					•••	ower Cook Inlet 13%

Cook Inlet Aquaculture Association's

LAMBE, TUTER, WAGNER & MORE

CERTIFIED PUBLIC ACCOUNTANTS 189 S. BINKLEY, SUITE 201 SOLDOTNA, ALASKA 99669 (907) 262-9123 INDEPENDENT AUDITOR'S REPORT

Board of Directors Cook Inlet Aquaculture Association, Inc. Kenai, Alaska

We have audited the accompanying statements of financial position of Cook Inlet Aquaculture Association, Inc. (a nonprofit corporation) as of June 30, 2000 and 1999, and the related statements of activities, statements of functional expenses, and statements of cash flows for the years then ended. These financial statements are the responsibility of the Association's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Cook Inlet Aquaculture Association, Inc. as of June 30, 2000 and 1999, and the results of its operations and cash flows for the years then ended in conformity with generally accepted accounting principles.

August 31, 2000

Jambe, Tuter, Utymer & Marie

2000

1999

COOK INLET AQUACULTURE ASSOCIATION, INC.						
STATEMENT	FOF ACTIVITIES June 30, 2000 com previous page)					
NET ASSETS RELEASED FROM	Unrestricted	Temporarily Restricted	Total			
NET ASSETS MELEASED FROM RESTRICTIONS Satisfaction of program Restrictions Total revenue and other support	192,701 1,023,531	(192,701)	1,023,531			
PROJECT EXPENSES Tutka Hatchery operations Trail Lakes Hatchery Eklutna Hatchery Special projects	415,139 474,011 115,634 213,844 1,218,628	<u>:</u>	415,139 474,011 115,634 213,844 1,218,628			
GENERAL AND ADMINISTRATIVE EXPENSES Total expenses	349,993 1,568,621	===	349,993 1,568,621			
CHANGE IN NET ASSETS	(545,090)	-	(545,090)			
NET ASSETS AT JUNE 30, 1999	860.523		860.523			
NET ASSETS AT JUNE 30, 2000	\$ 315,433	<u>s - </u>	8 315,433			
COOK INLET AQUACU						
	FOF ACTIVITIES I June 30, 1999					
Year ended		Temporarily Restricted	Total			
	d June 30, 1999	Temporarily	Total \$ 680,278 712,328			
Year ended Year ended REVENUES AND OTHER SUPPORT Enhancement tax proceeds Terminal fish revenue Onthereset	Unrestricted \$ 712,328 52,074	Temporarily Restricted	\$ 680,278 712,328 15,000 52,074			
Year ended Year ended REVENUES AND OTHER SUPPORT Enhancement tax proceeds Towninal fish revenue	Unrestricted \$ 712,328	Temporarily Restricted \$ 680,278	\$ 680,278 712,328 15,000			
Year ended REVENUES AND OTHER SUPPORT BARNESS OF TERRIBAL SUPPORT Grants INTERIOR FEVENUE GRANTS OTHER STATES AND OTHER SUPPORT TERRIBAL SUPPORT OTHER THE ASSET SELENSED PRON	Unrestricted \$ 712,328 52,074 8,398	Temporarily Restricted \$ 680,278	\$ 680,278 712,328 15,000 52,074 8,398			
Year ended REVENUES AND OTHER SUPPORT Enhancement tax proceeds Terminal fish revenue Control of the second of	Unrestricted \$ 712,328 52,074 8,398	Temporarily Restricted \$ 680,278	\$ 680,278 712,328 15,000 52,074 8,398			
ARVENUES AND OTHER SUPPORT Enhancement tax proceeds Transis Interest Interest Other SHIT ANSETS RELEASED FROM RETAINCTION Entisted Total revenue and other Support	######################################	Temporarily Restricted \$ 680,278 	\$ 680,278 712,328 15,000 52,074 8,398 1,468,078			
Year ended NEVENUES AND OTHER SUPPORT AND ADDRESS AND PROCEEDS Terminal fish revenue Grants Lichage Under HET ASSETS RELEASED FROM RETRICTIONS Satisfaction of program Restrictions Total revenue and other Support PROJECT EXPENSES	Unrestricted \$	Temporarily Restricted \$ 680,278	\$ 680,278 712,328 112,320 112,074 8,198 1,468,078			
ARVENUES AND OTHER SUPPORT Enhancement tax proceeds Transis Interest Interest Other SHIT ANSETS RELEASED FROM RETAINCTION Entisted Total revenue and other Support	# June 30, 1999 #################################	Temporarily Restricted \$ 680,278	\$ 680,278 712,328 15,000 52,074 8,198 1,468,078			
AMVENUES AND OTHER SUPPORT Enhancement tax proceeds Terminal fish revenue Therest Other SET AGSETS ENLEASED FROM REFITICITION STATISTICS TO Program Restrictions Total revenue and other Support PROJECT EXPENSES TULES REachery operations Tules Retchery Enhance There are the support PROJECT EXPENSES THE ARCHERY ENHANCE STATISTICS STATIST	Unrestricted 7.12,328 5.2,074 8.388 772,800 695,278 1,468,078 384,072 384,573	Temporarily Restricted \$ 680,278 15,000 695,278 (695,278)	\$ 680,278 711,320 15,0074 2,198 1,468,078 1,468,078			
Year ended **Revenues and other support **Enhancement tak proceeds **Terminal tak revenue **Terminal takes matchery **PROJECT MEMBERS **Terminal takes matchery **Enhancement	June 30, 1099 Unrestricted \$ 712,328 \$ 52,074	Temporarily Restricted 8 680,278 15,000 695,278 (695,278)	\$ 680,778 112,728 11,000 12,000 12,000 13,000 13,000 13,000 1,468,078 1,468,078 184,072 199,993 110,822 1,120,919 1,120,919 1,120,919 1,120,919			
ARVENUES AND OTHER SUPPORT Enhancement tax proceeds from tigh revenue crants Interest Other HET ANSETS RELEASED FROM RETTAINTIONS SALISACTION of program Restrictions Total revenue and other Support PROJECT HEYERIES Trail Lakes Satchery Enhancement ENHANCE SALISACTION TOTAL CHARGE TRAINTION THE CHARGE TRAINTION ENHANCE AND ANNISTRATIVE EXPENSES Total expenses	June 30, 1099 Intrastricted 9	Temporarily Restricted \$ 680,278 15,000	\$ 600,778 1712,728 1712,728 1712,778 1714,000 17			
ARVENUES AND OTHER SUPPORT REMANCEMENT LEAR PROCESS Terminal Lish revenue Interest Other HET AGSETS RELEASED FROM SERISTICTIONS SERISTICTIONS TOTAL revenue and other Support PROJECT MYPHESE TURES RECHESTY THE AGENCY AND PROFILE THE AGENCY AND PROJECT THE AGENCY AND PROJECT TOTAL SPREAD GENERAL AND ADMINISTRATIVE METHRESS TOTAL SPREAD CHARGE IN HET AGSETS	June 30, 1099 Unrestricted 71,328 52,074 77,180 77,180 384,072 384,072 384,072 310,922 1,10	Temporarily Restricted 8 680,278 15,000 695,278 (695,278)	\$ 68.278 712.728 11.000 11.000 2.128 1.466.078 1.466.078 384.072 385.232 21.222 1.120,319 431.426 (8).184			
ARVENUES AND OTHER SUPPORT Enhancement tax proceeds from tigh revenue crants Interest Other HET ANSETS RELEASED FROM RETTAINTIONS SALISACTION of program Restrictions Total revenue and other Support PROJECT HEYERIES Trail Lakes Satchery Enhancement ENHANCE SALISACTION TOTAL CHARGE TRAINTION THE CHARGE TRAINTION ENHANCE AND ANNISTRATIVE EXPENSES Total expenses	June 30, 1099 Intrastricted 9	Temporarily Restricted \$ 680,278 15,000	\$ (80,778 11,728 15,000 5,074 1,468,078 1,468,078 384,072 384,072 384,072 310,022 210,022 1,120,519 431,426 1,151,246			

(See notes to financial statement)

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COOK INLET ACUACULTURE ASSOCIATION, INC. STATEMENTS OF FINANCIAL POSITION June 30, 2000 and 1999

Cash Accounts receivable	\$ 621,827 90,089	\$ 858,671 42,634
Prepaid expenses	10,162	29,591
Total current assets	722,078	930,896
PROPERTY AND ECUIPMENT	3,478,419	3,441,779
Less accumulated depreciation	(1,961,115)	(1,836,674)
•	1,517,304	1,605,105
PERFORMANCE BONDS	1,000	1,000
	\$2,240,382	\$2,537,001
LIABILITIES AN	D NET ASSETS	
CURRENT LIABILITIES		
Accounts payable	\$ 32,250	\$ 56,215
Accrued personnel expenses	85,563	79,778
Deposits advanced		100,068
Total current liabilities	117,813	236,061
NOTES PAYABLE, less portion classified as current	1.807.136	1,440,417

COOK INLET ACLACULTURE ASSOCIATION, INC. STATEMENT OF ACTIMITIES Year ended June 30, 2000

REVENUES AND OTHER SUPPORT	Temporarily <u>Unrestricted</u>	Restricted	<u>Total</u>
Enhancement tax proceeds	\$ -	\$ 192,701	\$ 192,701
Terminal fish revenue	783,861	-	783,861
Interest	45,305	-	45,305
Other	1,664		1,664
	830,830	192,701	1,023,531

(continued)

COOK INLET AQUACULTURE ASSOCIATION, INC STATEMENT OF FUNCTIONAL EXPENSES Year ended June 30, 2000

	Tutka Hatchery Operations	Trail Lakes Hatchery Operations	Eklutna Hatchery Operations	Special Projects	General& Admini- strative Expenses	Total
Wages	\$144,839	\$135,526	\$ 9,480	\$ 89,903	\$186,755	\$ 566,503
Depreciation	6,434	10,564	88,476	-	18,967	124,441
Interest	-	116,718	-	-	2,621	119,339
Supplies	25,851	53,285	1,481	27,293	10,135	118,045
Utilities	27,651	72,413	3,143	1,889	4,477	109,573
Equipment.oper. & maintenance.		11,645	234	4,870	3,711	65,137
Employee benefits	11,877	22,525	-	-	30,190	64,592
Insurance, and workers comp.	20,408	11,183	7,800	-	23,263	62,654
Payroll taxes	13,570	12,703	1,013	9,851	18,458	55,595
Fish food	46,598	8,323	<u>-</u>	- <u>-</u> - · ·		54,921
Aircraft and boat charters	1,473		_	49,419	73	50,965
Fish harvesting	44,085	-	_	· <u>-</u> ·	_	44,085
Professional services	1,332	765	_	21,366	12.431	35,894
Postage and freight	12,991	5,968	_	868	2,549	22,376
Telephone	1,511	2,674	860	2,673	6,450	14,168
Rent	=""	<u>-</u>	2,290	5,679	6.572	14,541
Building and land maintenance	4,965	5,578	82	- <u>-</u>	2,129	12,754
Janitorial and snow plowing	-	2,871		_	5,303	8,174
Travel, lodging and meals	4,133	72	_	33	2,272	6,510
Safety program	1,926	665	575		1,583	4,749
Dues and publications		324		_	3,864	4,188
Printing and advertising	-		_	_	3,189	3,189
Bank service charges	106	109	_	_	2,286	2,501
Permits and fees	712	100	200	_	778	1,790
Meetings				_	1,734	1,734
Other					203	203
	\$415,139	\$474.011	\$115.634	\$213.844	\$349.993	\$1.568.621

COOK INLET AQUACULTURE ASSOCIATION, INC STATEMENT OF FUNCTIONAL EXPENSES Year ended June 30, 1999

						General&	
ř.		Tutka	Trail Lakes	Eklutna		Admini-	
		Hatchery	Hatchery	Hatchery	Special	strative	
		Operations	Operations	Operations	Projects	Expenses	Total
٠							
	Wages	\$128,369	\$130,217	\$ 21,719	\$ 82,000	\$191,172	\$ 553,477
	Depreciation	7,218	11,046	89,007	-	20,348	127,619
	Interest	-	31,219	-	-	70,508	101,727
	Supplies	32,918	38,410	623	27,253	9,576	108,780
	Utilities	30,057	52,702	1,255	2,579	4,289	90,882
	Equipment oper. & maintenance	26,193	30,510	2,072	5,624	15,473	79,872
	Employee benefits	13,468	16,162	488	-	21,646	51,764
-	Insurance and workers comp.	19,762	11.846	7.775	_	20,692	60.075
	Payroll taxes	13,730	12,256	2,004	8,981	19,178	56,149
	Fish food	49,996	11,126	-			61,122
٠	Aircraft and hoat charters	2,192		_	28.784	_	30,976
	Fish harvesting	51,286	_	-	26,000	_	77,286
ŀ	Professional services	1,326	42.805	288	22.645	26.551	93,615
	Postage and freight	2,076	1,436	_	1,490	2,782	7,784
	Telephone	1,120	1,933	448	2,880	5,468	11,849
٠	Rent	-,	-,	1,500	1,684	5,264	8,448
	Janitorial and snow plowing	_	1,298	332		4,708	6,338
	Travel, lodging and meals	2,619	392	179		2,436	5,626
	Safety program	908	797	86		1,844	3,635
	Dues and publications		294	_ 00	_	4,019	4,313
	Printing and advertising		254			5,574	5,574
	Bank service charges	-	460	10	-	243	713
	Permits and fees	834	596	2,286	112	1,010	4,838
	Meetings	834	596	2,286	112	1,010	4,838
٠		-	- 88	750	-	551	1.389
	Loss on disposal of assets		88	750		- 551	
		\$384.072	\$395.593	\$130.822	\$210.032	\$433,426	\$1.553.945

(See notes to financial statements)

Page

2000 Financial Statements

COOK INLET AQUACULTURE ASSO	CIATION, INC.	
STATEMENTS OF CASH FI Years ended June 30, 2000 a		
	2000	1999
CASE FLOWS FROM OPERATING ACTIVITIES Cash received from grants and contracte Cash received from enhancement tax proceeds Cash received from enhancement tax proceeds Cash received from enhancement tax proceeds Cash paid to suppliers and employees Cash paid to suppliers and employees Nat cash (used) provided by operating activities	\$	\$ 15,000 771,599 680,278 8,398 52,074 (1,348,108)
CASH FLOWS FROM INVESTING ACTIVITIES Purchase of property and equipment Net cash used for investing activities	(36,640) (36,640)	(6,656) (6,656)
CASH FLOWS FROM FINANCING ACTIVITIES Proceeds from long-term financing Net cash provided by financing activities	250,000 250,000	==
NET (DECREASE)/INCREASE IN CASH AND CASH EQUIVALENTS	(236,844)	172,585
CASH AND CASH EQUIVALENTS AT BEGINNING OF YEAR	858,671	
CASH AND CASH EQUIVALENTS AT END OF YEAR	\$ 621,827	\$ 858,671
RECONCILIATION OF CHANGES IN NET ASSETS TO NET CASH (USED)/PROVIDED BY OPERATING ACTIVITIES	2000	1999
CHANGE IN NET ASSETS	8 (545,090)	<u>8 (85,867</u>)
Assists to NET CASE (USED)/PROVIDED BY OWERATIONS Depreciational of assist Increase in accounts receivable Increase in accounts receivable Decrease/(increase) in prepaid expenses Increase/(decrease) in accounts payable Increase/(decrease) in deposits payable Increase/(decrease) in deposits payable	124,441 (47,455) 116,719 19,429 (23,965) 5,785 (100,068) 94,886 \$ (450,204)	127,619 1,389 1,089 101,727 (21,931) 11,426 (14,339) 265,108 \$ 179,241
SUPPLEMENTAL SCHEDULE OF NONCASH FINANCING ACTIVITIES:		
Deferred interest on notes payable to State of Alaska	2000 \$ 116,719	1999 \$ 101,727
(See notes to financial state	enents)	
COOK INLET AQUACULTURE ASSO NOTES TO FINANCIAL STATI June 30, 2000		
1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES		
Cook Inlet Aquaculture Association, Inc. is an Alaskan reg Alaska Statutes and operated for the enhancement of salmon is	gional nonprofit corpor	ation established under
The accounting policies that affect the more significant Association are summarized as follows:	elements of the finan	cial statements of the
a.Method of Accounting		
The Association reports information regarding it according to three classes of net assets as follows:	s financial position	and activities
Unrestricted amounts are those currently ava Board for use in the Association's operations	ilable at the discretion	n of the
Tamporarily restricted amounts are those whi grantors for specific operating purposes contracts are recognized as earned when expenditures in compliance with the specific	. Revenue from gran	onors or onts and incurred
Permanently restricted amounts are those stipulated by donors or grantors to be invest		ipal is

COOK INLET AQUACULTURE ASSOCIATION, INC. NOTES TO FINANCIAL STATEMENTS (CONT.) June 30, 2000 (continued from previous page) TES PAYALE (CONT.)

Note symble incusing deferred interest to the Dept. of Commerce

Note symble incusing deferred interest to the Dept. of Commerce

secured by all property now owned or hereafter acquired and an insasignment of future revenues and proceeds of sales of surplus fish and

sasignment of future revenues and proceeds of sales of surplus fish and

sasignment installances of \$127,978 including deferred interest beginning

January 1, 2002. Payment on the interest accrued is deferred until 1,440,417 \$1,807,136 Original Note Interest \$ - \$ - \$ - 21,925 20,058 UAL LEASES

UAL LEASES

UAL LEASES

A conclusion entered into a long-term lease with the federal povernment on July 23, 1898, for lease of secondistion entered into a long-term lease with the federal povernment on July 23, 1898, for lease of secondistic secretary to acress for the Edutum Ratchery. The lease is for a pariod of 10 years with right of renewal. Lease payments are \$1,200 per year and can be adjusted every five years to reflect current market value. The annual lease payments were \$1,500 for years ended June 30, 2000 and 1999. This amount is included with Edutam Ratchery expanses.

On June 30, 1985, the Association entered into a lease with the Kenni Peninsuls Borough on 4.9 acress of land which is the site of a new headquarter complex. The lease is for a period of 10 years with right to lease payments for the years ended June 30, 2000 and 1999, were \$2,632 and \$5,264 and are included in general and definiterative expenses. On Pabruary 15, 1991, the Association entered into a lease with the State of Alaska on 4.68 acres of land, which is the site of the baint Eiger fish lader. The lease is for a period of 55 years with right to renewal. Annual lease payments are \$200. Total lease payments for the years ended June 30, 2000 and 1999, were \$200. This acount is included with special projects expenses. Future minimum rental payments in aggregate for all leases: 2000 2002 2003 2003 6.BETIMEMENT COSTS

The Association sponsors a defined contribution retirement plan that covers all regular employees.

Contributions to the plan are based on a percentage of the employee's base salary that is established from time to time by the Board. There is no retirement expense for 2000 and 1999. CONCENTRATION OF CREDIT RISK

The Association maintains cash funds on deposit with the same banking institution in excess of the FDIC insured limit of \$100,000. REPLACE ADMINISTRATION AND SECURED IN A SPECIAL PROPERTY OF THE PROPERTY OF TH MERCHEAN CONCENSION.

WITHRINGT AND CONTINUENCIES

On December 8, 1994, the Association entered into a memorandum of agreement with the Seward Silver
Salmon DebyP-Faib Restoration Fund whereby the Association agreed to produce and stock 150,000 or more
silver salmon smolt yearly for a ten-year period for a fee of \$15,000 per year in 1994 dollars. The
Association did not receive the Kee in 2000. Junuary 1999, the Association closed its hatchary at Eklutna. The facility and its assets are owned by the Association. The Association will provide for minimal operations to ensure the safekeeping of the hatchary property and equipment until such time as the Board of Directors deturnine to reopen the hatchary.

COOK INLET AQUACULTURE ASSOCIATION, INC. NOTES TO FINANCIAL STATEMENTS June 30, 2000 (continued from previous page)

b. Contributions
All contributions are considered to be available for unrestricted use unless specifically restricted by the donor or grantor. Amounts received that are designated for future periods or permanently restricted support that increases those not asset classes. When a temporary restriction expires, temporarily restricted as eases are reclassified to unrestricted as a many and reported in the statement of activities as not assets are reclassified to unrestricted and assets.

C. Property and equipment are recorded at cost and despeciated over their estimated useful life.

d. Income lateral Browner.

The Internal Revenue Service has determined that the Association is exempt from federal and applicable state income tax under Section 501 (c)(3) of the Internal Revenue Code.

...w incernal Revenue Service has determined that the Association is exempt from federal and
Enhancement Tax the income case under dection 50 (c)(3) of the Internal Revenue Code.

Code Tmile commercial fishersem voted in 1981 to assess a Sit are on gross value of the salmon
Code Tmile commercial fishersem voted in 1981 to assess a Sit are on gross value of the salmon
than paid to the Association by the State in the form of a contract. The proceeds are to be used
for enhancement and development of the animon fishery with a goal of satisfizing the salmon runs
for the salmon runs
and the salmon runs
state of the salm

The major source or tunning for the Association.

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and inhilities at the date of the particle. Actual results could differ from those estimates. As depended and the reporting and Cash Equivalents

For purposes of the statement of cash flow, the Association considers all highly liquid debt instruments with a maturity of three months or less to be cash equivalents.

1999 Tutka Lagoon Hatchery
Eklutna Hatchery and equipment
Trail Lakes Hatchery and equipment
Headquarters building
Field equipment
GOOD CONTROL OF THE PROPERTY OF \$ 33,982 2,636,555 226,425 314,461 165,368 55,142 9,846 3,478,419 3,441,779

The Association operates the facilities owned by the State of Alaska at Tutka Lagoon and Trail Lakes. Title of the physical properties is retained by the State of Alaska and the costs of the physical plants are not reflected in the financial statements of the Association.

\$1,517,304

Deposits advanced of \$-0- and \$100,068 at June 30, 2000 and 1999, consist of cash received from proce for the acquisition of surplus fish from recovery harvests planned.

Notes payable at June 30, 2000 and 1999, consist of the following: Notes payable at one 30, 2000 and 1575, Commant to the Dept. of Commerce Notes payable including deferred interest to the Dept. of Commerce secured by an assignment of future revenues and proceeds of sales of surplus fish and eggs, with interest at 3.5% beginning December 20, 1994, interest Dept. of the Secure Commerce interest Dept. Secure Commerce defected until January 1, 2002. Seyment on the interest accrued is defected until January 1, 2002. \$ 363,880 \$ 341,211

137,248

\$1,605,105

CERTIFIED PUBLIC ACCOUNTANTS
189 S. BINKLEY, SUITE 201 SOLDOTNA, ALASKA 99669 (902)262
INDEPENDENT AUDITOR'S REPORT

INDEPENDENT AUDITOR'S REPORT ON SUPPLEMENTARY INFORMATION

Board of Directors Cook Inlet Aquaculture Association, Inc. Kenai, Alaska

Our report on our audit of the basic financial statements of Cook Inlet Aquaculture Association, Inc. (a nonprofit corporation) at and for the years ended June30, 2000 and 1999, appears on page 1. We conducted our audit in accordance with generally accepted auditing standards for the purpose of forming an opinion on the basic financial statements taken as a whole. The following detail on special projects is presented for purposes of additional analysis an is not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements and whole.

August 31, 2000

Jank, Title, Ulynor & More

COOK INLET AQUACULTURE ASSOCIATION, INC. SPECIAL PROJECTS EXPENSES Years ended June 30, 2000 and 1999 See Auditor's Report on Supplementary Information

	2000	1999
Bear Lake	\$ 44,299	\$ 48,200
Packers Lake Project	41,641	21.737
Grouse Lake Harvest	35,053	10,750
Hidden Lake	31,040	27,803
Tustumena Projects	29,611	27,831
Lower Cook Inlet Lakes	13,042	37,124
Habitat Survey	5,207	6,652
Big Lake Egg Take	5,152	5,50
Leisure Lake Fertilization	4.742	12,036
Chelatna Lake Projects	3,857	12,389
Paint River Ladder	200	
	\$213,844	\$210,032

CIAA Meets with Alaskan Delegation in Washington D.C.

By Mark Matarrese—CIAA Staff

On March 5th, CIAA's executive director Gary Fandrei delivered a presentation to a group of aids and senior staff members in Senator Steven's office located in the Heart Building in Washington D.C. The purpose of the Washington visit was to present a longer term solution than the current disaster relief efforts that were granted to the Cook Inlet fisheries community for the devastating runs and dollar values of the most recent years fish returns.

The participants attending the meeting included David Whaley the Senior Staff for Fisheries Policy for the House Resource Committee and the Subcommittee on Fisheries Conservation, David Russell, legislative aide for Ted Stevens, Bill Woolf, legislative aide for Frank Markowski, Gary Fandrei and Mark Matarrese, staff for CIAA, Joe Maletesta, a legislative consultant for CIAA, and Jack Brown, a Kenai Peninsula borough assemblyman.

The presentation included a brief on existing programs and an introduction to new programs that can assist the fishing communities through enhancement



CIAA's Gary Fandrei on the left, with Joe Maletesta center and Jack Brown pose prior to the presentation given to the delegates in Senator Ted Stevens office during CIAA's visit to Washington D.C.

and rehabilitation in Cook Inlet. Fandrei made his point clear that the fisheries in Cook Inlet is suffering more than any in recent memory, and expressed the importance of continued funding for the Association to proceed forward with its mission. He also said that CIAA is responsible for fifteen percent in numbers of the current fish returning to Cook Inlet.

The presentation lasted for thirty minutes and was then followed up with a question and answer period. The general feeling from the participants representing our legislators was favorable to the assistance programs offered by CIAA, but the funding for these programs remains in question. Mr. Whaley understood the need for CIAA's continued operation, but also made it quite clear that funding for new programs could prove difficult in our current political atmosphere.

CIAA will continue to communicate with our delegation in Washington and strive to make our salmon resource healthier for all Cook Inlet users.

Board of Fish: Resource Being Wasted Due to Harvest Limitations

Continued from page 3

\$319,592.44 for the fish harvested. Based on the average Upper Cook Inlet sockeye price of \$1.15/lb in 1997 and 1998, \$1.40/lb in 1999, and \$0.85/lb in 2000, these fish, if harvested in bright condition, were worth \$878,400.20. This represents a significant loss of income to CIAA and the waste of a valuable resource.

Discontinuing the late-run smolt releases at Grouse Lake, further enhancing the Bear Lake system with early-run fall presmolt and spring smolt releases; and, securing a saltwater special harvest area will improve the quality of fish harvested and allow the fish produced for cost recovery harvest to be fully utilized. The cost recovery harvest of returning sockeye salmon provides the funding necessary to continue

the Bear Lake project and other enhancement activities. A reduction in the value of the sockeye harvested in Resurrection Bay for cost recovery would result in the loss of these programs, which provide fish to one or more segments of the common property fishery.

Without the establishment of a special harvest area and a management plan, commercial and cost recovery harvests of fish returning from the combined project may conflict resulting in the loss of harvest opportunities by CIAA or the commercial fleet. This project allows CIAA to continue to provide fish. The Association looks forward to your support.

See back page article "Changes in Store For Bear Lake" for more on this project.



A New Addition

Congratulations to Jen and Matt Cooper. On March 12, 2001 @ 11:15 pm they became the proud parents of a beautiful baby boy. Matt Cooper is the biologist at CIAA, and his wife Jennifer has worked as a temporary employee at field camps, and also assisted Judy in the office.

Ryan Matthew Cooper weighed in at 6 lbs. 10.5 oz. and is 19 in. in length. He was delivered by Katherine Piatt and her staff at the Frontier Midwifery in Soldotna, Alaska.

In the effort to continue enhancement and rehabilitation programs for Cook Inlet Salmon, we need your help. Do You Want To Help?

Declining enhancement tax and cost recovery revenue are challenging our survival. Here is your chance to help.

Please accept my contribution in an effort to help sustain strong salmon runs in Cook Inlet for:
□ \$1.00 □ \$5.00 □ \$10.00 □ \$25.00 □ \$50.00 □ \$100.00 □ ______ other

Address

City State Zip
Email Phone() -

COOK INLET AQUACULTURE ASSOCIATION

40610 Kalifornsky Beach Road Kenai, Alaska 99611-6445 Thank You!

Tutka Bay: Broodstock Collection Is Another Success

Continued from page 1

production at the Tutka Lagoon facility. George is encouraged with progress and improvements to the hatchery thus far and is hopeful for the future return of pink salmon to this area. Survivals from eyedegg to fry release from the 1999 brood year egg take were very high. A total of 65,120,000 pink fry were released in midJune at an average size of .51 grams. These are some of the largest fry ever released according to hatchery records and should produce a healthy return of adult pink salmon 2001.

On July 6th, cost recovery activities began using the F/V Silver Streak with CIAA board member Nathan Wise and his crew, along with the tender, F/V St. Joe, and Cook Inlet Processors. Cost recovery was completed by July 28th. Broodstock collection commenced during early July and proceeded unhindered to completion on July 22nd. Nathan and his crew did an excellent job of coordinating the tedious time schedules caused by Tutka tide restrictions and processor demands. Final count indicates that an estimated 1.262 million pinks returned as a result of the stocking completed at Tutka in 1999. Additionally, a small return of sockeye was estimated at 2,757. The Sockeye program has been suspended at Tutka Bay Hatchery so returns will continue to be minimal.

Egg take activities commenced on July 29th with a full complement of 10 seasonal hatchery crew members. In an effort to improve quality control on the spawning platform, a new hatchery fish culturist, Randy Colvin, was hired on July 10th. Under the watchful eye of Kadeon Waite, Assistant Hatchery Manager, Randy was able to keep procedures during



Photo by Staff / CIAA Nathan Wise's crew on board the F/V Silver Streak are hard at work during the broodstock collection at Tutka Bay Hatchery.

spawning more uniform and consistent, resulting in increased survivals of eggs. George continued to oversee hatchery activities supervising hatchery crew in the putting down of eggs in the incubators. George complimented Kadeon and Randy on a job well done.

Egg take did not occur without problems, however. The airboat, which was used to transport the eggs from the spawning platform to the hatchery, had been to town in early spring for a complete restoration of the bottom. Hull reinforcement and Teflon sheeting was added to the boat to increase durability and help resist some of the previous damage due to rocks in the creek.

Unfortunately, the Teflon did not hold up and tore loose shortly after initial use. The hatchery crew worked daily to reattach it to the boat, but after two weeks repairs would not hold so the air boat use was suspended. Instead, eggs were taken daily and held on the float system in coolers until transferred as the tide permitted to the hatchery building. Delayed fertilization was again used this year and the eggs appeared to suffer no damage as a result in this additional delay in procedure.

Egg sorting began on September 25th. A hardy crew of five accomplished the work by November 16th. The new Jensorter egg sorter was critical in a successful picking of eggs.

George commented that, "These eggs are far superior in quality to those we put down last year." A total of 106,117,000 eyed eggs were seeded into the incubators for hatching. This represents an 86.9% survival from green egg to eyed egg. This increased survival from last year is attributed to hatchery crew diligence in adhering to spawning procedures and care with the eggs during transport.

George reported, "Despite the problems with the airboat, we just kept in mind that the eggs are our first concern and we do whatever it takes to get the job done." He stated further, "We will continue to look for techniques to be initiated that will further increase survivals."

By November $4^{\rm th}$ the first lot of eggs began to hatch. Egg hatching was completed by January $15^{\rm th}$ with excellent survivals. George predicts there will be nearly 100 million pinks to rear this spring. The goal for Tutka Bay Hatchery is to make these numbers the norm and not the exception.

Trail Lakes Hatchery: Rebuilding for the FUTURE

Continued from page 1 ing from the high levels of gas bubble has been discussed as a contributing factor in accelerating the spread of the IHN disease.

Other sources that may have contributed to the outbreak include the water source used by the hatchery. Currently the hatchery is using well water for processing water, but the water has in the passed indicated a high risk of surface contamination. The wells where drilled in the creek bed, and leaching of creek water into aquifer that supplies the wells has occurred in the past. In the process to eliminate contamination of well water by potentially virus infested creek water, the hatchery had the well heads injected with grout to seal off the osmotic condition.

There is no absolute certainty that this repair blocks all water mixing from the creek to the aquifers.

The hatchery staff has been actively working with pathology and management to eliminate factors that may have contributed to the spreading of this infectious disease:

- The distribution line for process water has contributed to gas super saturation of the water. The problem area has been identified and steps are being taken to eliminated air saturation downstream from the aeration tower. This problem has been haunting the hatchery since its inception
- · All the Kitoi incubators are being fitted

- with burp tubes, which will eliminate any possibility of air entrapment in the incubator. Air entrapment has been identified as a stress factor allowing for the possible triggering of the IHN virus.
- The aluminum incubators in the past were placed on steel supports resulting in an electrolytic action due to dissimilar metals. This phenomena may have created an electrically hot environment for the eggs which could lead to increased. IHN susceptibility.
- Areas of cross contamination have also been identified in the hatchery, and measures are being taken to eliminate any future operational errors of this type. This factor was probably the major factor allowing for the rapid spread of IHN.

Changes in Store for Bear Lake

With this coming season, efforts will be undertaken to increase the enhanced production of the Bear Lake system. Draining into Resurrection Bay, Bear Lake provides the earliest run of commercially available sockeye salmon to the Cook Inlet Region (Area H). The timing competes with the Copper River early sockeye run.

Comparable in timing to the Copper River run, these sockeye command a higher price. "Bear Lake has the potential to substantially increase the Association's cost recovery opportunities as well as provide a sustainable sockeye fishery within Resurrection Bay," stated CIAA's Executive Director, Gary Fandrei.

In the past, the early run sockeye program at Bear Lake involved a stocking goal of 2.4 million fry to produce an estimated 116,000 adults annually. Under the proposed project an additional 800,000

pre-smolt and 560,000 smolt will be released to produce an extra 96,000 The proposal inadults. cludes a commercial harvest cap of 66,000, which is increase the Association's generally agreed upon by local fishermen. The additional fish for harvest should secure \$570,000 annually for cost recovery.

Bear Lake is a clear water system that is fertilized by CIAA to maintain "Bear lake productivity.

Lake has a proven track record, and has historically produced large smolt with above average fry to smolt and smolt to adult survivals," stated CIAA biologist Matt Cooper.

The rearing environment for the proposed stocking levels appear sound but securing the 6 million eggs necessary to

achieve stocking goals is possibly the greatest obstacle the project has to overcome Historically, Bear Lake sockeve ripen deep within the lake and are difficult to catch with crews generally capturing 20-30% of lake escapement. In 2000, CIAA placed nearly 12,000 fish to the lake in an effort to secure the needed eggs. The 4,000 extra fish beyond the 8,000-escapement goal greatly increased our success in securing an estimated 5 million. Unfortunately, the IHNV outbreak only allowed for 145,000 fry to be stocked Bear Lake this spring.

"Next year will be the crucial year. With a small return expected and currently no alternate sources for brood stock. It could be very difficult to secure the eggs required to run the project at capacity" stated CIAA's biologist, Matt

> Cooper. Acquisition of brood stock has been continually improving as new imprinting techniques and catch strategies evolve.

> The proposed changes to the Bear Lake project are driven by the necessity of the Association to secure a productive cost recovery project. Grouse Lake, the other cost recovery project in Resurrection Bay, has produced disappointing "The percent surresults. vival of smolt released from

Grouse Lake has averaged 2.8%, which is couraging. Due to market quality alone, CIAA estimates that they have lost over a



Bear Lake Weir, located 10 miles north of Seward, Alaska, controls the flow of water coming out of Bear Lake, and is also the gateway to returning adult salmon to the lake and for exiting smolt to sea.

> 1996, mostly caused by harvesting the stock in fresh water. "This represents a significant loss of income to CIAA and the waste of a valuable resource" stated CIAA's Executive Director Gary Fandrei.

2001 Salmon Market **Outlook for Cook Inlet**

The salmon return of 2000 has finally come to pass, and many are happy to put it behind them. The total return of sockeye was the smallest in recent history, and the ex-vessel price was the least in over 25 years- averaging \$0.85 per pound. Where is the fishery headed for 2001?

The Department of Fish and Game currently has a forecast of 4.2 million sockeye returning to Upper Cook Inlet, and an additional .2 million (estimated by CIAA) returning to Lower Cook Inlet. The harvestable fish for both Upper and Lower Cook Inlet is estimated to be 2.9 million fish. This harvest represents a 46% increase over the 2000 season. The exvessel price is currently rumored to be 20%-25% less than last year. What does all this mean only a slight increase in total revenue generated from the Inlet harvest.

exceptionally discouraging considering that similar projects around the state average 10% smolt to adult survival," stated CIAA's Biologist Matt Cooper. Quality of returning Grouse fish has also been dis-

half a million dollars to the project since

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"Bear Lake has the

potential to substantially

cost recovery

opportunities, as well as

provide a sustainable

sockeye fishery within

Resurrection Bay,"

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COOK INLET AQUACULTURE ASSOCIATION

40610 Kalifornsky Beach Road Kenai, Alaska 996 I I -6445

Phone: (907) 283-5761 Fax: (9907) 283-9433 Email: ciaa@ptialaska.net



Rehabilitate, Protect, and Maximize, Cook Inlet Salmon