

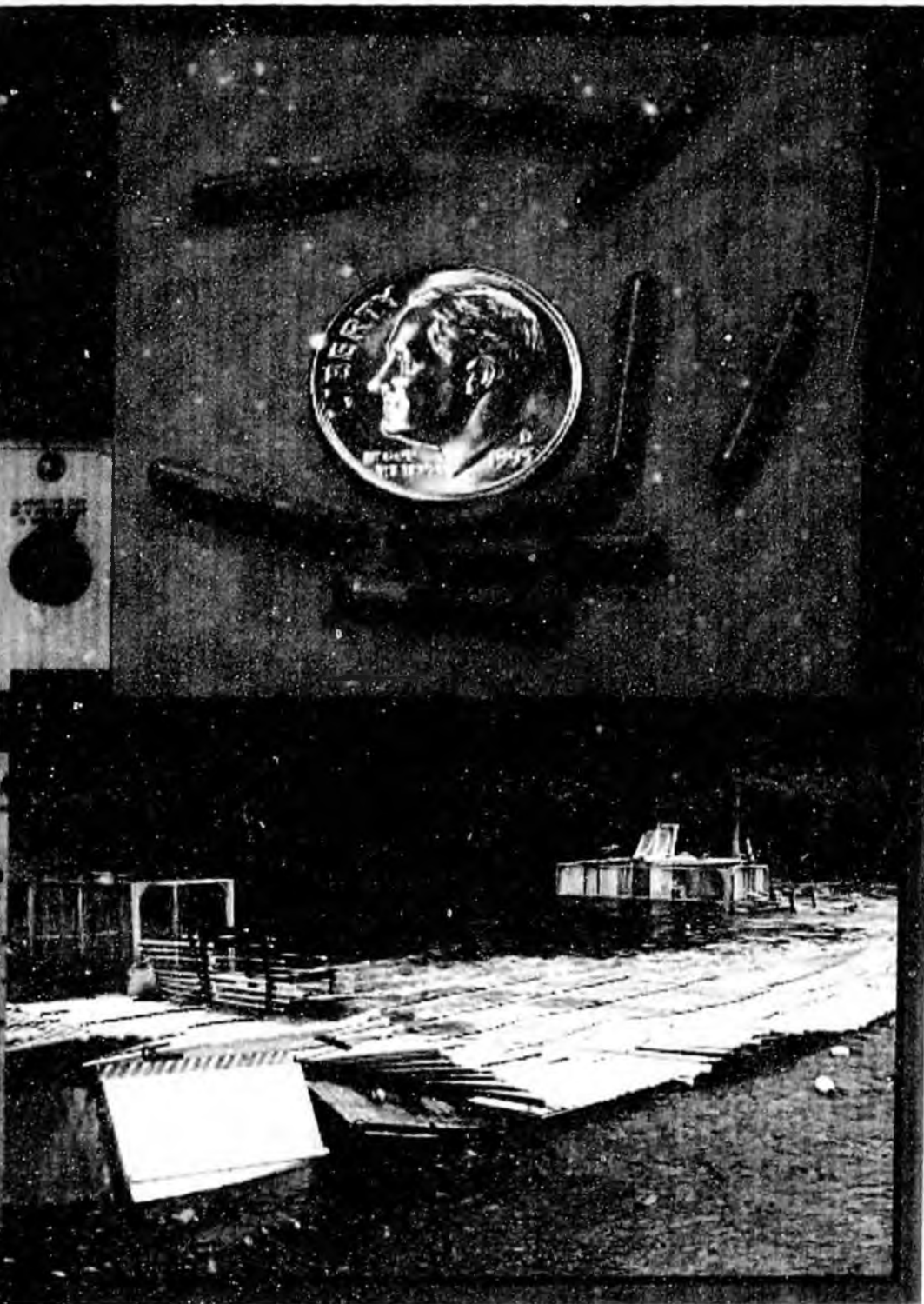
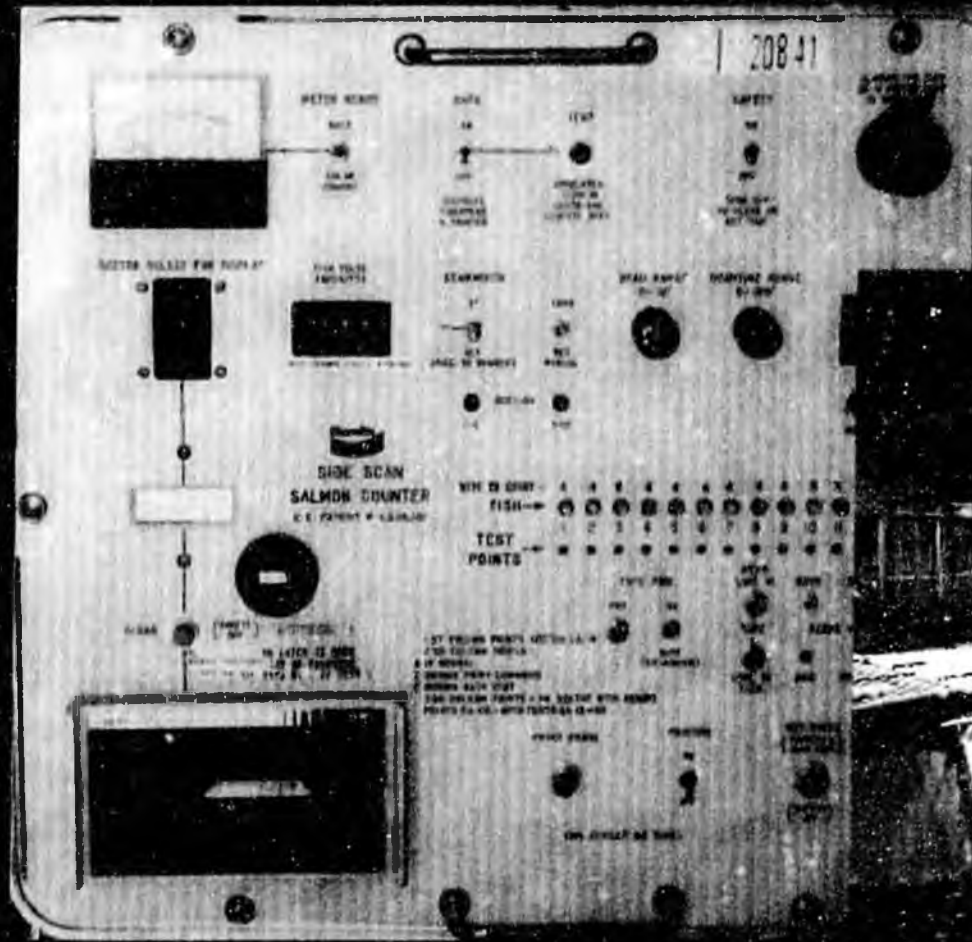


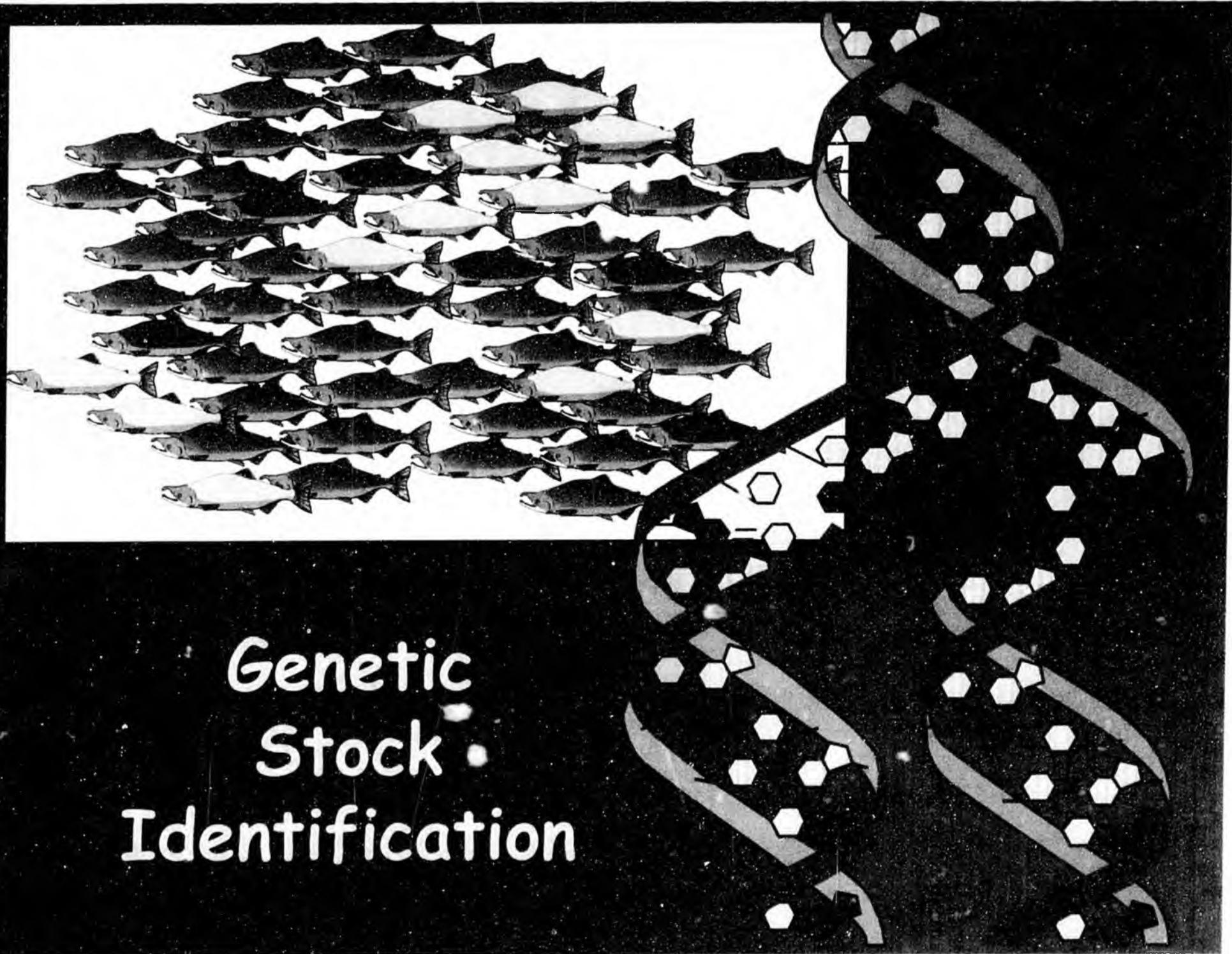
Today's Topics

- Problem
- Analysis
- Needs



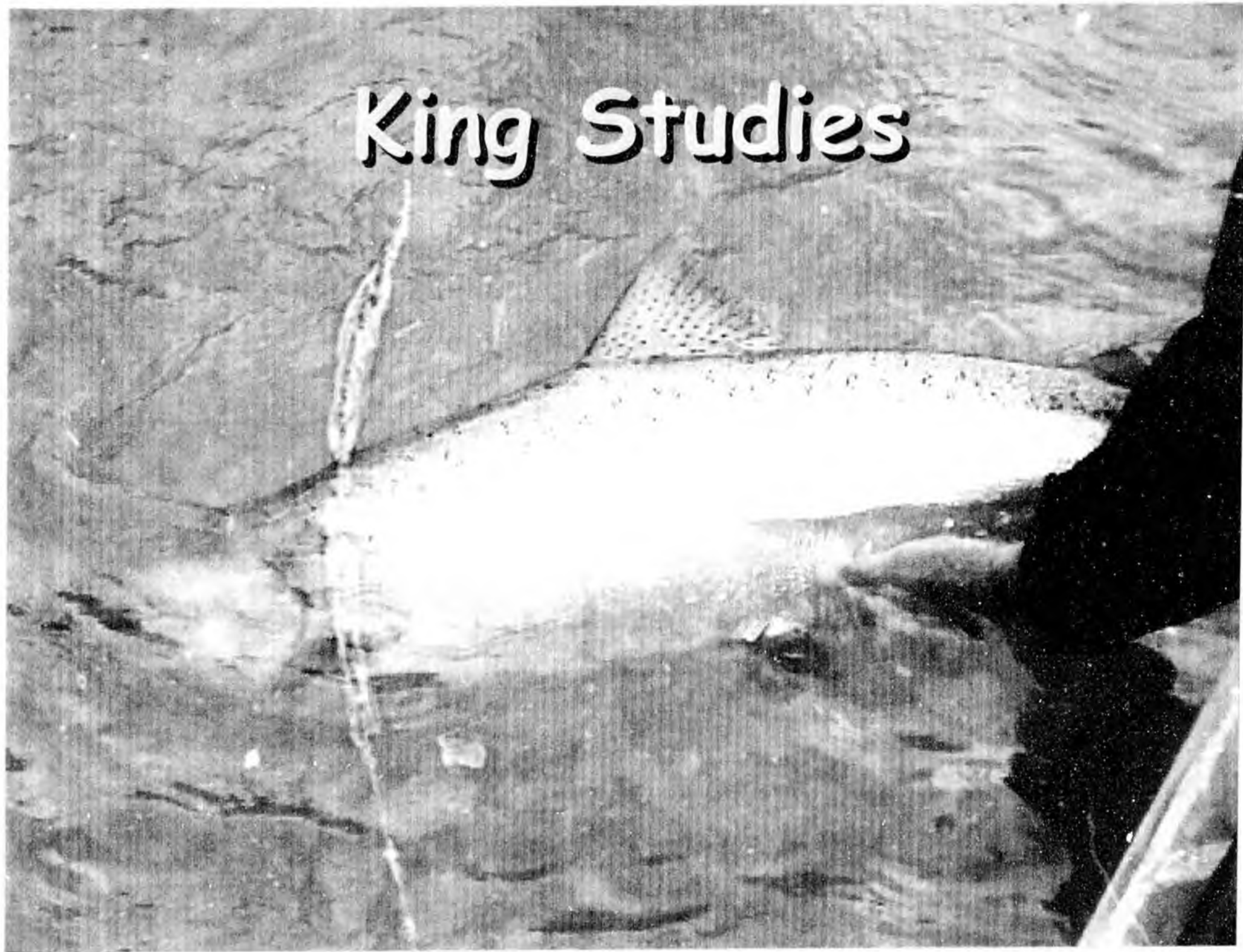
Escapement Accuracy Studies

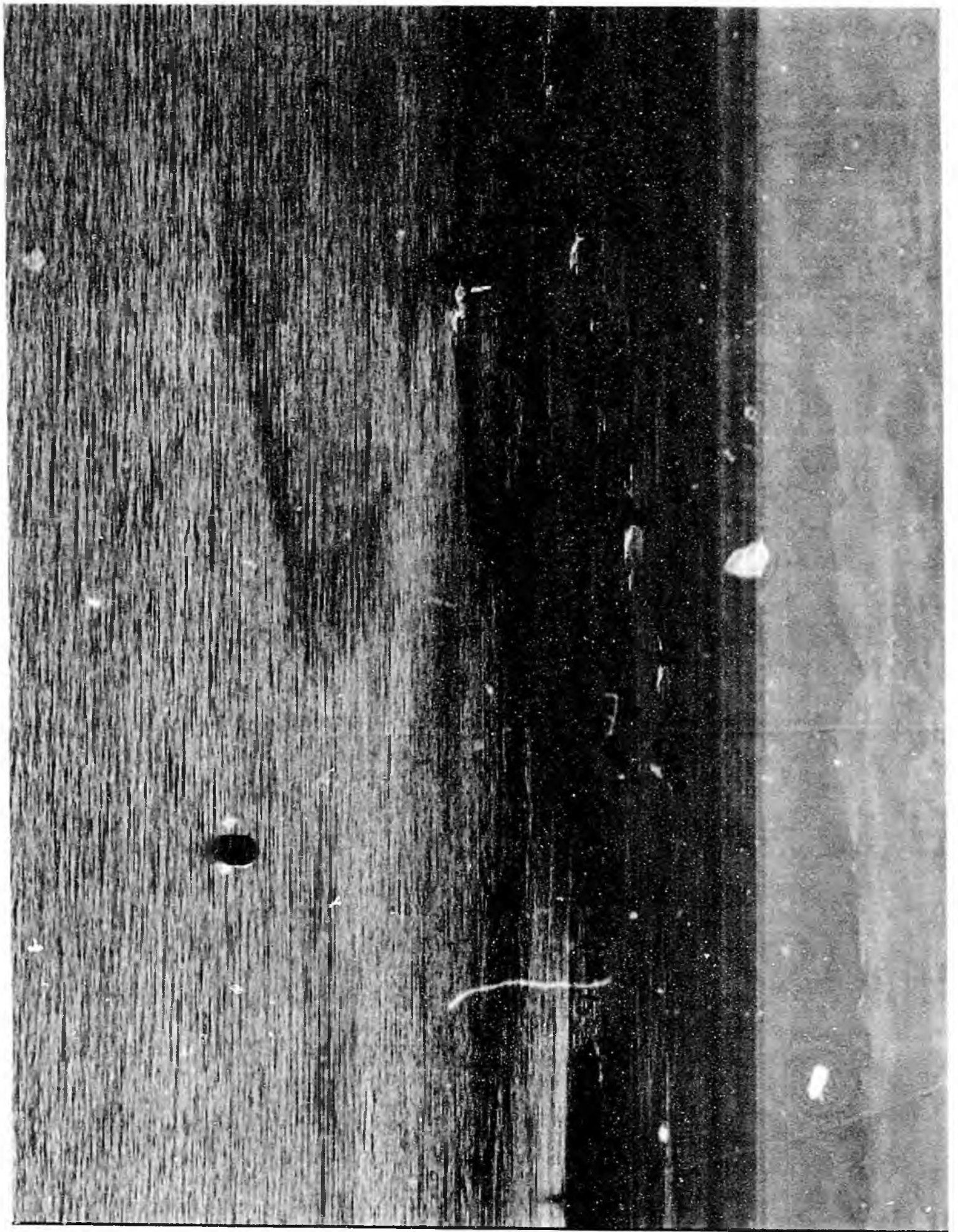




Genetic
Stock
Identification

King Studies





(H)RESOURCES

Jan 23 Wednesday
1:00 PM

STANDING COMMITTEE *

BARNES 124

Joint with Senate
Resources

+

Presentation by Ray
Beamesderfer, Kenai

TELECONFERENCED

Sports Fishing Association

-- Testimony <Invitation
Only> --

Ray Beamesderfer
Cramer Fish Sciences
600 NW Fariss Road
Gresham OR 97030
www.fishsciences.net

503.491.9577 PHONE
503.465.1940 FAX
503.475.0660 CELL

Request to testify at the Joint House and Senate House Resources Committee
January 23, 2008

Dr. Roland Maw, Executive Dir
United Cook Inlet Drift Association
43961 Kalifornsky Beach Rd, Ste E
Soldotna, AK 99669
907-260-9436 or 907-398-7992
ucida@acsalaska.net

Brent Johnson, President
Kenai Peninsula Fishermen Ass'n
43961 Kalifornsky Beach Rd Ste F,
Soldotna, AK 99669
907-262-1771 ph/ 262-1064 fax

Scientific Analysis of Upper Cook Inlet Fishery Problems

A series of fishery research studies in Upper Cook Inlet were initiated by the Alaska Department of Fish and Game and funded by the Legislature over the past couple of years that are now providing critical new data for evaluating the complex tradeoffs in optimal management of commercial, personal use, and recreational fisheries in the inlet. Rigorous evaluation of sound scientific data is fundamental to effective fisheries management.

Nowhere in Alaska is good data and analysis needed more than in Upper Cook Inlet which is a perfect storm of allocation disputes fueled by biological uncertainty.

Kenai River Sportfishing Association (KRSA) has funded development of a computer model to facilitate analysis of fishery alternatives and implications of the new data. Fishery models are widely used for rigorous and transparent analysis of complex mixed stock salmon fisheries. This analysis highlights the importance of continuing scientific research and monitoring of Cook Inlet salmon runs and fisheries.

The fishery model for Upper Cook Inlet can be used by the Legislature as a case study to evaluate additional funding support to develop fishery models for other state fisheries that as yet do not integrate this valuable management tool into the decision making process.

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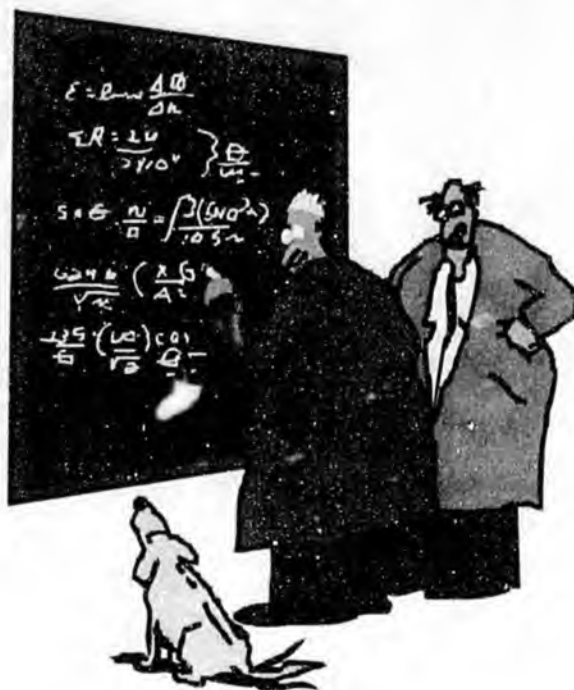
SIMPLIFYING ANALYSIS OF COMPLEX MANAGEMENT PLANS (ALL MODELS ARE WRONG BUT SOME ARE USEFUL)

What: Informational Presentation on a Simple Model for Analyzing Biological and Allocation Tradeoffs of Management Plan Alternatives

Who: Ray Beamesderfer, Senior Fisheries Scientist, Cramer Fish Sciences

Why a Model?

- Seemingly simple changes to complex management plans can have complicated and unanticipated effects on the delicate balance of escapement and allocation needs and desires in mixed stock and use fisheries like upper Cook Inlet.
- Computer models are useful tools for organizing complex information and systematically evaluating alternatives.
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- A modeling framework enhances the power and transparency of the decision-making process by organizing the pertinent scientific information and documenting critical assumptions and uncertainties.



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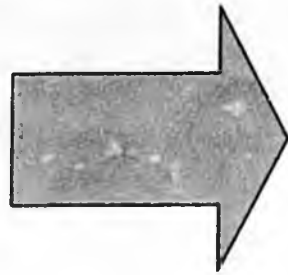
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- How might results of ongoing research on sockeye stock composition in inlet fisheries and sockeye sonar evaluations translate into fishery management measures?



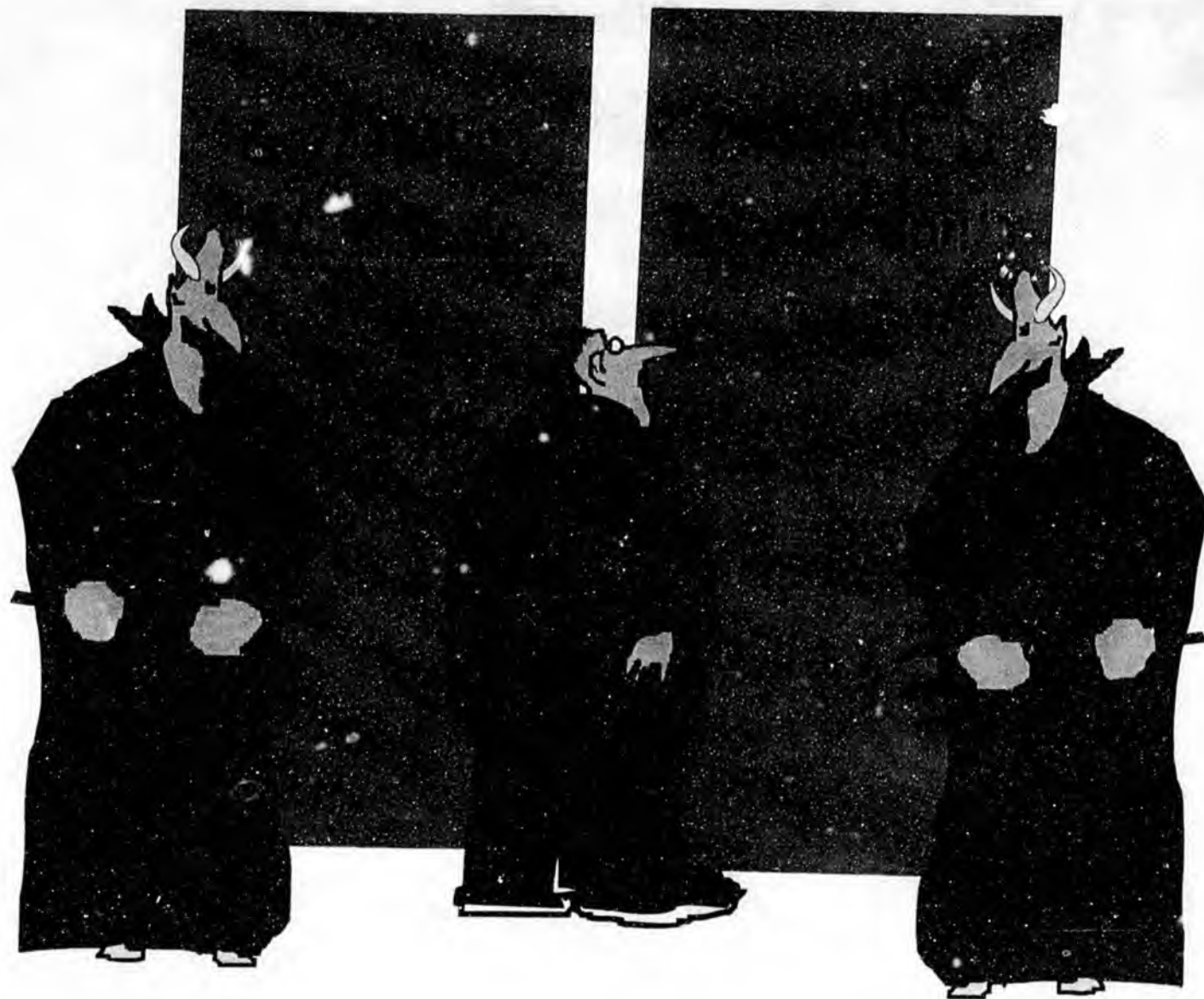
KENAI RIVER SPORTFISHING
ASSOCIATION

Today's Topics

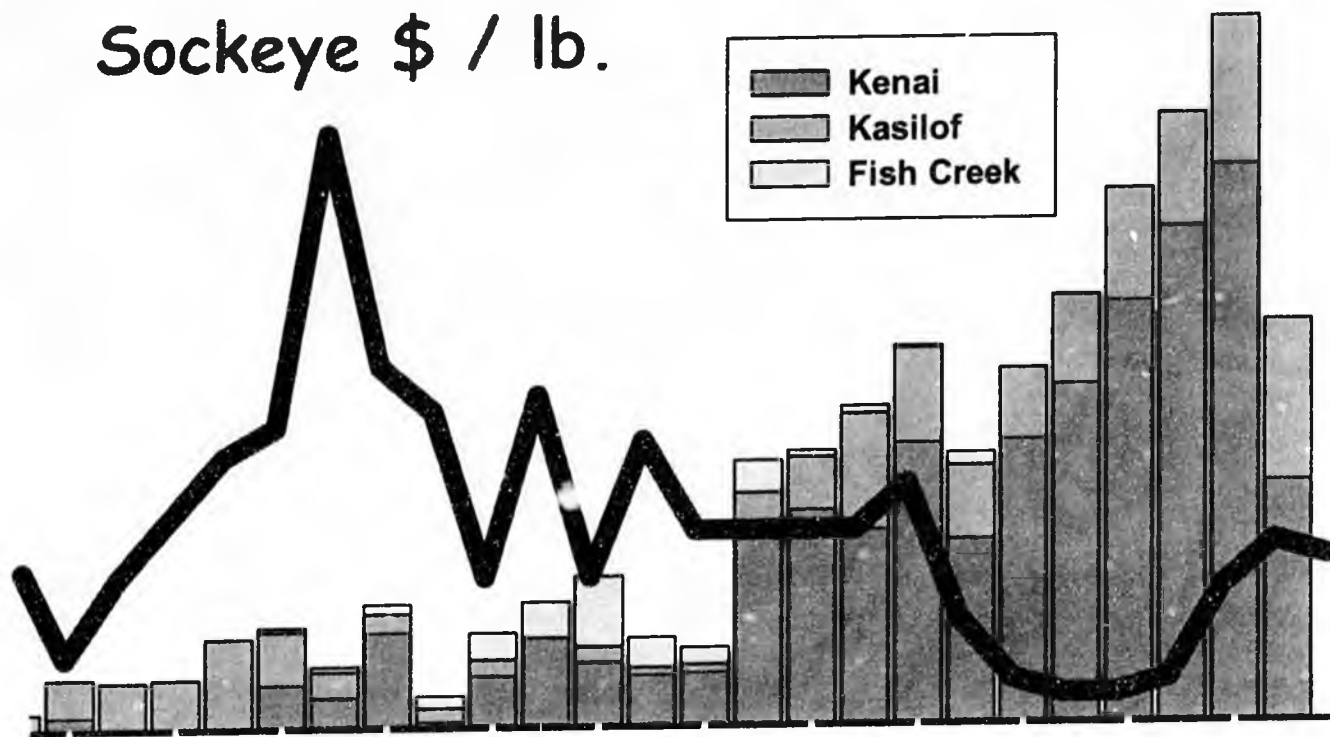


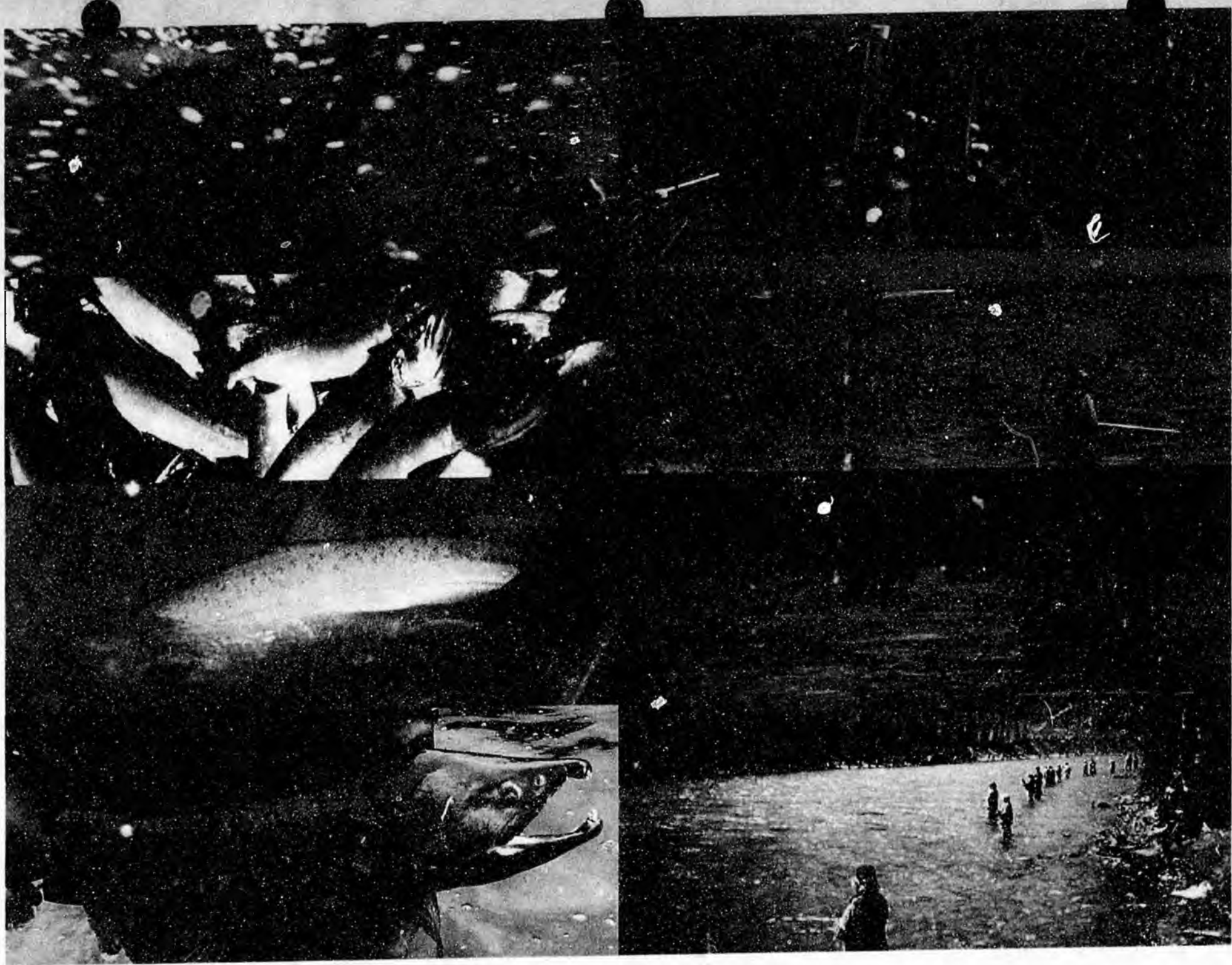
- Problem
- Analysis
- Needs

Cook Inlet Fishery Management



Competing Values

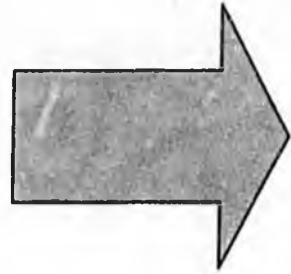




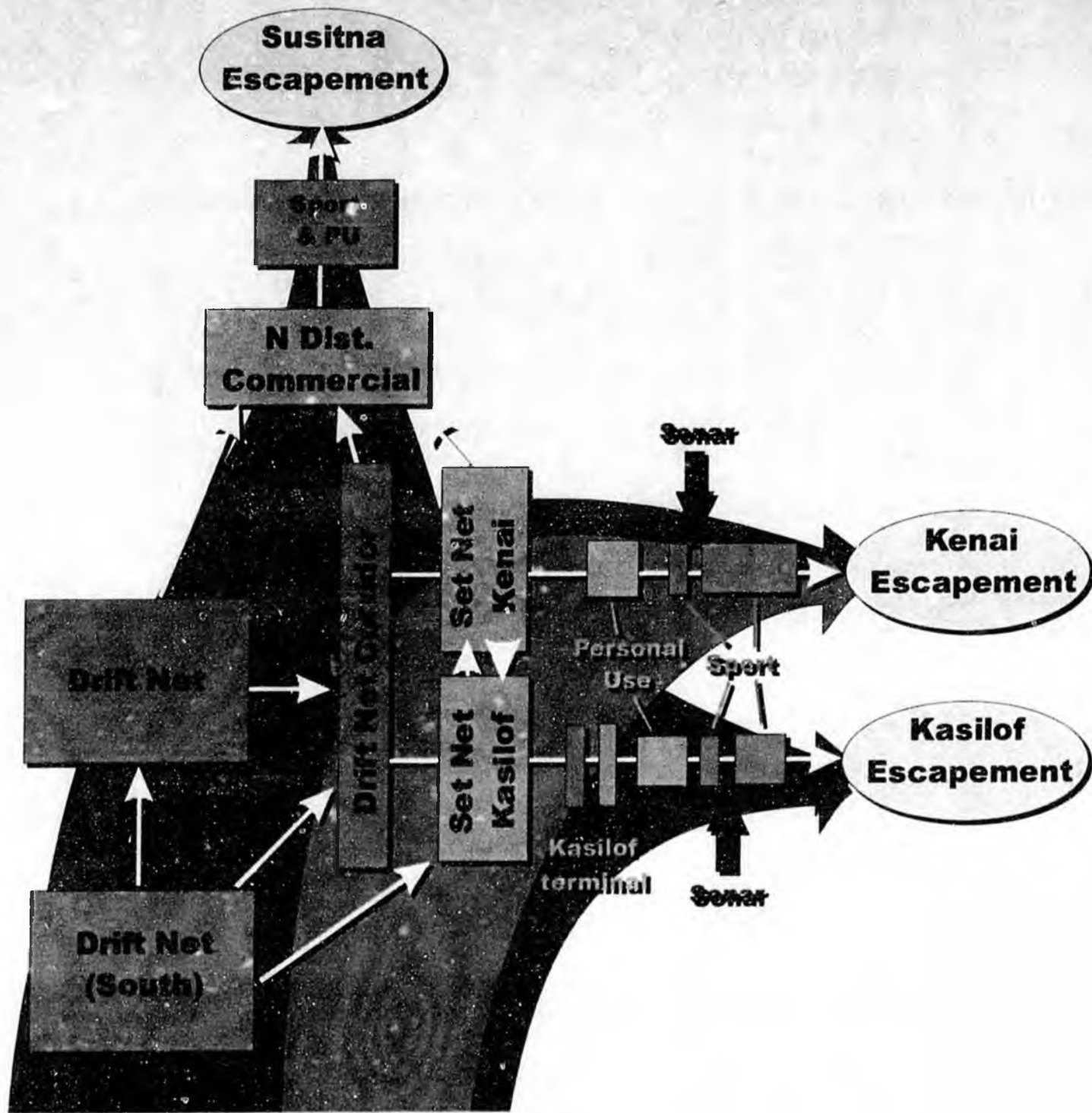


**Management
accuracy**

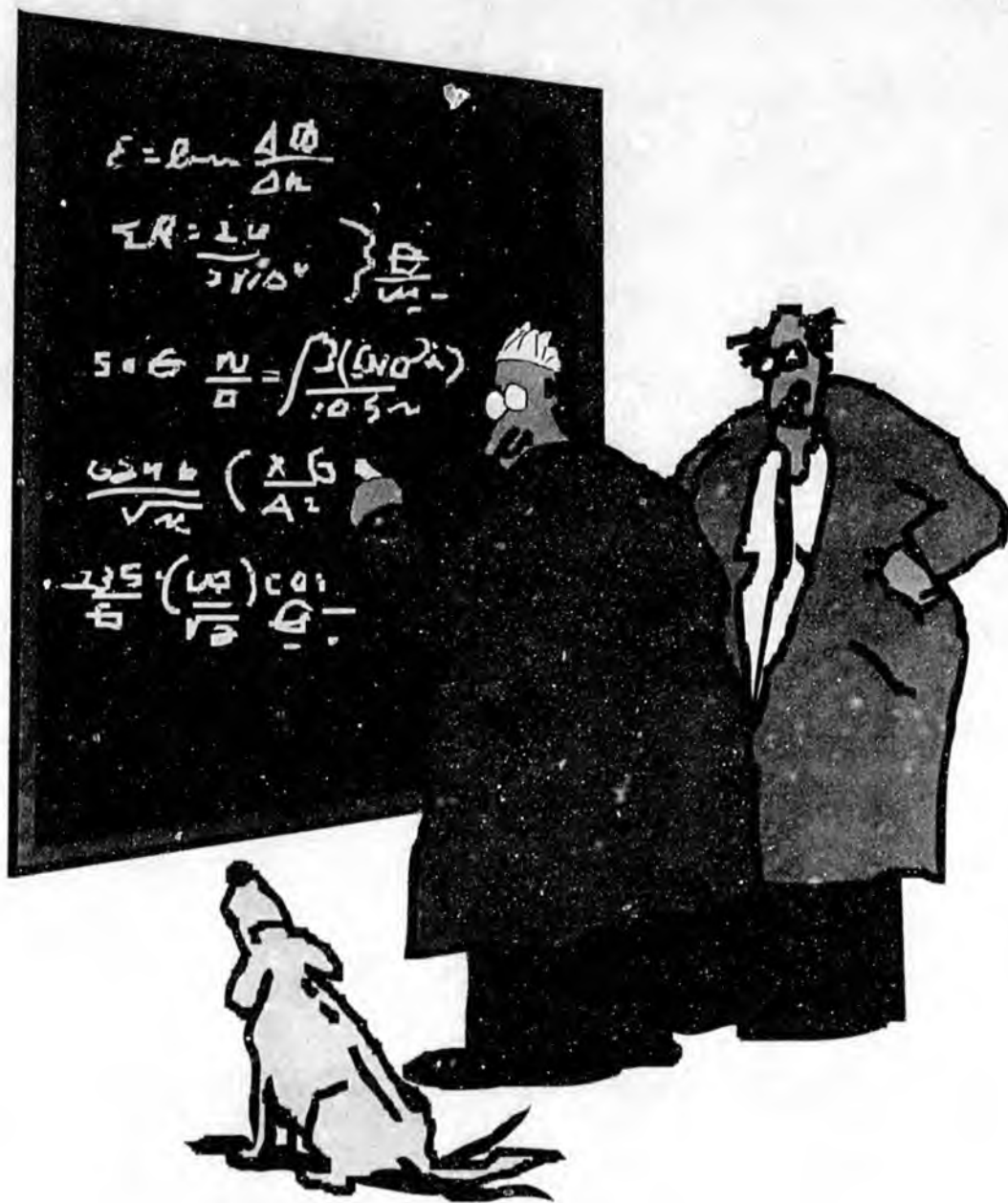
• Today's Topics



- Problem
- Analysis
- Needs



Fishery Simulations in Cook Inlet Accompanying Progressive Exploitation



FSCAPE - Fishery Simulations in Cook Inlet Accompanying Progressive Exploitation

Fishery		S	M	T	W	T	F	S	SA
June	WK 3	DN	Dist					12	12
		Corr							0
		SN	Kas						0
		Ken							0
	Oth term								0
July	WK 4	DN	Dist		12			12	24
		Corr							0
		SN	Kas			15	15	15	15
		Ken							0
	Oth term								0
August	WK 1	DN	Dist		12			12	24
		Corr							0
		SN	Kas	12	15	15	15	15	72
		Ken							0
	Oth term								0
September	WK 2	DN	Dist		12			12	24
		Corr							0
		SN	Kas	18	18			12	48
		Ken					12		12
	Oth term								0
October	WK 3	DN	Dist		12			12	24
		Corr							0
		SN	Kas	12	12				24
		Ken		12	12				24
	Oth term								0
November	WK 4	DN	Dist		12			12	24
		Corr							0
		SN	Kas	15	15	15	15	15	75
		Ken		15	15	15	15	15	75
	Oth term								0
December	WK 1	DN	Dist		12			12	24
		Corr							0
		SN	Kas	15	15	15	15	15	75
		Ken		15	15	15	15	15	75
	Oth term								0
January	WK 2	DN	Dist		12			12	24
		Corr							0
		SN	Kas	16	16	16	15	12	75
		Ken		16	16	16	15	12	75
	Oth term								0

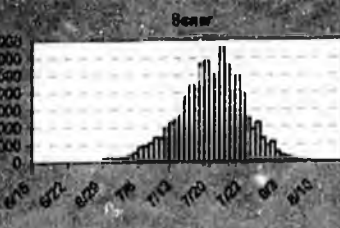
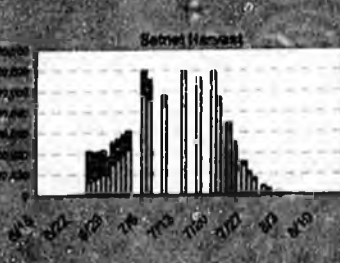
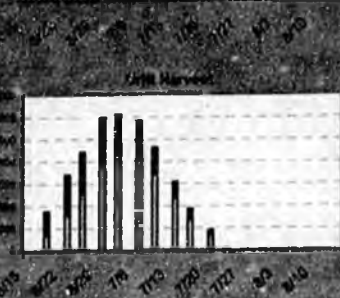
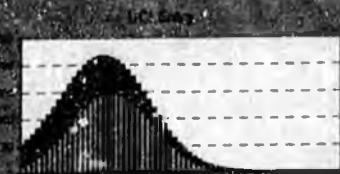
Run

Fish	Run size	Run timing	Daily variability
Sockeye	$c = 5,000$	July	%
Kenai	3,000	11	0
Kasilof	1,000	3	0
Suaitna	500	6	0
Other	500	6	0
Kings	67		
Kenai	57	1	0
Kasilof	10	1	0

Fish Run Scenario	Fishery Scenario
<input type="radio"/> Average <input type="radio"/> 2008 <input type="radio"/> 2007 <input type="radio"/> 2006 <input type="radio"/> 2005 <input type="radio"/> 2004 <input type="radio"/> 2003 <input type="radio"/> 2001 <input type="radio"/> 2000 <input type="radio"/> 1999	<input type="radio"/> Clear <input type="radio"/> 2007 <input type="radio"/> 2006 <input type="radio"/> 2005 <input type="radio"/> 2004 <input type="radio"/> 2003 <input type="radio"/> 2002 <input type="radio"/> 2001 <input type="radio"/> Current plan <input type="radio"/> Current no windows <input type="radio"/> Meet Yentna

Reset

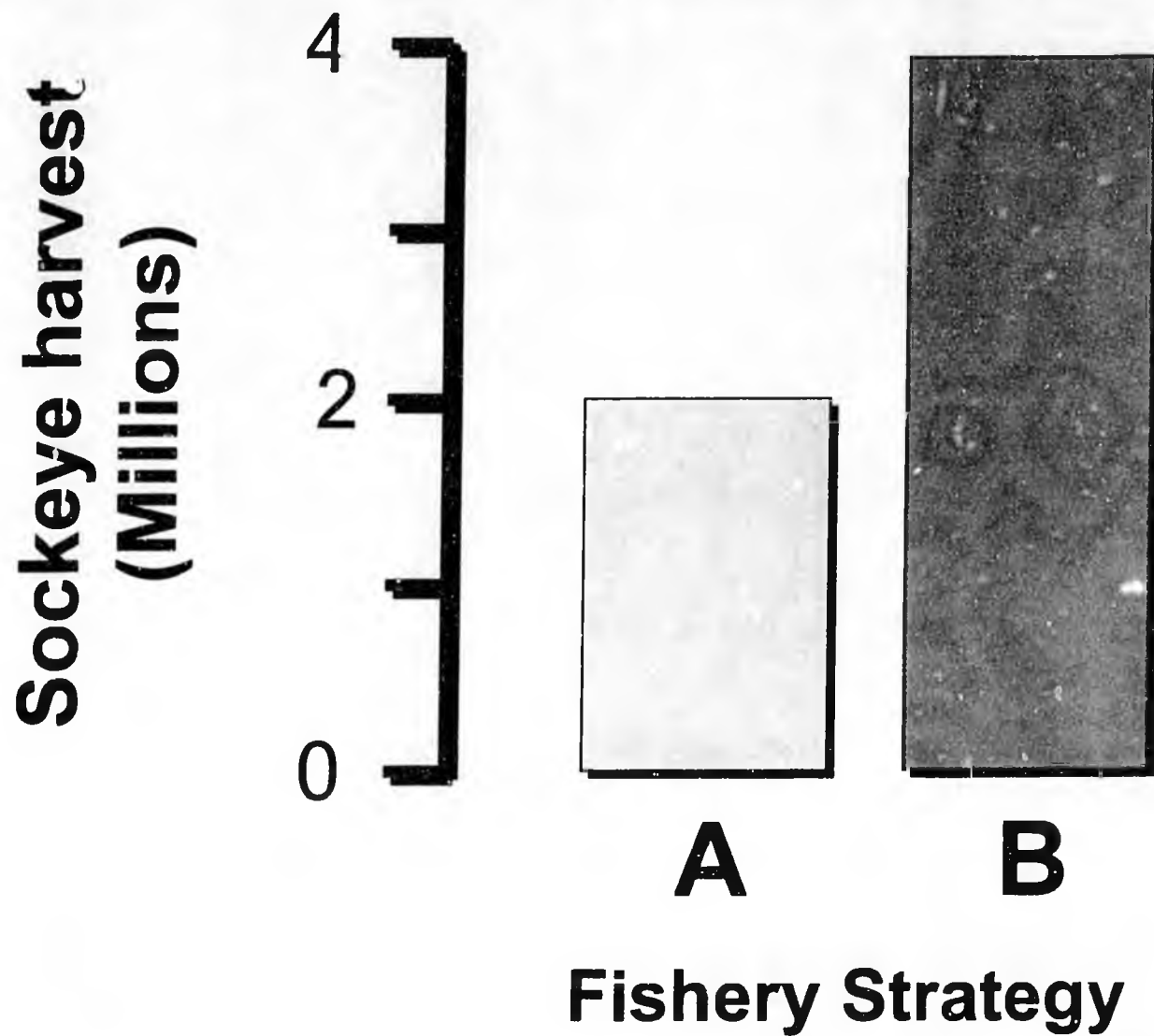
	Sockeye				Total	Share	Kings			
	Kenai	Kasilof	Suaitna	Other			Kenai	Kasilof	Total	Share
Run	3,000,000	1,000,000	500,000	500,000	5,000,000	57,000	10,000	67,000		
Harvest										
Drift net	780,000	280,000	130,000	187,500	1,377,500	1,100	200	1,300	4%	
Set net	1,170,000	420,000	50,000	56,250	1,696,250	14,000	1,800	15,800	45%	
Subtotal	1,950,000	700,000	180,000	243,750	3,073,750	15,100	2,000	17,100	49%	
PU	170,000	60,000	0	0	220,000	800	100	900	3%	
Sport	250,000	20,000	0	0	270,000	15,000	2,000	17,000	49%	
Subtotal	420,000	70,000	0	0	490,000	16,800	2,100	17,900	51%	
Total	2,370,000	770,000	180,000	243,750	3,563,750	30,900	4,100	35,000		
Escape										
Sonar	830,000	250,000	180,000	0	1,180,000	106,383	13,713	120,096		
Escape	830,000	230,000	320,000	0	1,180,000	106,383	13,713	120,096		
Stock comp										
Drift net	57%	20%	9%	14%	100%	85%	15%	100%		
Set net	69%	25%	3%	3%	100%	89%	11%	100%		
Total	63%	23%	6%	8%	100%	88%	12%	100%		
Expl rate										
Drift net	26%	28%	26%	36%	28%	2%	2%	2%		
Set net	39%	42%	10%	11%	34%	25%	18%	24%		
PU	6%	5%	0%	0%	4%	1%	1%	1%		
Sport	8%	2%	0%	0%	5%	26%	20%	25%		
Total	79%	77%	36%	49%	71%	54%	41%	52%		



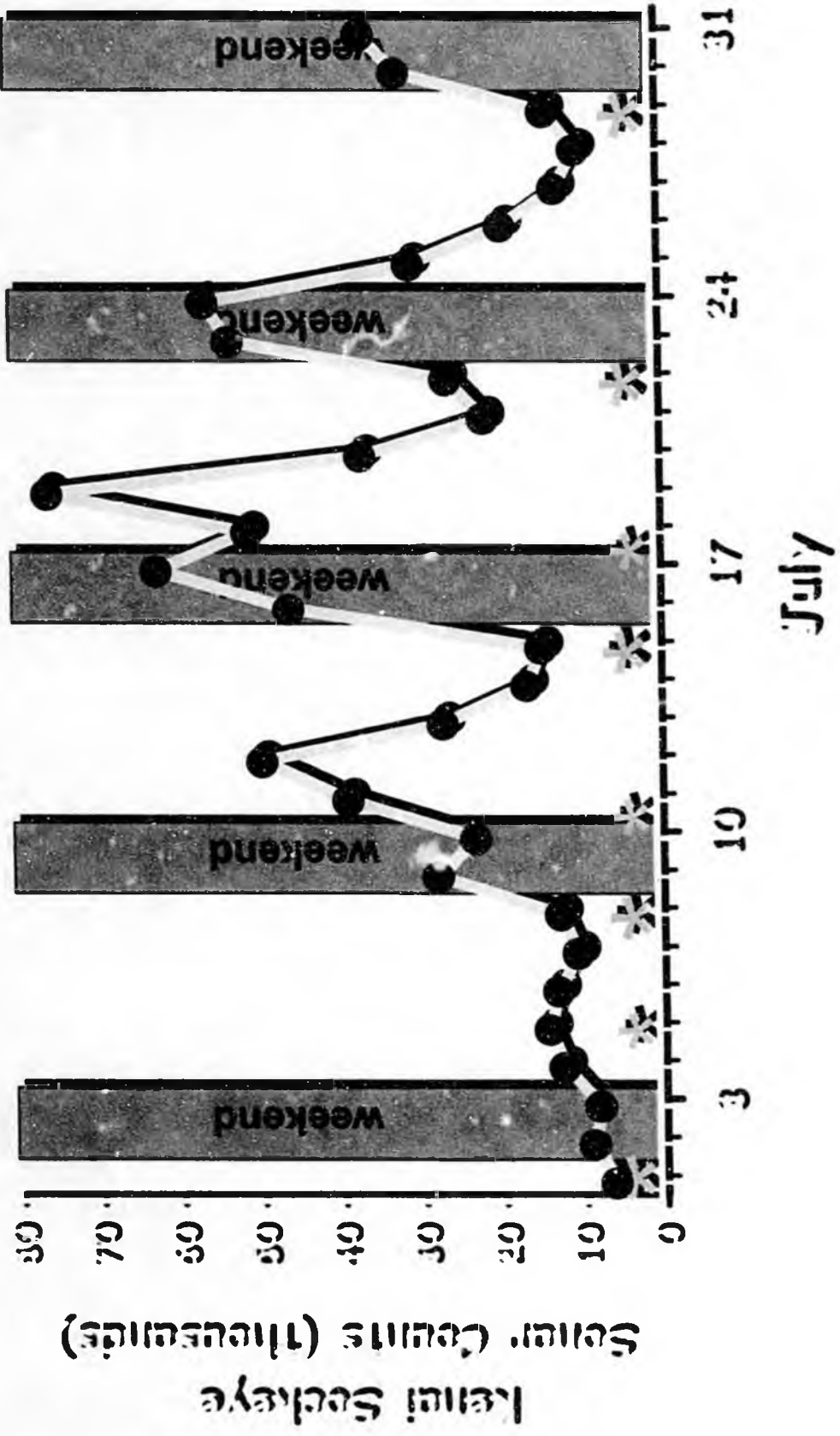
Show plot

- Kenai sockeye
- Kenai Chinook
- Kasilof sockeye
- Yentna Chinook
- North Star sockeye

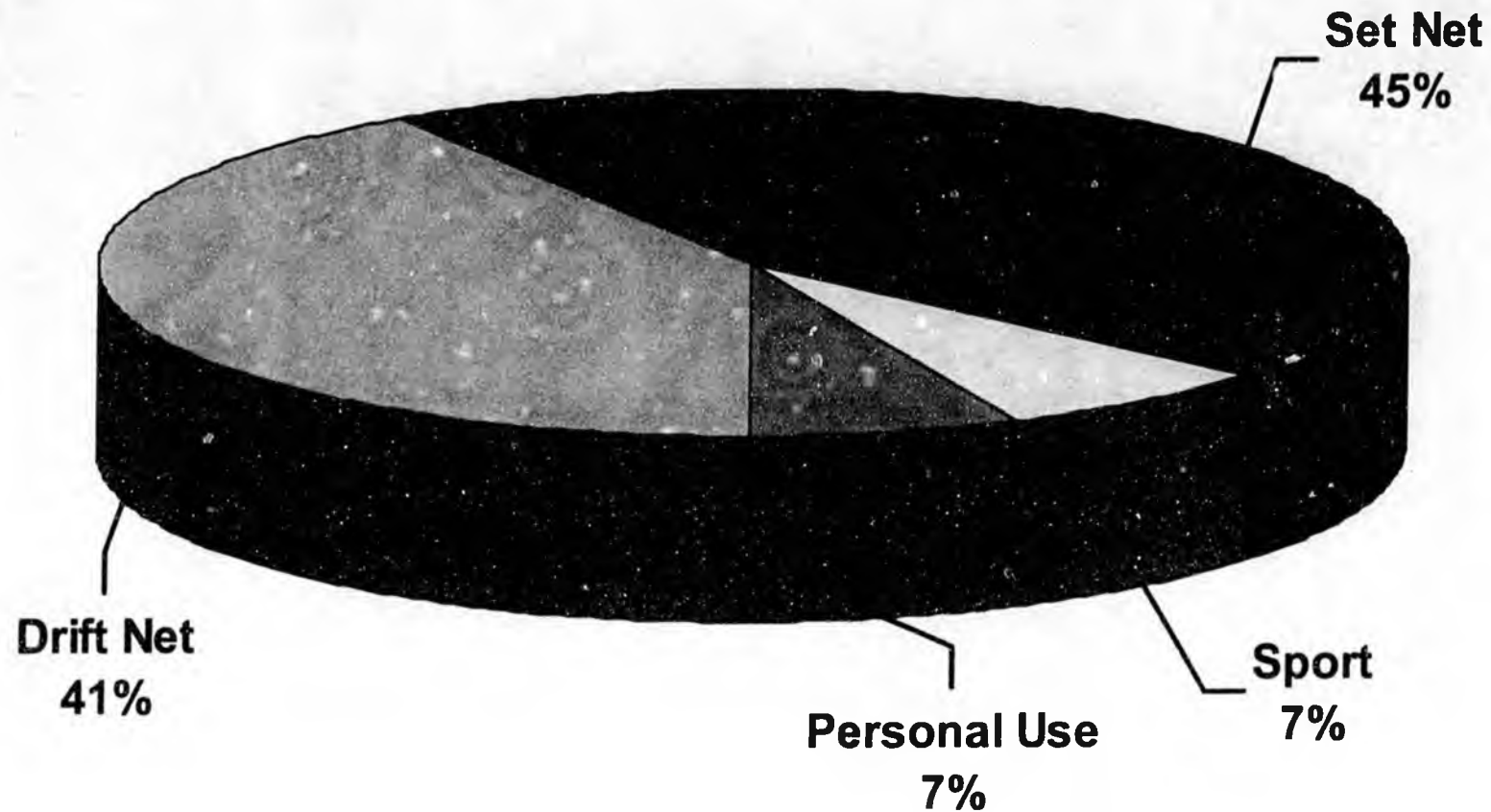
Harvest Effects



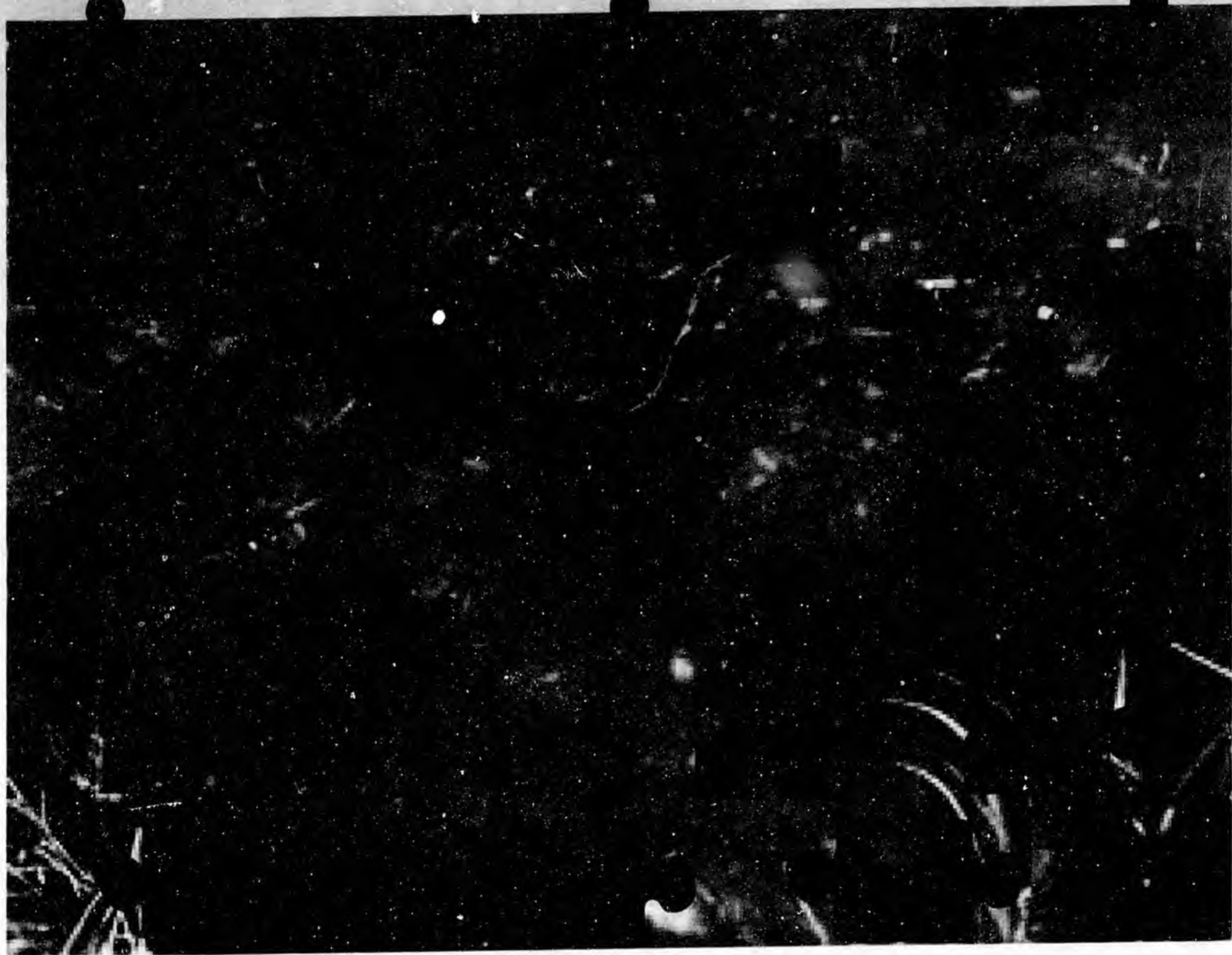
Escapement Impacts



Allocation Implications

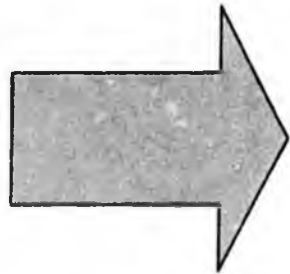


UCI Sockeye 2002-2006

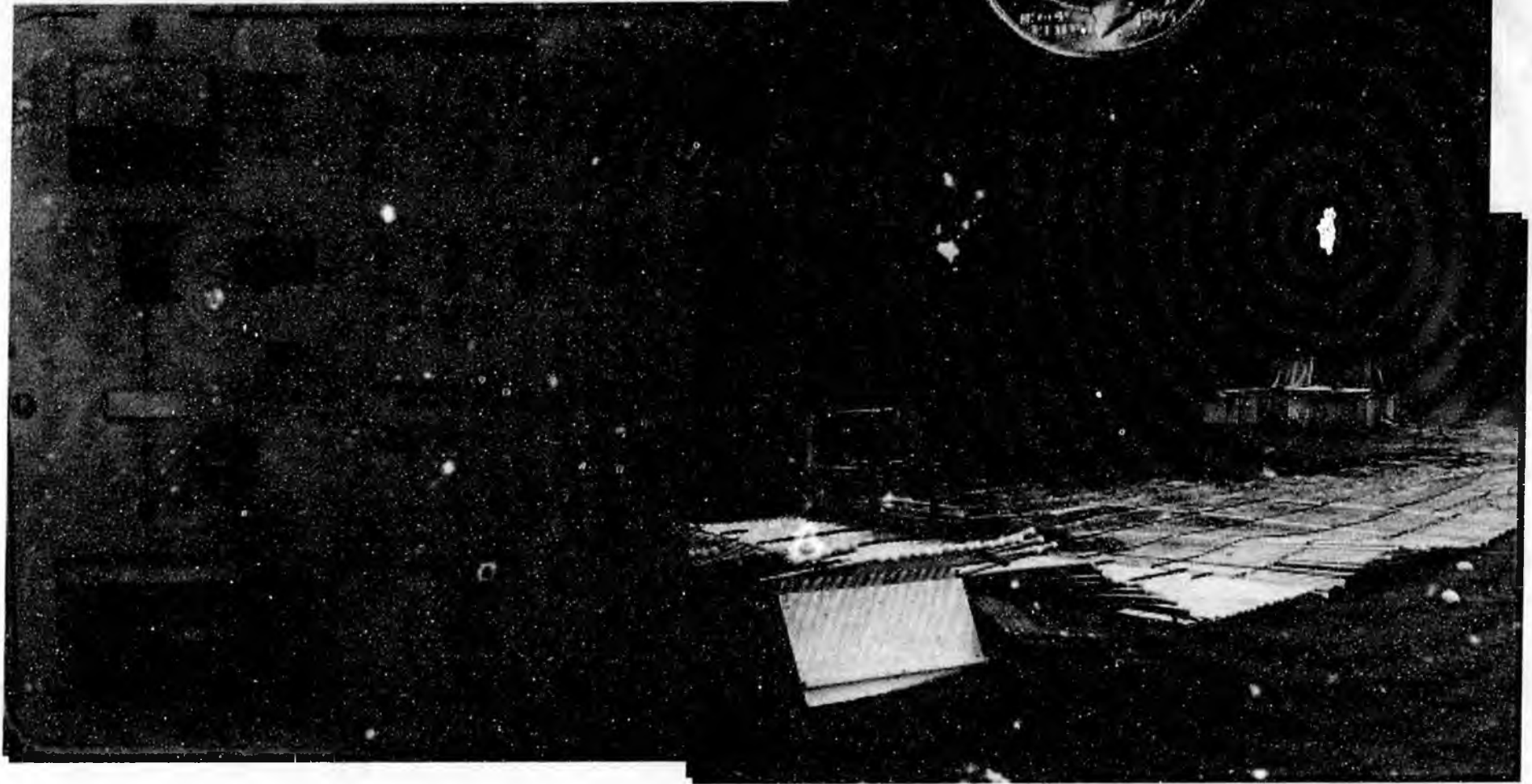


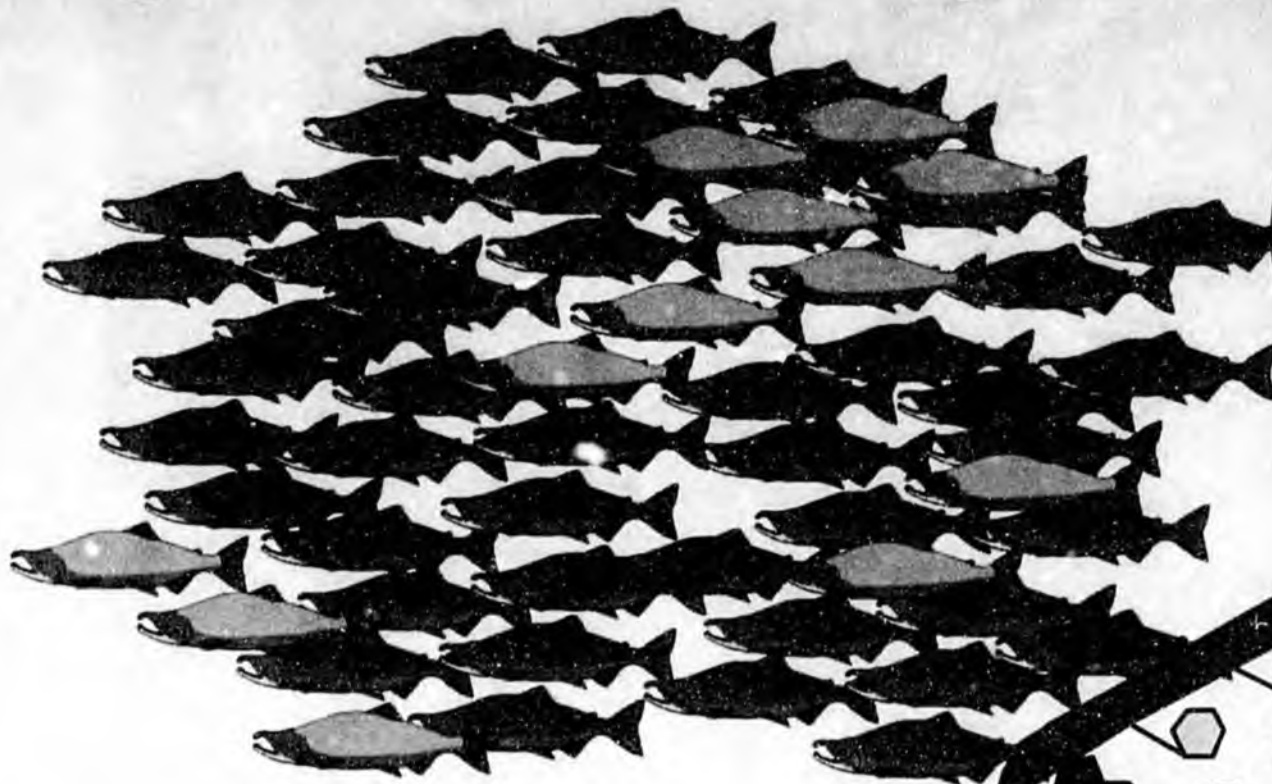
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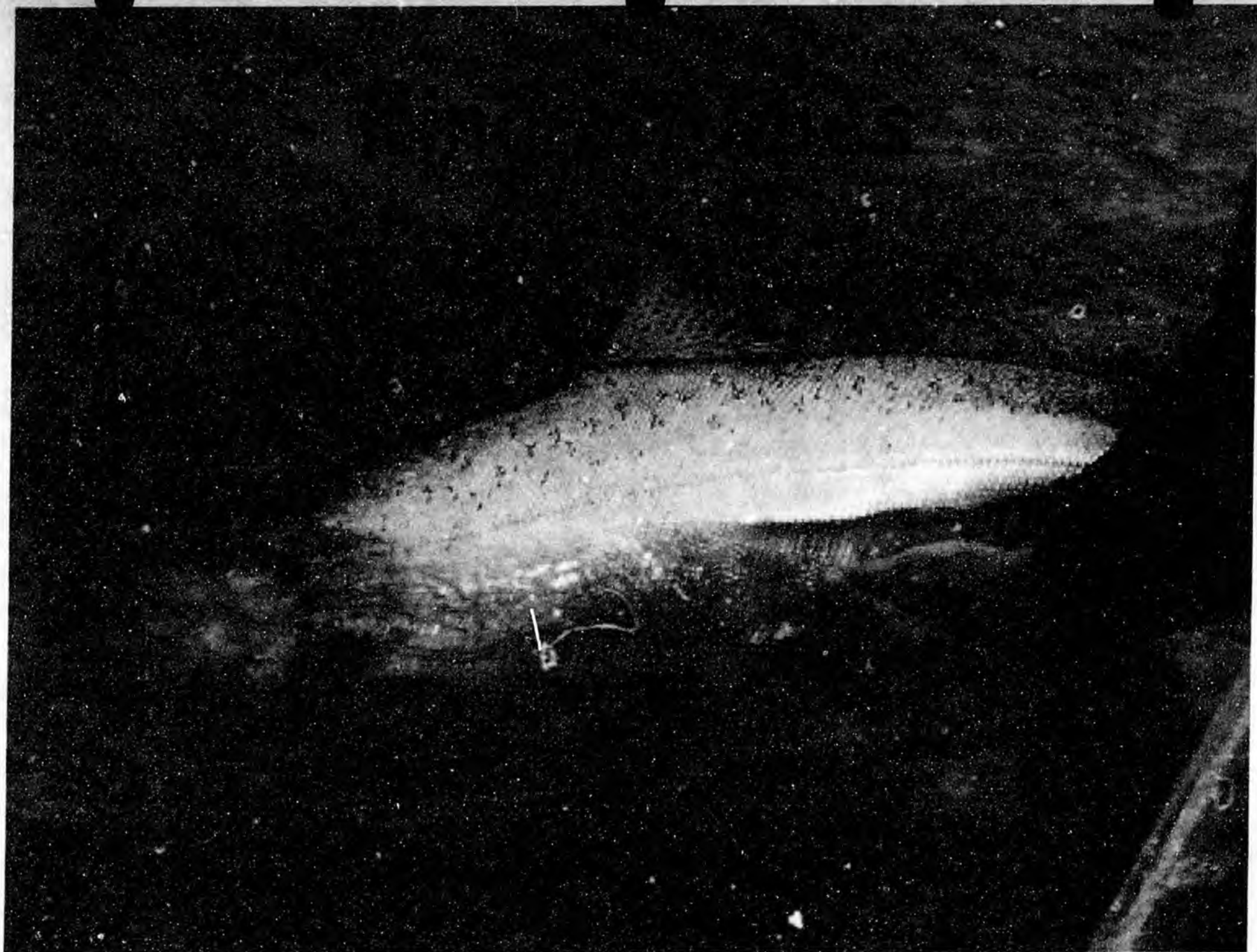


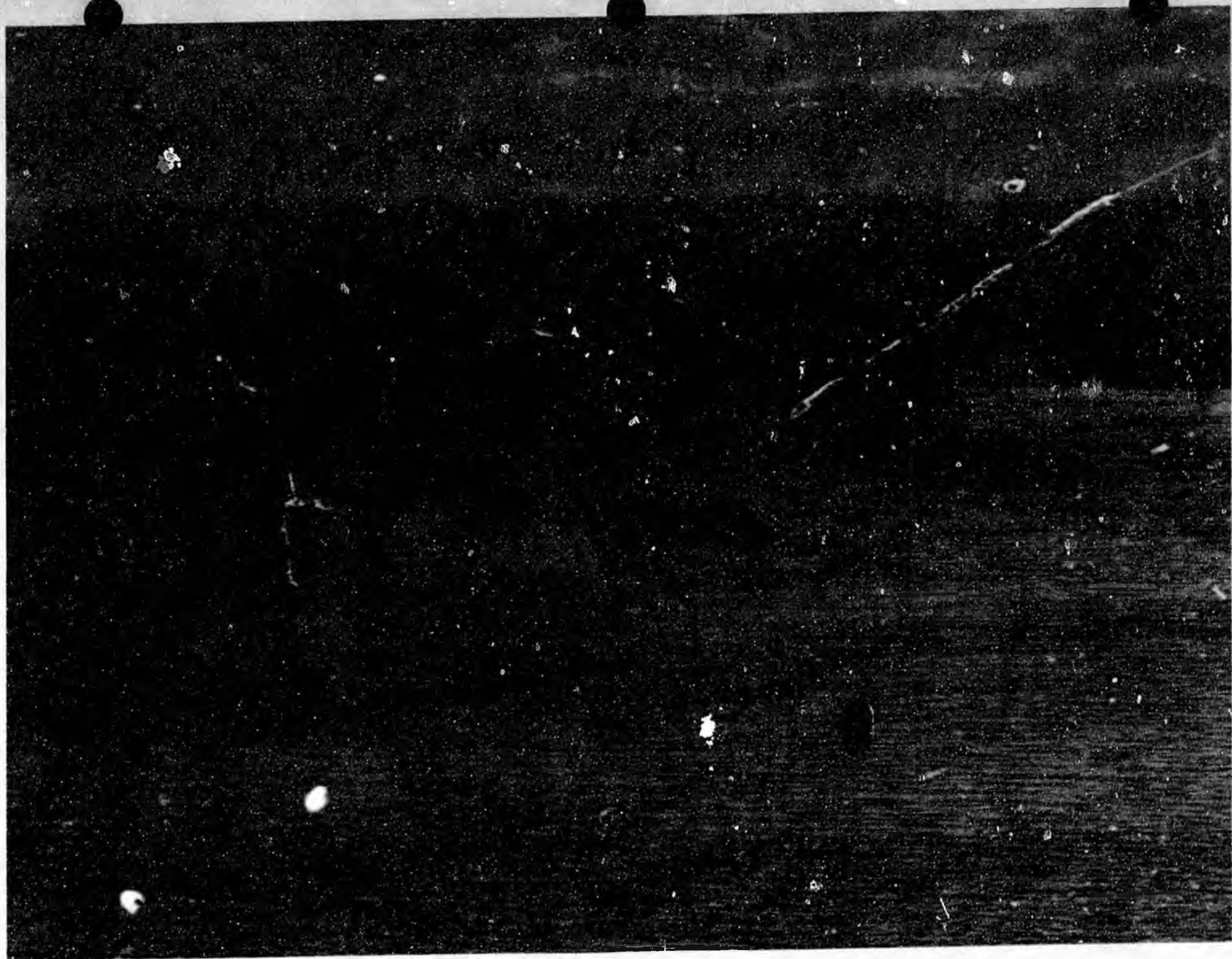
Escapement Accuracy Studies





**Genetic
Stock
Identification**





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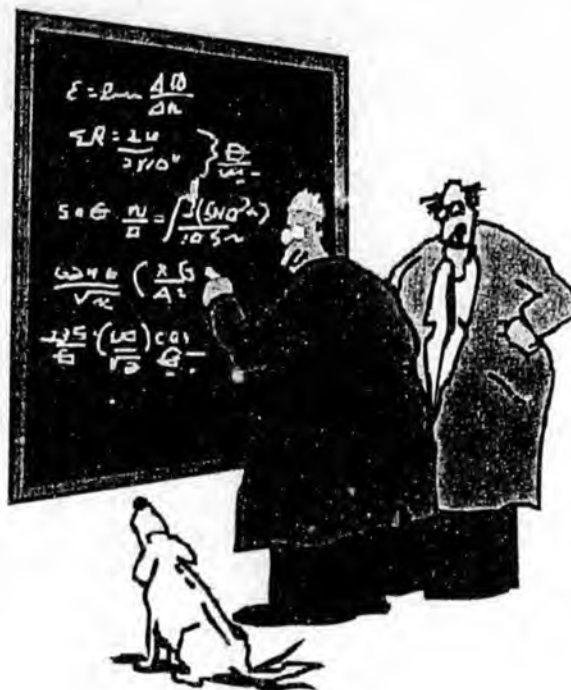
SIMPLIFYING ANALYSIS OF COMPLEX MANAGEMENT PLANS (ALL MODELS ARE WRONG BUT SOME ARE USEFUL)

What: Informational Presentation on a Simple Model for Analyzing Biological and Allocation Tradeoffs of Management Plan Alternatives

Who: Ray Beamesderfer, Senior Fisheries Scientist, Cramer Fish Sciences

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----- Original Message -----

From: Dwight Kramer

To: Gary Stevens ; Paul Seaton ; Tom Wagoner ; Sen. Charlie Huggins

Sent: Tuesday, January 22, 2008 6:15 PM

Subject: Joint Resource Committee Meeting

Gentlemen,

I just learned today that your committee is providing a joint hearing tomorrow regarding a model advocating the advantages of political windows commercial fisheries rather than scientifically based escapement goals management. Why your taking valuable time away from a short 90 day session to listen to a presentation that has never been peer reviewed, made public or reviewed by your own Department of Fish and Game to the general public is suspect of legislatures being in the hip pockets of powerful special interests enamored by the power and money KRSA has and is willing to spread around so

The upside of such a collapse caused by windows management tying the hands of the legislature will be a hell of a lot of Kings getting a free pass to the river. Getting the picture

We would urge you to cancel this inappropriate presentation until such a time as you have the time and context. In these kind of situations it is easy to get drawn in when there is no time available to refute the claims of the presenters. What do you have to gain by listening to this? You are just a little curious about the timing just two weeks before the BOF meeting. The committee should adhere to listening to good science which has been reviewed by the Fish and Game officials. It is our opinion that you are being used to gain credit for the BOF meeting on Feb. 1st.

Please accept this as constructive criticism of a process that has gone wrong. We are sorry about the committee members and perhaps leadership.

Regards,

Dwight Kramer
Chairman - KAFC



From: Ken & Connie Tarbox [tarbox@ptialaska.net]
Sent: Tuesday, January 22, 2008 7:17 PM
To: Sen. Charlie Huggins; Sen. Tom Wagoner; Rep. Paul Seaton; Sen. Gary Stevens; Dwight Kramer
Cc: Lloyd, Denby S (DFG)
Subject: Re: Joint Resource Committee Meeting

As a past ADF&G employee (Research Project Leader for UCI Commercial Fisheries Division 1980-2000) I will comment on the UCI model presentation to the joint resource/fisheries committees by a Kenai River Sport Fish consultant, scheduled for Weds.

Models can serve a purpose and I have helped develop them in UCI. However, models require assumptions and those assumptions can significantly impact the outcome or product of the model.

I have looked at run reconstruction issues in UCI and I am very skeptical that any model can do what KRSA did. For example, how one deals with migratory timing can significantly impact model results. I have attempted to do this and can assure you that there are no data to make precise estimates of travel times between the fisheries and within the fisheries. These estimates are critical to the precision and accuracy of the outcomes.

In addition, any model prepared to date cannot take into account the risk tolerance of the fishery manager who makes emergency order decisions. The area management biologist has much greater control via emergency order decisions than words in a management plan. Therefore to imply that a model can tell how allocations or escapement will be managed in a management plan is bogus.

In truth KRSA does not want local managers to make the decision. They have promoted a proposal at the upcoming Fisheries meeting to have escapement goals take a lower priority over closed fishing periods or other allocations. This is contrary to good fisheries management and Alaska's escapement goal management is foundational to what the State has had with fisheries management.

I strongly urge the legislature to reject the seductive nature of models until such time that those models are the result of technical experts, local biologist (both active and retired) and stakeholders in the UCI fisheries. This process should take months not days before a Board of Fisheries meeting.

The agenda of presenting this now is very clear to those of us in UCI who have watched KRSA over the years. The legislature to validate this model is one example. I implore you to cancel this meeting or at the least make no use of the usefulness or validity of this model. I can assure you that this model is flawed because of the assumptions of its development in UCI. Please do not be fooled by PowerPoint presentations and so called experts of KRSA.

Thank you,

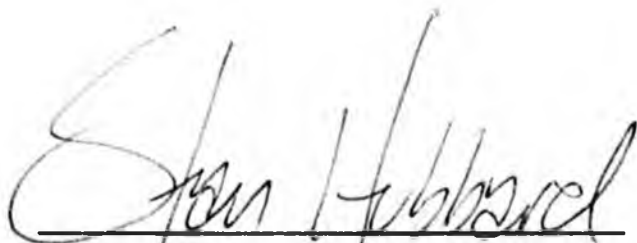
Ken Tarbox 



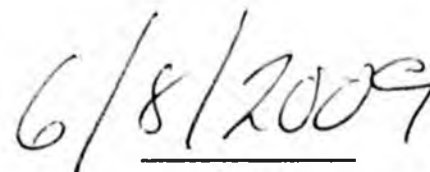
RECORDS CERTIFICATION



I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original documents after microfilm reproductions have been made.



Signature of Camera Operator



Date

2/25/08

**CONFIRM.:
BOARD OF
GAME**



Official Business

Alaska State Legislature

House of Representatives

Office of the Chief Clerk

State Capitol, Room 216
Juneau, AK 99801-1182
Phone: (907) 465-3725
Fax: (907) 465-5334

REFERRAL FOR CONFIRMATION

Date Referred: February 11, 2008

Committee: Resources

Board of Game

Mr. Craig L. Fleener – Fort Yukon

Appointed: 2/8/2008

Term Expires: 3/1/2011

Action Date: 02/25/08
(Same date as on the accompanying signature page)

Note: Attach to a signature page and return to the Chief Clerk's office.



Official Business

Alaska State Legislature

House of Representatives


Office of the Chief Clerk

State Capitol, Room 216
Juneau, AK 99801-1182
Phone: (907) 465-3725
Fax: (907) 465-5334

MEMORANDUM

Date: February 11, 2008

To: Representative Gatto, Chair
Representative Johnson, Chair
Resources Committee

From: Suzi Lowell 
Chief Clerk

Subject: Governor's Appointment(s)

The Speaker referred the following Governor's appointment(s) to the Resources Committee:

Board of Game

Mr. Craig L. Fleener – Fort Yukon

Appointed: 2/8/2008

Term Expires: 3/1/2011

Ms. Teresa Sager-Albaugh has been withdrawn from consideration an appointment to the Board of Game. Please remove her documentation and replace it with Mr. Fleener's.

The Referral for Confirmation page(s), resume(s), and signature page(s) are attached for your use.

Attachments as noted



Official Business

Alaska State Legislature

House of Representatives

Office of the Chief Clerk

State Capitol, Room 216
Juneau, AK 99801-1182
Phone: (907) 465-3725
Fax: (907) 465-5334

REFERRAL FOR CONFIRMATION

Date Referred: January 31, 2008

Committee: Resources

Board of Game

Mr. Lewis D. "Lew" Bradley - Palmer

Appointed: 1/28/2008

Term Expires: 3/1/2011

Action Date: 02/25/08
(Same date as on the accompanying signature page)

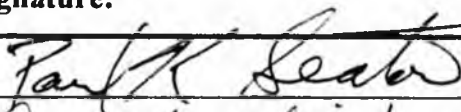
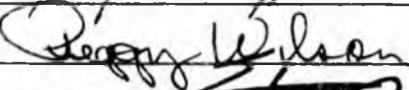
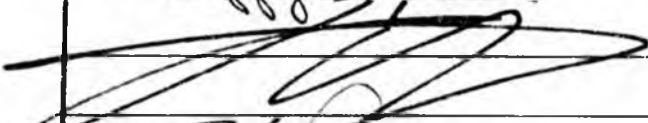

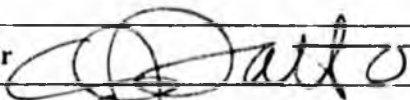
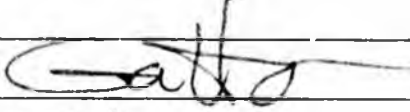
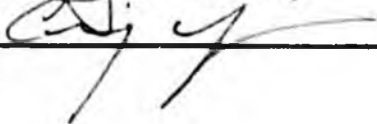
Note: Attach to a signature page and return to the Chief Clerk's office.

CONFIRMATION COMMITTEE REPORT

Action date: FEBRUARY 25, 2008

The **Resources Committee** has reviewed the qualifications of the following Governor's appointee(s) as shown on the attached Referral for Confirmation form(s) and recommends that the name(s) be forwarded to a joint session for consideration:

This does not reflect intent by any of the members to vote for or against this individual during any further sessions for the purposes of confirmation.

Signature:	Printed Last Name
	SEATON
Anna Fairclough	FAIRCLOUGH
Boyd Edgmon	EDGMON
	WILSON
	KAWASAKI
	Roses
Co-Chair 	
Co-Chair: 	Johnson

Please attach appointee Referral for Confirmation form(s) and return to the Chief Clerk's office.

February 8, 2008

Dear Frank:

Thank you for the opportunity to apply for a position on the Board of Game. I have attached a long-form resume that gives detail of my work, boards, and education over that past 20 + years.

I have served in the military for nearly 22 years. I served about 6 years active duty with the US Marine Corps and then the Alaska Air National Guard, and the remainder with the National Guard. I am currently an Intelligence Officer in the Alaska Air National Guard, stationed at Eielson Air Force Base Alaska.

I have many years experience in management on the civilian side of my career. Until 15 September I was the Executive Director of a non-profit organization that provides health care, education, and natural resources management in the Yukon Flats. I supervised up to 80 employees and managed a multi-million dollar annual budget. My responsibilities included budgeting, major construction oversight, natural resources and environmental research, and education program implementation.

Because I have spent the better part of 16 years with my most recent employer, and I grew through the ranks to the top position of Executive Director, I felt as if I was starting to stagnate professionally. Because of this I resigned on 15 September to finish an MSc in Wildlife Biology that I started in 1999 and to look for another challenging employment opportunity. My schooling was interrupted three times because of military service with the Alaska Air National Guard.

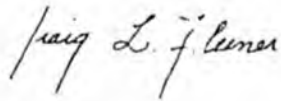
I have served on numerous natural resources and environment related boards and committees including the Eastern Interior Subsistence Federal Regional Advisory Committee, the National Academy of Sciences committee to develop a Research and Restoration Plan for Arctic-Yukon-Kuskokwim Salmon, and the International Union for the Conservation of Nature's Bison Specialist Group.

I have a BSc. In Natural Resources Management and am a thesis away from an MSc. in Wildlife Biology.

My telephone number is 1 (210) 788-0656. My e-mail is chizhun@hotmail.com.

Thank you for this opportunity to apply. I look forward to an interview.

Sincerely,



Craig L. Fleener

Work History

1986-Present-Military

1986-1990 US Marine Corps, Camp Lejeune, N.C., Kaneohe, HI

I Managed and reconciled 100 million-dollar brigade equipment list and Supervised 30+ Marines. I provided leadership, uniform, weapon, and knowledge inspection preparation, discipline, physical fitness training, mentoring, on-the-job training for incoming Marines, and on-going/refresher training for the seasoned Marines in my command. I also served as a .50 caliber machine gunner.

1991-1994 US Air Force Alaska Air National Guard, Eielson AFB, Alaska

I served as a Crew Chief on a KC-135 Aerial Refueler

I Serviced KC-135 E and R aircraft. Performing end-of-runway, postflight, preflight, thru-flight, and phase inspections. This involved maintaining intricate knowledge of maintenance and safety standards and attention to detail. I performed hot pit refuels, which involves running aircraft engines to facilitate quick aircraft refueling. I advised commanders and other maintainers on problems maintaining, servicing, and inspecting aircraft and related aerospace equipment. As one of the senior crew chiefs for m assigned aircraft, my recommendations were important and nearly always adopted. Most of my recommendations related to safety, and although difficult to measure, probably prevented lost hours due to injury, and added to productivity levels. I used technical data to diagnose and solve maintenance problems on aircraft systems. My analytical skills were well respected, enabling me to explain complex problems in simple terms that others could easily understand. I interpreted and advised on maintenance procedures and policies to repair aircraft and related equipment. I controlled and directed all scheduled and unscheduled maintenance on 9 permanently assigned and included up to 15 temporarily assigned aircraft.

1995-2001 US Air Force Alaska Air National Guard, Eielson AFB, Alaska

I served as a Maintenance Operations Center

I scheduled and coordinated maintenance activities. I oversaw maintenance management, inspections scheduling, maintenance repairs, sortie generation, supply management, refuel scheduling, and taxiway and runway access and management. I controlled and directed all scheduled and unscheduled maintenance on 9 permanently assigned and included up to 24 temporarily assigned aircraft. I controlled maintenance for all aircraft during high operations tempo exercises and real world scenarios. I was highly efficient in performing my tasks resulting in a higher than average mission capability rating for all aircraft, and improved efficiency of mechanics and specialists assigned to perform aircraft maintenance tasks. Because I organized maintenance meetings amongst maintenance leadership I learned valuable coordination, organization, presentation, and speaking skills.

2001-2005 US Air Force Alaska Air National Guard, Eielson AFB, Alaska

I served as a Maintenance Officer

I was responsible for aircraft maintenance program formulation, policy planning for employee work schedules, aircraft flying schedules, routine maintenance coordination, employee discipline, routine and major aircraft, facility, and organizational inspections, command and direction, supervision, production management, quality control, and direction of aircraft maintenance.

2005-2007 US Air Force Alaska Air National Guard, Eielson AFB, Alaska

I currently serve as an Air Force Intelligence Officer Rank: Captain

This is the equivalent of a civilian mid-to upper level manager position. I perform and manage intelligence functions and activities to support KC-135 R missions in Alaska and around the world. I conduct threat analysis to include vulnerability analysis, with particular emphasis on temporary duty assignment locations that we frequently deploy to. I conduct threat and technical briefing to commanders, aircrew, and battle-staff. This requires excellent writing, presentation, and speaking skills. While some routine briefings allow for several days to prepare, I typically am called on to analyze and disseminate foreign military threat information via secret stand-up briefings by using mapping, charting, and geodetic data applications on very tight timelines, many times within 2-3 hours. Additionally, I develop local intelligence policies and plans for intelligence training of aircrews and intelligence professional. These are typically derived from orders provided by higher headquarters and pre-developed operations plans. I also support human, signals, imagery, and measurement and signature types of intelligence. I provide staff supervision and technical advice. I plan and coordinate use of intelligence resources, programming, and budgeting. I support force employment planning, execution, and combat assessment. I am successful in my role as an intelligence officer because I have outstanding organizational skills-critical for consolidating analytical unconnected bits of information into coherent analysis, I have excellent analytical skills-I can see what many view as unrelated events and piece together problems thereby enabling good problem solving. I have outstanding research skills. I can find information that relates to supporting gaining knowledge and problem solving. I have a unique leadership style that enables me to work well with leadership and those I supervise. I always bring in the ideas of others in problem solving to maximize thought processes and minimize confusion. Finally, I am a leader in decision-making. I can and will make a decision when required.

The speaking skills that I have gained through 15+ years of public speaking on the numerous volunteer and elected bodies I have served on have served well in this capacity, as I am called on frequently to give ad hoc threat and situation briefings.

1991-2007-Civilian

1991-2007-Project Coordinator, Environmental Manager, Wildlife Biologist, Natural Resources Director, and Executive Director of the Council of Athabascan Tribal Governments (CATG)-Fort Yukon, Alaska- CATG is an Alaska Native tribally managed non-profit entity that provides Education, Natural Resources Management, Health Care, and Special Project management for ten tribes in 55,000 Mi² in the Eastern Interior of Alaska. This position required extensive travel to all the 10 villages in the Yukon Flats and to numerous outside communities.

I supervised a mix of up to 80 professional and support staff in this capacity, including; medical doctors, dentists, psychologists, nurses, physician's assistants, wildlife and fisheries biologists, environmental scientists, ecologists, financial managers, teachers, and others. My busy travel schedule allowed me to interact with professionals around the state, country, and world. Because of my role in managing a variety of professional staff types, I learned a great deal about interpersonal relationships and problem solving. I held bi-weekly senior staff meetings to ensure that each department was running smoothly and to incorporate ideas from the department heads for overall organizational improvement.

During my tenure and with staff support, I successfully negotiated for millions of dollars for numerous projects and programs for the Yukon Flats communities. Some of these successes include; A new 8 million dollar regional clinic in Fort Yukon-completed in 2007, several ½ million dollar village clinics, Annual funding from the Association for Native Americans, Denali Commission, Rasmussen Fund, Indian Health Services, and many other state, federal, and philanthropic entities. Additionally, I successfully negotiated the first ever annual funding,

agreement between a tribe and the US Fish & Wildlife Service for the tribes in the Yukon Flats to assume some management responsibilities within the Yukon Flats National Wildlife Refuge. I also successfully negotiated the first ever annual funding agreement between a tribe and the Bureau of Land Management for tribes to assume some management responsibilities related to fire suppression in the Yukon Flats.

1991-1993 50 Hrs/Week Average

Project Coordinator managing a project that focused cataloging and GIS mapping of on human uses of wild resources. This project helped to establish hunting and fishing rights and establish hunting and fishing priorities amongst Alaska Natives. This project was successful because of my tenacity in ensuring full participation of communities. In many communities we received 100% coverage of household hunters. This project became the model for all other similar projects in Alaska and in parts of Canada. Because of my successes I was asked to travel and shared this model with indigenous communities and government agencies throughout the arctic. The travel and collaboration associated with this project put me in contact with many community and agency leaders and was my first introduction to several networks that I would become a permanent part of.

1993-1996 50 Hrs/Week Average

Regional Environmental Manager with a focus on monitoring and mitigating air, soil, and water quality in a 55,000 mi square region of Eastern Interior Alaska. I developed a regional environmental monitoring and Poly-Chlorinated Bi-phenol (PCB) removal and mitigation network that spread to numerous communities in Canada, Russia, and Scandinavia. I learned a great deal about the toxicity problems facing rural Alaska, their causes, and difficulties of mitigation. My professional standing, experience gained through this job, and position as a rural indigenous environmental professional has provided me a unique perspective that has been valuable in supporting US Environmental Protection efforts in Alaska and efforts supported by the eight arctic nations.

1996-2005 60 Hrs/Week Average

Regional Wildlife Biologist in the 55,000 mi square region of the Yukon Flats in Eastern Interior Alaska. I conducted annual moose and wolf surveys, monitored waterfowl and songbird populations, conducted whitefish, salmon, and other fish surveys and restoration projects, and conducted a variety of vegetation surveys. I developed and conducted hunter opinion and participation surveys that assisted in the development of regional and statewide hunting a fishing regulation and management. My participation in regional and statewide hunting and fisheries management has been extensive. It involved membership and chairmanship of the Eastern Interior Regional Advisory Council (RAC) for over ten years. I was often told that I ran very efficient, respectful, and successful council meetings. I often represented the RAC during the bi-annual Federal Subsistence Meetings. My participation was valued by the board. I developed leadership skills and made valuable connections through my active participation. I also participated in the state Boards of Game and Fish processes. This provided me the opportunity to meet many people within the region, and enabled me to build a trust relationship with community members and tribal councils-critical for this type of work.

I lead and participated in restoration efforts for endangered bison in Alaska. I have worked cooperatively with the Alaska Department of Fish & Game since 1993 to reintroduce the endangered (non-existent in Alaska) wood bison back into the Yukon Flats. This has involved supporting and participating in bison management in the Northwest Territories, Canada, publishing on restoration of bison, gaining knowledge of the National Environmental Policy Act and environmental assessments. I assisted in the development of a vegetation assessment and

wood bison reintroduction plan for the Yukon Flats. Because of the experience I gained working on this project, I was asked by staff at Banff National Park in Alberta-British Columbia to develop a bison reintroduction and public planning strategy when they considered reintroducing bison in 1999-2000. The document was used in park planning. Additionally, I conducted numerous interviews with Athabascan elders on their knowledge of bison in Alaska. This information has been critical in determining that bison are part of the natural diversity of Alaska, and identifying the best reintroduction sites.

I participated in state and federal wildlife, fisheries, and waterfowl hunting regulation development at the advisory council level. I flew many hours for at least ten years as a passenger in a variety of small survey aircraft to accomplish bear, moose, and wolf surveys. I assisted in the design and implementation of survey techniques in accordance with sound wildlife management principles. I participated in aerial waterfowl surveys. I designed and conducted songbird and upland bird surveys to determine relative abundance, species, and distribution.

2005-2007 60 Hrs/Week Average

Executive Director of the Council of Athabascan Tribal Governments (CATG) in Fort Yukon Alaska. CATG is an Alaska Native tribally managed non-profit entity that is distributed throughout ten extremely remote communities and provides Education, Natural Resources Management, Health Care, and Special Project management for ten tribes in 55,000 Mi² in the Eastern Interior of Alaska.

I directed an Early Headstart program-that serves 6 communities in our region, adult Vocational Education program-that serves our ten communities and because of our unique accreditation supports dozens of other communities throughout Alaska; The work I did included; Tutoring-by supporting high school and college students with educational support; And a High School Alternative Education program-that seeks to create a unique alternative education opportunity by focusing on math, science, and writing through the development of research based education during the students four year high school tenure.

I directed the Fisheries Management program-that works with communities and state, federal, and international parties in salmon, whitefish, and spawning grounds research and management. I also directed the Wildlife Management Program-this involved; conducting harvest data surveys with every household (about 400) in the Yukon Flats, flying moose, wolf and other population surveys, furbearer management, and population management, which included analyzing bear & moose population ratios. We determined that the bear population was approximately double the moose population. Additionally, the FWS determined that bears kill about 75-90% of the newborn moose calves each year. Information from this research enabled us to recommend wildlife management strategies to conserve the decreasing moose population;

Endangered Species-by supporting efforts to reintroduce wood bison and peregrine falcon into the Yukon Flats;

I analyzed Alternative Energy feasibility-by researching energy options to be used in rural communities that are plagued by extremely expensive energy and frequent shortages. We are currently researching option to turn locally grown forest resources into gas or liquid fuel to power electrical generation within communities;

I developed and Oil and Gas management program-this enabled natural resources staff to conduct environmental research on the potential impacts of regional oil and gas development and

identifying the potential costs and benefits of oil and gas development within this resource rich area;

And, I managed Environmental programs-that focus on air, water, soil, and food quality and safety.

I directed healthcare management in our regional clinic and at 6 remote community clinics; Dental services-I supervised one dentist and support staff that provides dental care throughout the region, psychiatric services;

I supervised clinical support and was instrumental in pioneering the use of tele-psychiatry within the state of Alaska by expanding mental health care to rural communities;

Medical services-by overseeing and expanding MD, nursing, and physician assistant services throughout the region, and emergency services;

I developed and managed an aero-medivac and medical aero-transportation service throughout the region that enabled us to bring care to patients with emergencies or take patients to equipped facilities. We are just finishing the construction of a new regional clinic facility in Fort Yukon that will serve as the hub for health care in the region. Although I did not specialize in health care delivery, I attended several courses to better understand health care management principles. Because of my existing experience and knowledge gained from coursework, I learned to manage and develop programs that better served the needs of the Yukon Flats communities.

Many of my responsibilities were in the development of partnerships with state, federal, and international land & resource, health, and education management agencies. I also negotiated numerous cooperative projects with the, State of Alaska, US Fish and Wildlife Service, Departments of Education, US State Department, Environmental Protection Agency, and other agencies. I have been instrumental in negotiating contracts with the Department of Interior, US Fish & Wildlife Service and Bureau of Land Management to assume management responsibilities within our region.

I successfully applied for, negotiated, received, and managed in excess of 7-14 million dollars annually from state, federal, oil and gas companies and philanthropic organizations to support our projects. I ensured annual financial and programmatic audits, and we have received a clean audit every year of my management.

I have served for four years on the Gwich'in Council International. I am currently the chairman, as a permanent participant of the Arctic Council. The Arctic Council is an international body represented by the Department's of Foreign Affairs (State Department-US) for each of the eight arctic nations. We identify problems and create solutions for pollution, international shipping, natural resource development, human dimensions issues, indigenous peoples' concerns, and climate change for the entire arctic region. I have individually contributed with information regarding rapid environmental and ecological changes in the Yukon Flats, project methodology for removing PCB bearing transformers from remote indigenous communities in partnership with indigenous leaders in Canada and Russia, and ongoing support for more input from the Arctic's indigenous peoples'. I have been requested numerous times around the country, Canada, other Arctic countries, and in Europe to speak about the impacts of climate change on indigenous people's.

I received an unsolicited request by the previous Commissioner of Fish & Game to serve as a Director of one of their divisions. Although I was flattered, I did not accept because I wanted to complete a number of projects in the Yukon Flats before I moved on. I was also on the short list as a possible chairman of the Federal Subsistence Board. Most recently, I was asked to participate as a committee member for the State of Alaska on their Committee on Federal Lands. This illustrates my statewide reputation for excellence, competence, knowledge, fairness, and leadership in a wide variety of issues important to Alaskans.

Education

1999-2001 MSc. Resources & Environment Program University of Calgary Alberta, Canada
Military Activation Break Current G.P.A. 3.75
Thesis: Managing Chronically Low Moose Populations on the Yukon Flats in Eastern Interior Alaska: Exploring Alternate Approaches.

1993-1999 BSc. Natural Resources Management University of Alaska Fairbanks Fairbanks, AK
Graduated Summa Cum Laude G.P.A. 3.60.
Thesis: Recent Ecological Changes in the Yukon Flats Based on Oral Histories and Written Records.

Boards and Committees

I currently serve (2003-present) as Chair for the Gwich'in Council International which is a permanent participant to the Arctic Council.

I currently serve (2004-present) as a board member on the Alaska Native Health Board guiding health care delivery and fund distribution within the Alaska Native health care delivery network.

I currently serve (2001-present) as a board member for the U.N. International Union for the Conservation of Nature Bison Subcommittee working towards the conservation and restoration of bison herds worldwide.

I currently serve (2006-present) as a board member on the U.S. Public Policy Committee with the Arctic Research Consortium of the United States.

I served for 9 years as Chairman of the Eastern Interior Regional Federal Subsistence Advisory Council.

I served on a multidisciplinary National Academy of Sciences committee to assist in the development of a long-range Western Alaska Salmon Research and Restoration Plan.

I served as deputy Mayor in Fort Yukon for two years.

Publications

Fleener, C.L. 1994. Suitability of the Yukon Flats as Wood Bison Range. Research Paper, Rural Development 293. University of Alaska-Fairbanks. 11 pp.

Fleener, C.L. 1996. Moose Hunting Interview Project. Independent Study. Natural Resource Management, University of Alaska-Fairbanks. 6 pp.

Fleener, C.L. 1997. A Study of Recent Environmental Changes in the Yukon Flats, Alaska, Based on Oral History, Climate Records, and Tree-Ring Data. Senior Thesis. School of Agriculture and Land Resources Management. University of Alaska Fairbanks. 29 pp.

Fleener, C.L. and R.O. Stephenson. 1997. Wood Bison in Alaska and Adjacent Canada: historic accounts from Native Elders and a review of radiometric data. Abstract and slide presentation at International Symposium on Bison Ecology and Management in North America. June 4-7, 1997. Montana State University, Bozeman, Montana.

Stephenson, R.O. and C.L. Fleener. 1998. Biopolitical Perspectives on a Proposed Wood Bison Reintroduction to Alaska. International Symposium on Bison Ecology and Management in North America. Eds. L. Irby and J. Knight, Montana State University, Bozeman, Montana. 395 pp.

Fleener, C. L., J. McKillop, A. Mendoza, T. Musk, and S. Stevens. 2000. Strategic Plan for the Reintroduction of Plains Bison to Banff National Park. A cooperative project between Banff National Park and the Faculty of Environmental Design, University of Calgary, Calgary, Alberta. 22 pp.

Brown, R.J. and C.L. Fleener. 2001. Beaver Dam Influence on Fish Distribution in Lentic and Lotic Habitats in the Black River Drainage, Alaska. 43 pp.

Andersen, D.B. and C.L. Fleener. 2001. Whitefish and Beaver Ecology of the Yukon Flats, Alaska. Alaska Department of Fish & Game. Report No. FIS00-06. 75 pp.

National Research Council. 2004. Developing a Research and Restoration Plan for Arctic-Yukon-Kuskokwim (Western Alaska) Salmon. National Academies Press, Washington, D.C.

Fleener, C., Gofman, V., Peskov, V., Retter, G-B., Torikka-Gelencsér, R., 2004. Community-based Monitoring – a discussion paper. Supporting publication to the CAFF. Circumpolar Biodiversity Monitoring Program – Framework Document. CAFF CBMP Report No. 9, CAFF International Secretariat, Akureyri, Iceland, 21 pp.

Tanana Chiefs Conference

Chief Peter John Tribal Building

129 First Avenue, Suite 600

Fairbanks, Alaska 99701-4897

(907) 459-8251 Fax: (907) 459-3850

UPPER KUSKOKWIM

- UPPER KUSKOKWIM
- McGroin
- Medford
- Nikolai
- Talkeetna
- Tekla

February 12, 2008

The Honorable Sarah Palin
 Governor of State of Alaska
 P.O. Box 110001
 Juneau, AK 99811-0001

Telefax: (907) 465-3532

LOWER YUKON

- Arvik
- Chitina
- High Cross
- St. Ignace

Dear Governor Palin;

It is with great pleasure that I am able to offer Tanana Chiefs Conference's support for the appointment of Mr. Craig Fleener to the State of Alaska's Board of Game.

UPPER TANANA

- Uot Lake
- Eagle
- Hoody Lake
- Northway
- Tanacross
- Tellu
- Tuk

Through hard work and dedication, Mr. Fleener has shown his commitment to the preservation of the subsistence way of life in his, as well as other areas of the state. His participation and Chairmanship of the Eastern Interior Regional Advisory Council has shown his strengths in understanding the complexity of the various fish and game regulations and issues facing rural Alaskans. His ability to be fair and impartial when dealing with conflicting issues, as well as his dealings with the public, was exemplified while serving as Chairman of the Council; Mr. Fleener showed remarkable skill in managing and conducting the meetings in a fair and impartial manner.

YUKON PLATEAU

- Arctic Village
- Beaver
- High Creek
- Canyon Village
- Chitina
- Circle
- Fort Yukon
- Verona

Mr. Fleener has also shown considerable understanding and comprehension of the myriad amount of Fish and Game regulations facing resource users in Alaska. With Mr. Fleener's educational background, even the most complex regulations and issues are easily understood with any far reaching implications or problems fully realized and evaluated. While being from the Interior, TCC is convinced that Mr. Fleener is fully capable and qualified to address any issue that may come before him as a Board member from any region of the State of Alaska in a fair and impartial manner.

YUKON

- KOYUKUK
- Galena
- Hulla
- Katag
- Koyukuk
- Nuclio
- Ruby

It is with this in mind that TCC is pleased to offer its support for the appointment of Mr. Craig Fleener to the State of Alaska Board of Game.

YUKON TANANA

- Aldona
- Atkasook
- Evansville
- Falloon
- Hughes
- Lake
- Minchumina
- Manley Hot Springs
- Minto
- Ninana
- Rampart
- Stevens Village
- Tennant

Sincerely,

TANANA CHIEFS CONFERENCE

XC: Senator Lyman Hoffman fax (907) 465-4523
 Senator Albert Kookesh fax (907) 465-2827
 Senator Donald Olson fax (907) 465-4821
 Representative Wixellie Salmon fax (907) 465-2197



COUNCIL OF ATHABASCAN TRIBAL GOVERNMENTS

P.O. Box 33
Fort Yukon, AK 99740
907-662-2587
fax 907-662-3333

February 18, 2008

The Honorable Sarah Palin
Governor of State of Alaska
Juneau, Alaska 99811

Dear Governor Palin:

The Council of Athabascan Tribal Governments supports your appointment of Mr. Craig Fleener to the State of Alaska's Board of Game. We feel his experience in wildlife management in rural Alaska will be invaluable as the State encounters the myriad of regulatory challenges it faces.

Mr. Fleener has worked in natural resource management capacities in the vast Yukon Flats area of interior Alaska for over a decade. He's served CATG, the region, the State of Alaska and its people as a wildlife biologist, environmental manager, and CATG's top executive. These experiences afford Mr. Fleener the qualifications and expertise to serve the State of Alaska well.

It is also beneficial that Mr. Fleener has served the Eastern Interior Regional Subsistence Advisory Council for ten plus years, not only as a Council member but as the council's Chairman. He has shown remarkable skill and ability in helping the Council address the complex issues it faced.

We feel Mr. Fleener is fully capable and qualified to serve on the BOG and will bring balance to the Board that is sorely missing.

Thank you for your time and, more importantly, your consideration of rural Alaska.

Sincerely,

Ben Stevens
Executive Director
Council of Athabascan Tribal Governments

cc: Senate Resources Committee Co Chairs: Senator Huggins & Senator Stedman
House Resources Committee Co Chairs: Rep. Gatto & Rep. Johnson

Resume of:

Lewis D. Bradley
 8200 E. Duchess Dr.
 Palmer, AK 99645
 (907)745-4544
lcbradlevak@gci.net

Alaska has been our home for over 35 years. I have enjoyed the Last Frontier lifestyle of hunting, fishing and working hard. I want the same opportunities for my grandkids and all Alaskans. This is a great state with lots of opportunity. Prudent management of its natural resources to provide fair and equitable use on a sustainable level is wise, desirable and our responsibility to future generations. No one person knows it all. We are all Alaskans and need to work together using knowledge and experience to make wise decisions to maintain or restore abundance of fish and wildlife in Alaska. It is my desire to be involved in the direction Alaska takes regarding the use of its fish and game in the years ahead. Should I be given the opportunity to serve on the State of Alaska's Fish and Game Board, I would consider it an honor and commit the time and hard work necessary to be informed on issues and make decisions based on fairness and with an open mind, listening to all sides. I have to live with my conscience and can only promise to be honest.

HISTORY:

Born October 7, 1945

Grew up in a Logging Camp on the McKenzie River in the Cascade Mountains of Oregon

1964 - Graduated from McKenzie High School

Major High School Achievements:

Student Body President 1963-64

Athlete of the Year 1964

Baseball State Champions 1963

All-State Catcher 1963 & 1964

Four Year Letterman in Football, Basketball & Baseball

1965 - Married high school sweetheart and currently working on 43 years of marriage. We raised two children here in Alaska; a son, Travis and a daughter, Holly.

Military Service - US Army 1967 - 1970 Airborne

Stationed at Fort Richardson, AK with 172nd Inf. Bde. 1968 - 1970

Honorable Discharge as Specialist E-5

1972 - Graduated from University of Oregon with a BS Degree and Major in Phys. Ed. K-12

1973 - Graduated from University of Oregon with a 2nd BS Degree and Major in Elem. Ed. K-8

Post Graduate Education - 75 hours in a wide variety of subjects

1973-1975 Third Grade Teacher for Mat-Su Borough School District

1975-1999 Physical Education Teacher and Coach for Mat-Su Borough School District

Head Basketball Coach for Wasilla Middle School - 26 Years

Head Wrestling Coach for Wasilla Middle School - 23 Years

Head Gymnastics Coach for Wasilla Middle School - 17 Years

Head Track Coach for Wasilla Middle School - 22 years

1975 - Co-Founded with Reid Smith Wasilla's Little Dribblers Basketball which is now called Valley Youth Basketball

1976 - Founded Wasilla Middle School's Fundraising Community Service Rummage Sale which raised more than \$65,000. over the years for purchasing equipment for the sports programs

1990 - Founded Alaska Basketball Camp, which I currently direct and coach 3 camps yearly

Hobbies: Carving antlers, horns & bone

Searching for antler drops & horns from winter killed rams for carving projects

Hunting & Fishing

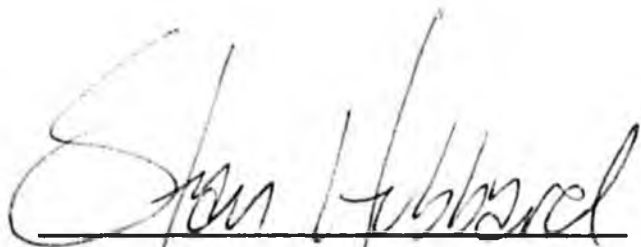
Exercising so I can eat what I want and continue to hunt and fish, which I love!



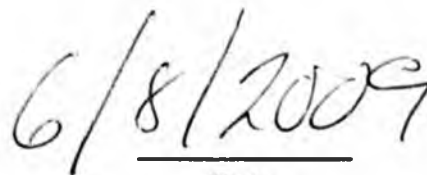
RECORDS CERTIFICATION



I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original documents after microfilm reproductions have been made.



Signature of Camera Operator



Date

3/5/08

PRESENT.:

MINING

INDUSTRY

**Annual Mining Industry
Briefing
Joint Senate/House Resources
Committees**

March 5, 2008



Today's Agenda

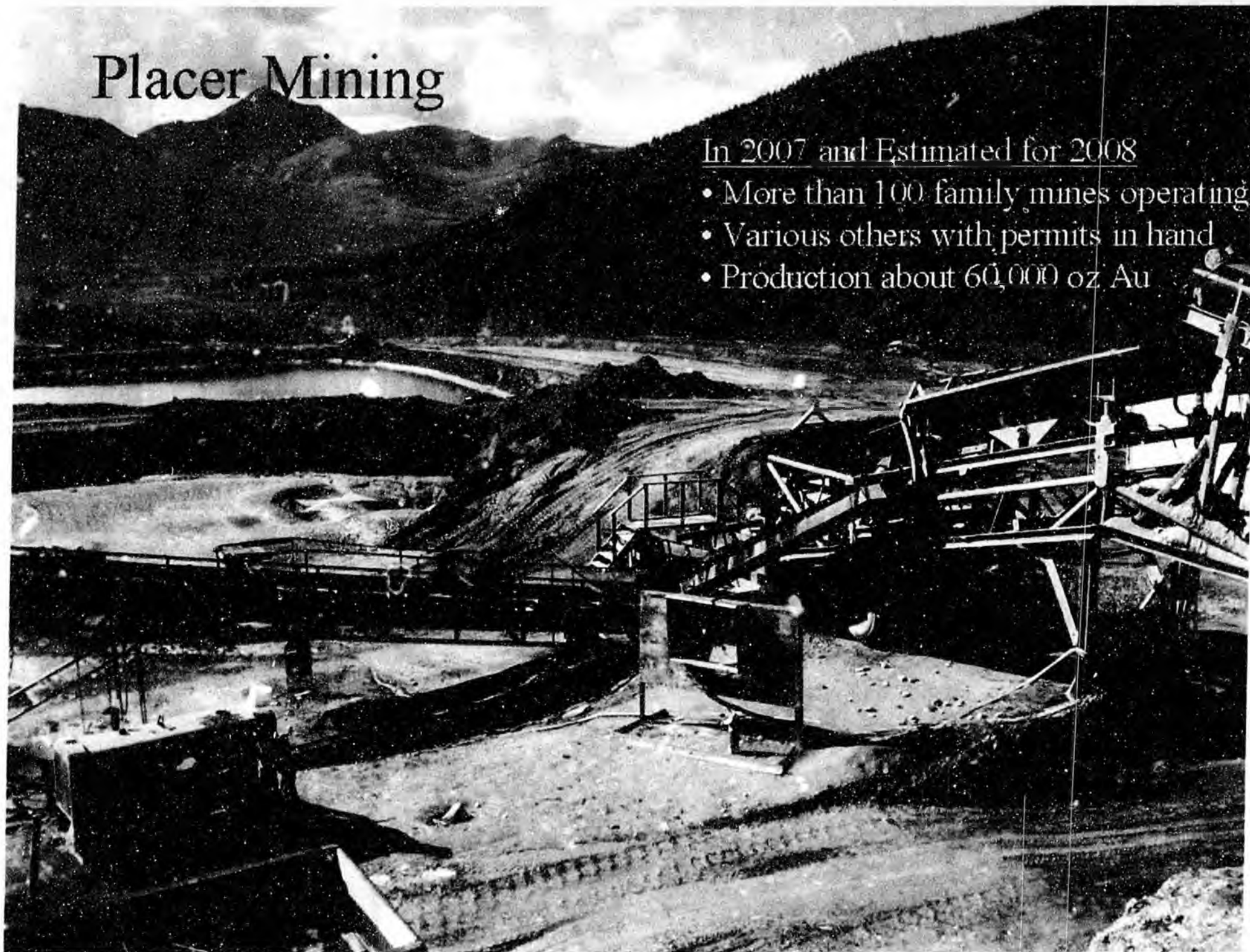
- Review of Major Mines and Projects
 - Steve Borell, Alaska Miners Association
- Economic Impacts of Alaska's Mining Industry
 - Jim Calvin, McDowell Group



Placer Mining

In 2007 and Estimated for 2008

- More than 100 family mines operating
- Various others with permits in hand
- Production about 60,000 oz Au





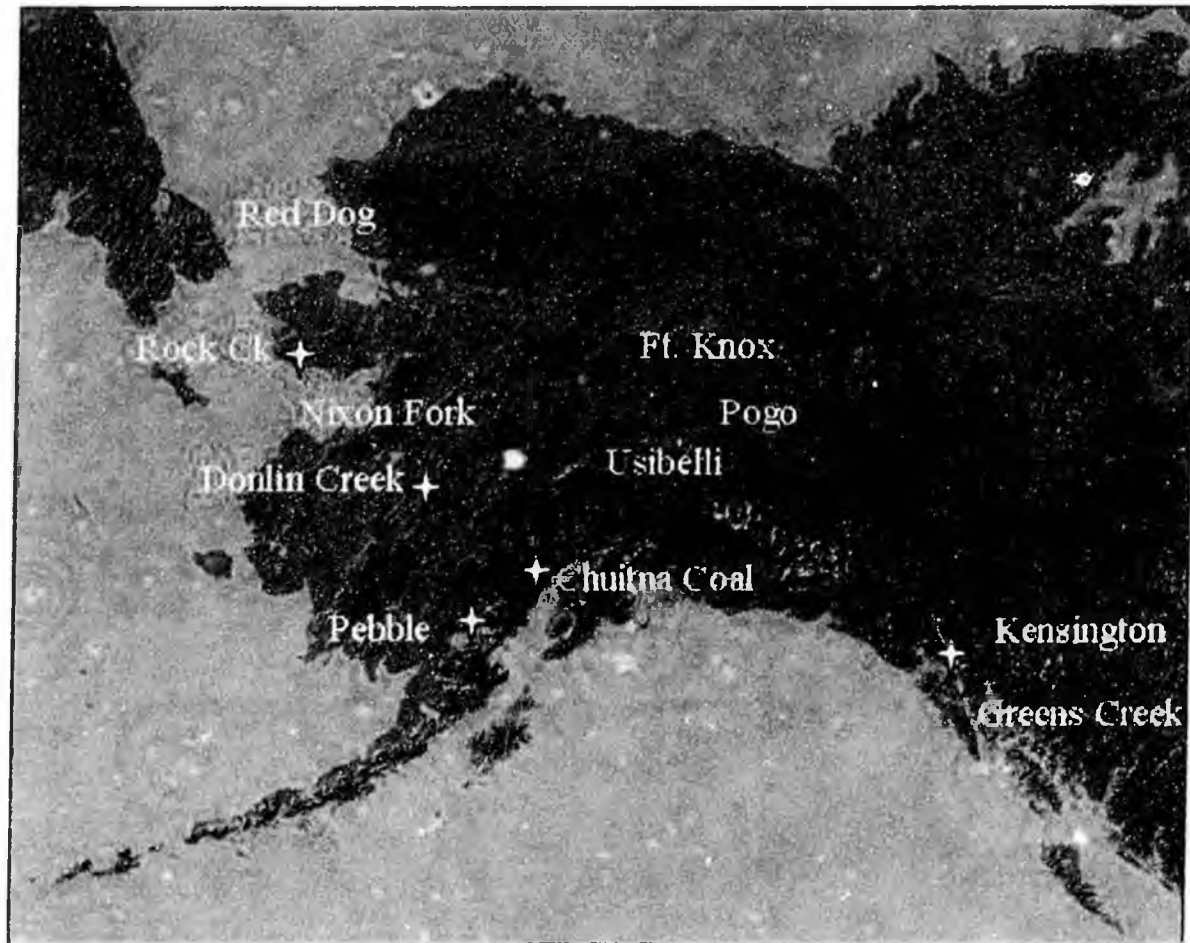
Bucket Ladder Dredge operating in 2007



Alaska Major Mines and Projects

★ Producing mine

✦ Developing and major exploration projects



0 100 200 300 400 500 kilometers
0 100 200 300 400 500 statute miles

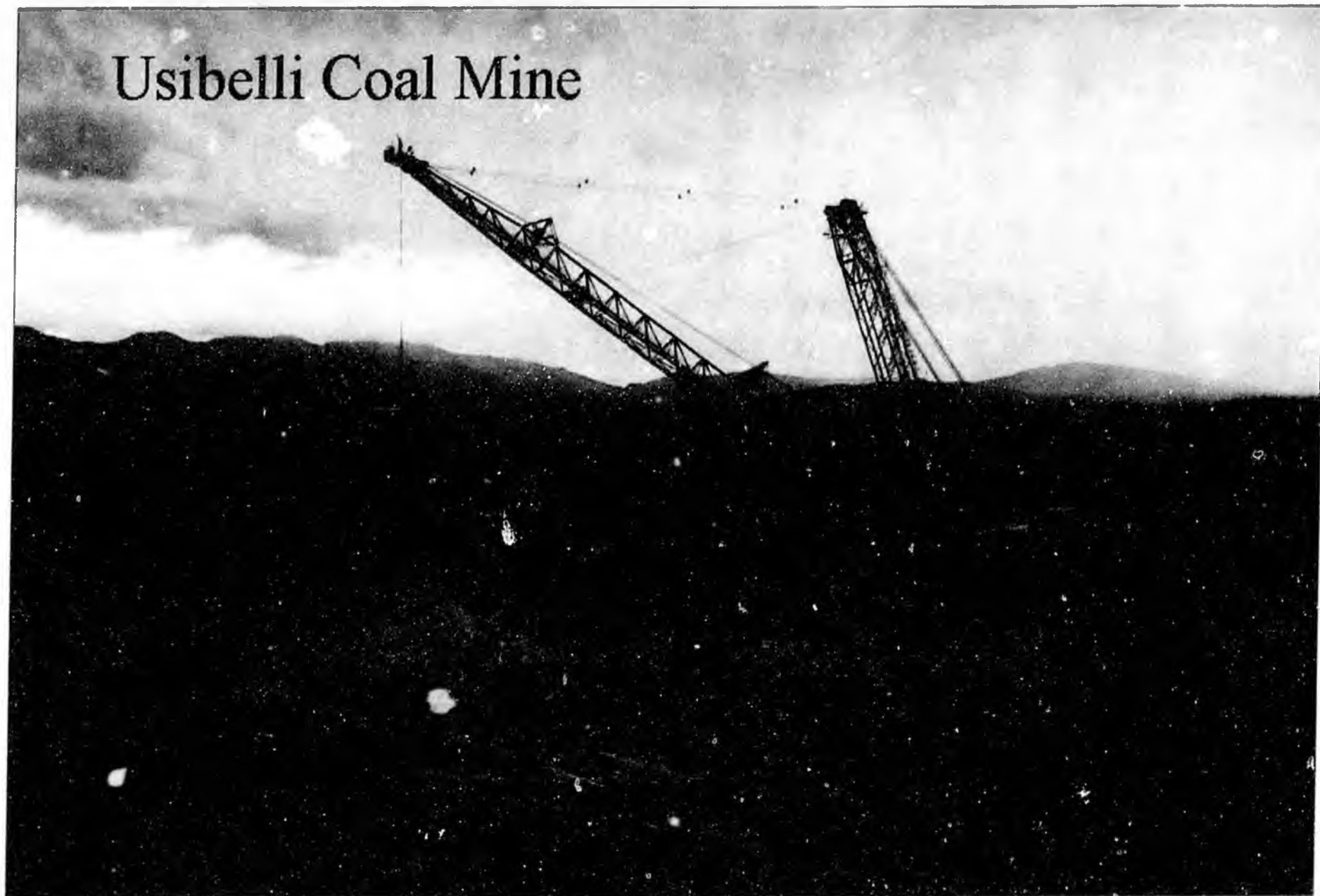
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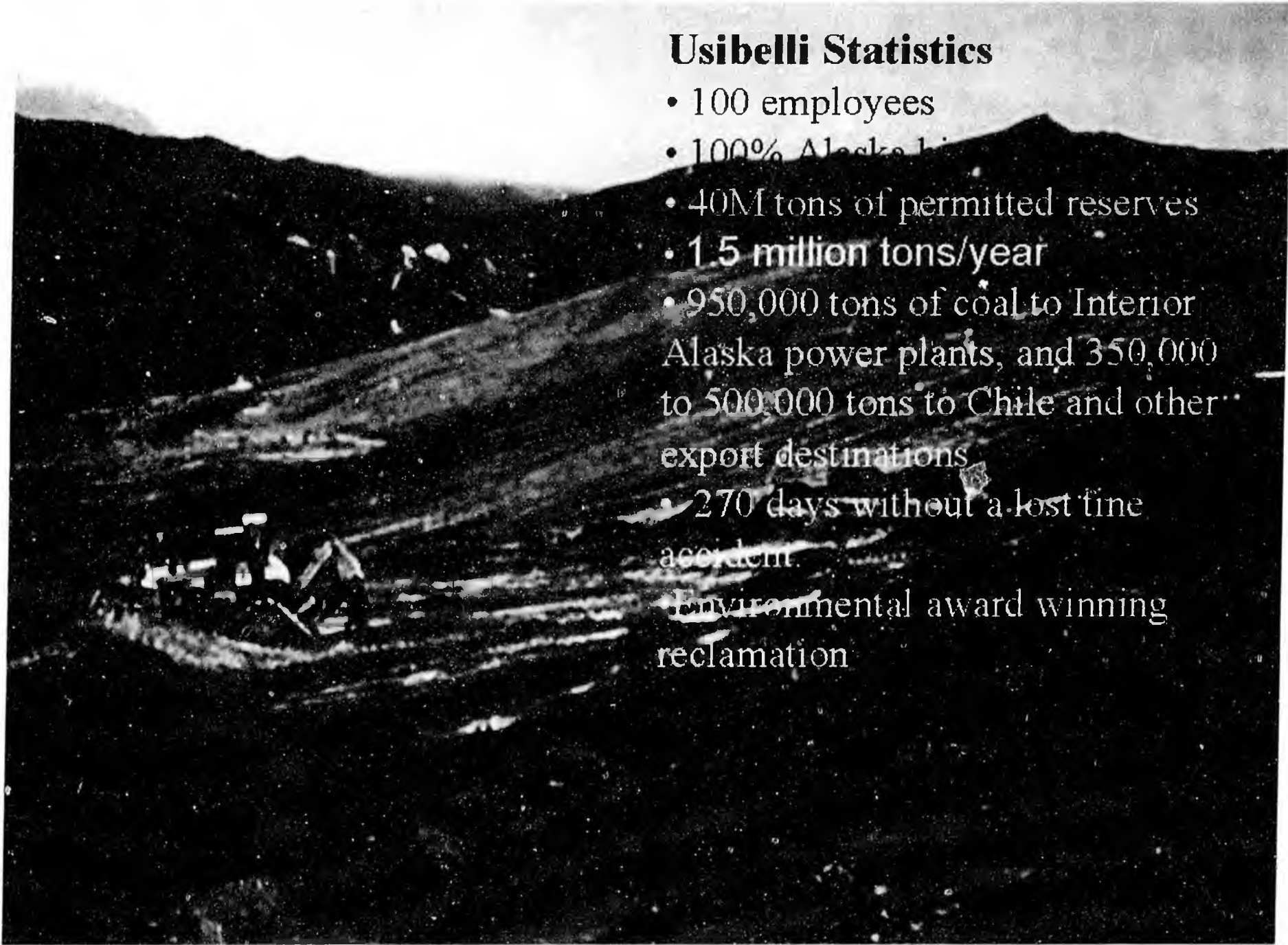
Map data
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Operating Mines

- | | | |
|----|-----------------------|-------------------------------|
| 1. | Two Bull Ridge | Usibelli Coal Mine |
| 2. | Greens Creek | Kennecott & Hecla |
| 3. | Red Dog | Teck Cominco |
| 4. | Fort Knox | Kinross Gold |
| 5. | Pogo | Teck Cominco |
| 6. | Nixon Fork | St. Andrews Goldfields |

Usibelli Coal Mine





Usibelli Statistics

- 100 employees
- 100% Alaska born
- 40M tons of permitted reserves
- 1.5 million tons/year
- 950,000 tons of coal to Interior Alaska power plants, and 350,000 to 500,000 tons to Chile and other export destinations
- 270 days without a lost time accident
- Environmental award winning reclamation

Usibelli Coal Mine - Facilities



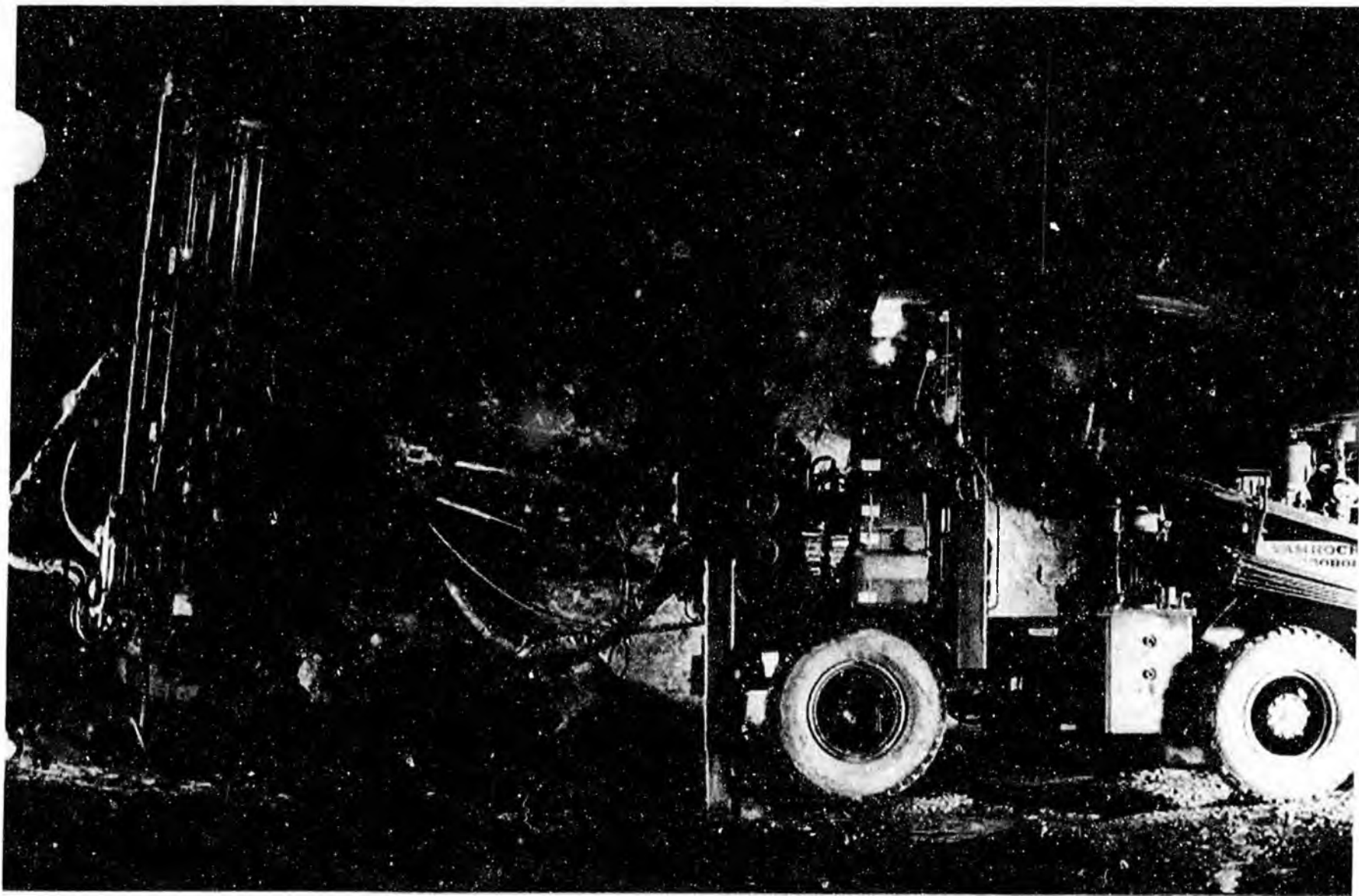
Greens Creek Mine



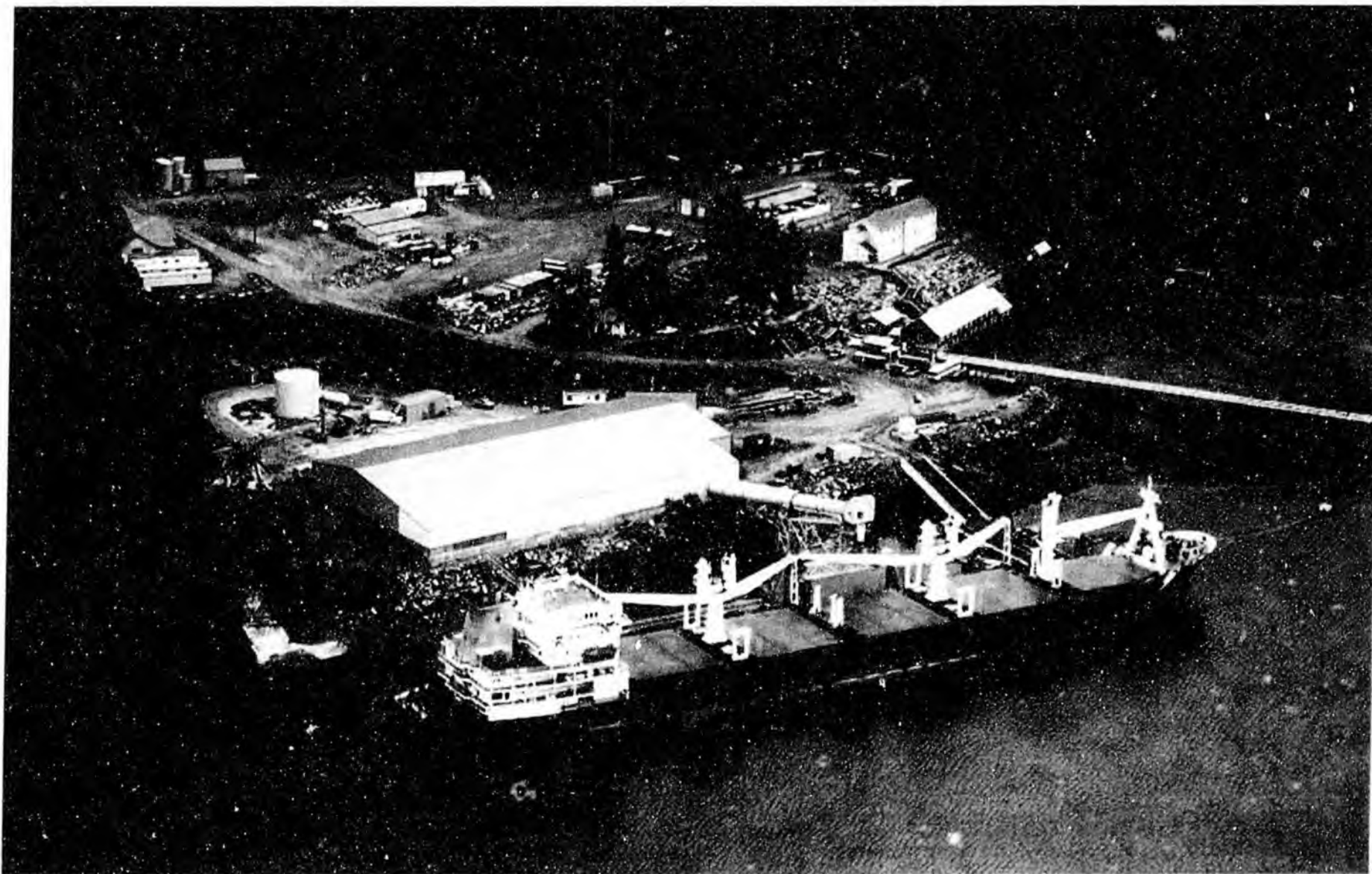
Statistics

- 315 employees
- Approximately 60% live in Juneau
- Approximately 79% live in Alaska
- Largest private sector employer in SE; largest taxpayer in Borough
- More than \$25M annual wages and benefits
- More than \$20M annual Alaska supplies and contracted services

Bolter at Greens Creek



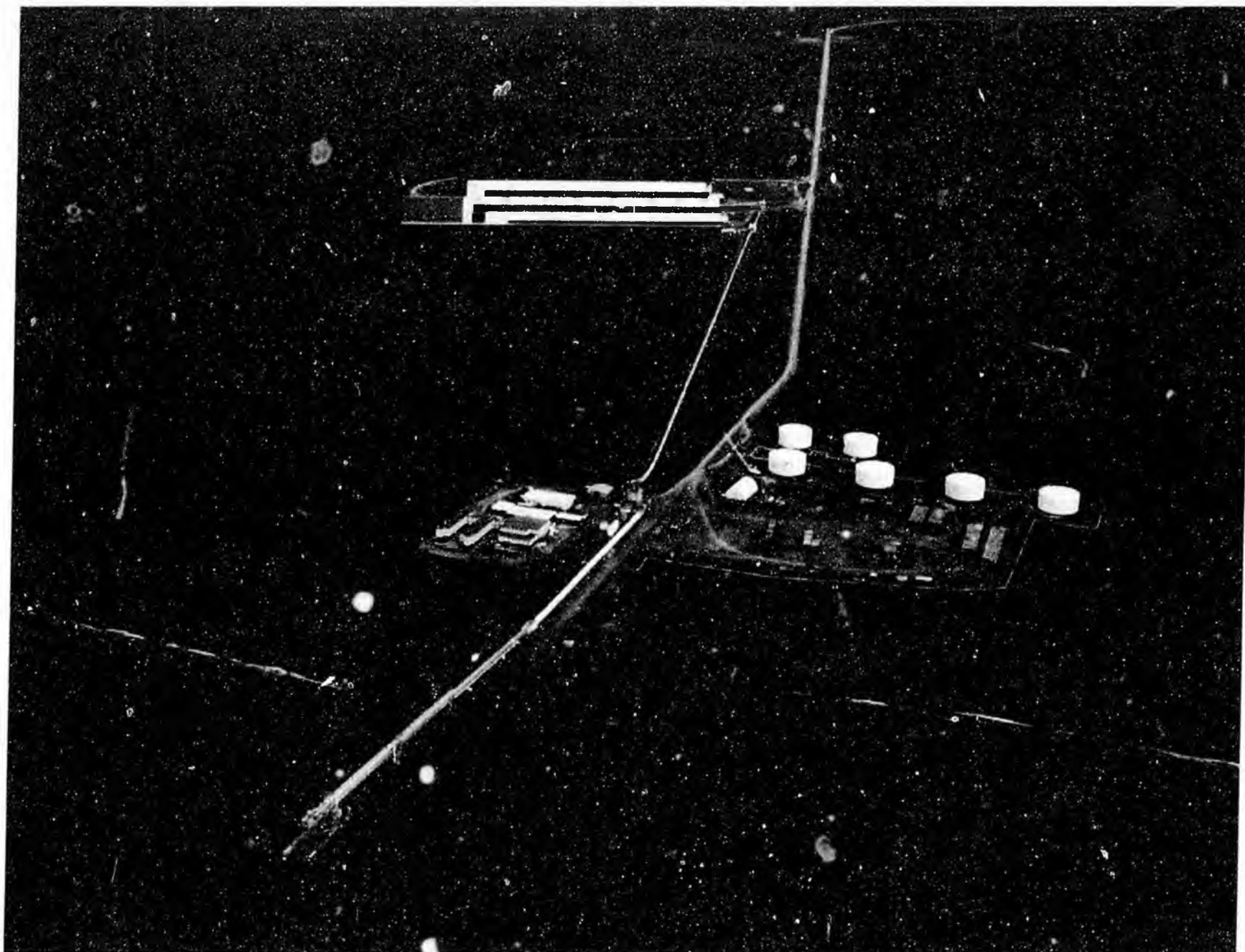
Greens Creek Ship Loading Facilities



Red Dog Mine

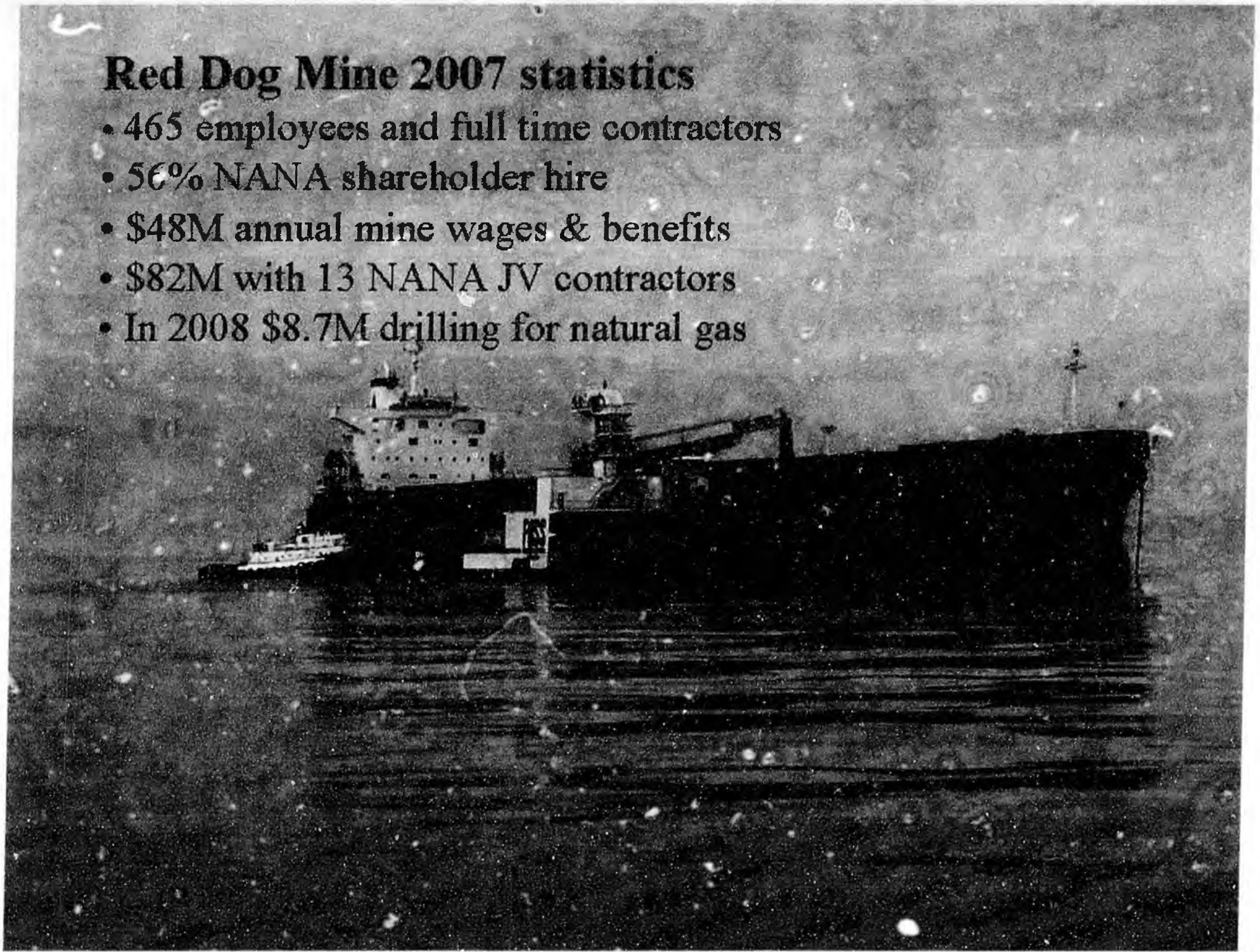


Red Dog Port Site

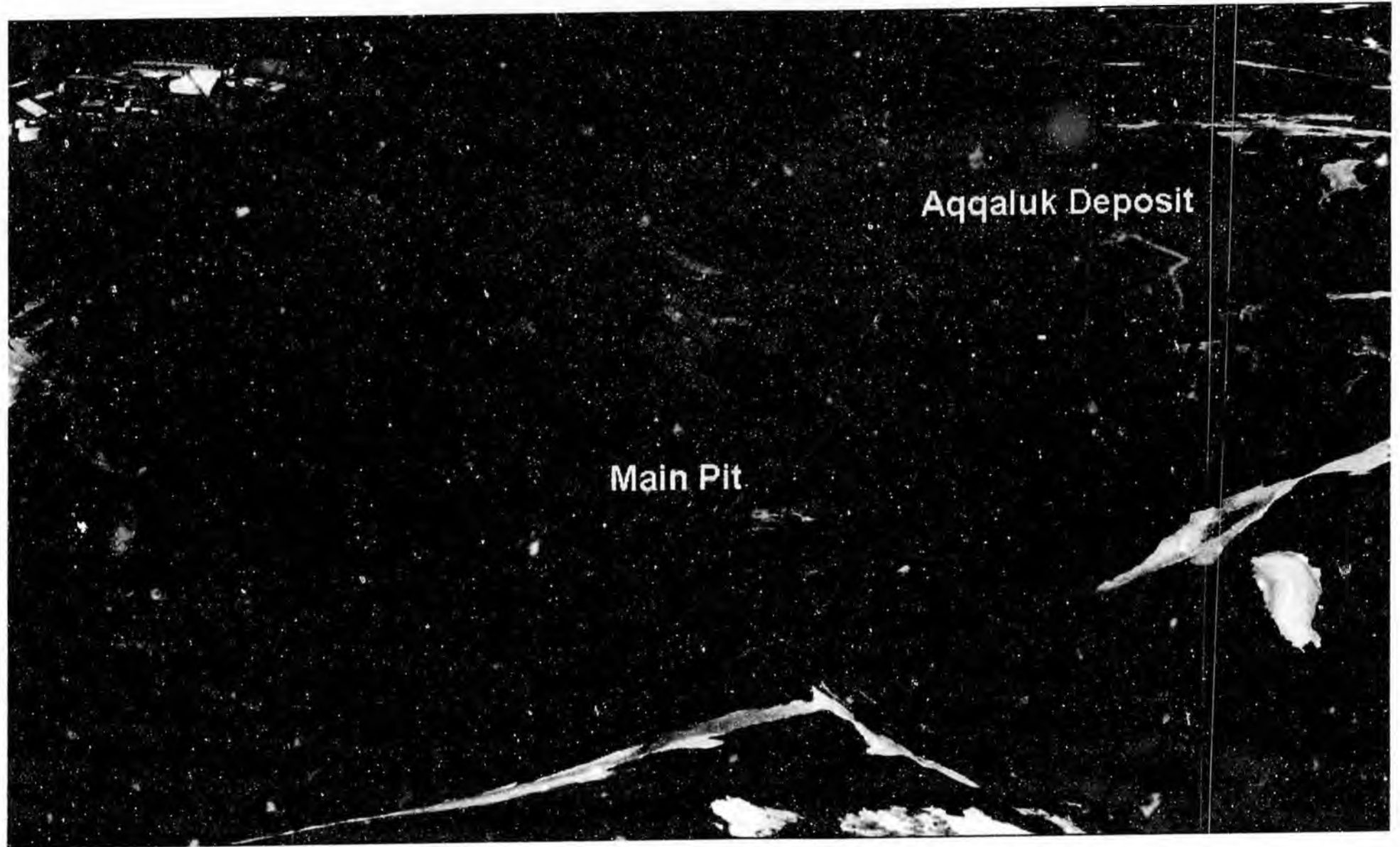


Red Dog Mine 2007 statistics

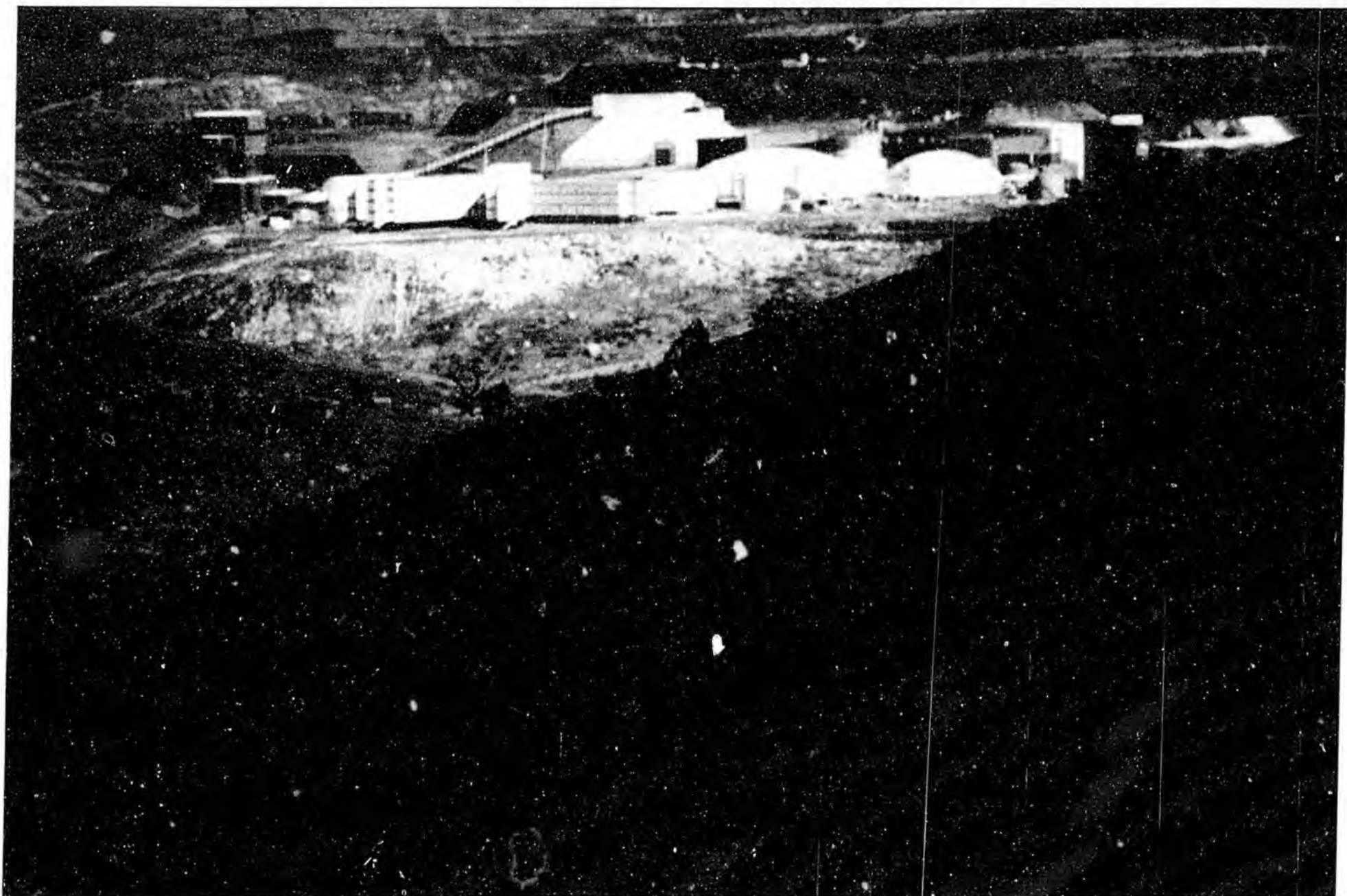
- 465 employees and full time contractors
- 56% NANA shareholder hire
- \$48M annual mine wages & benefits
- \$82M with 13 NANA JV contractors
- In 2008 \$8.7M drilling for natural gas



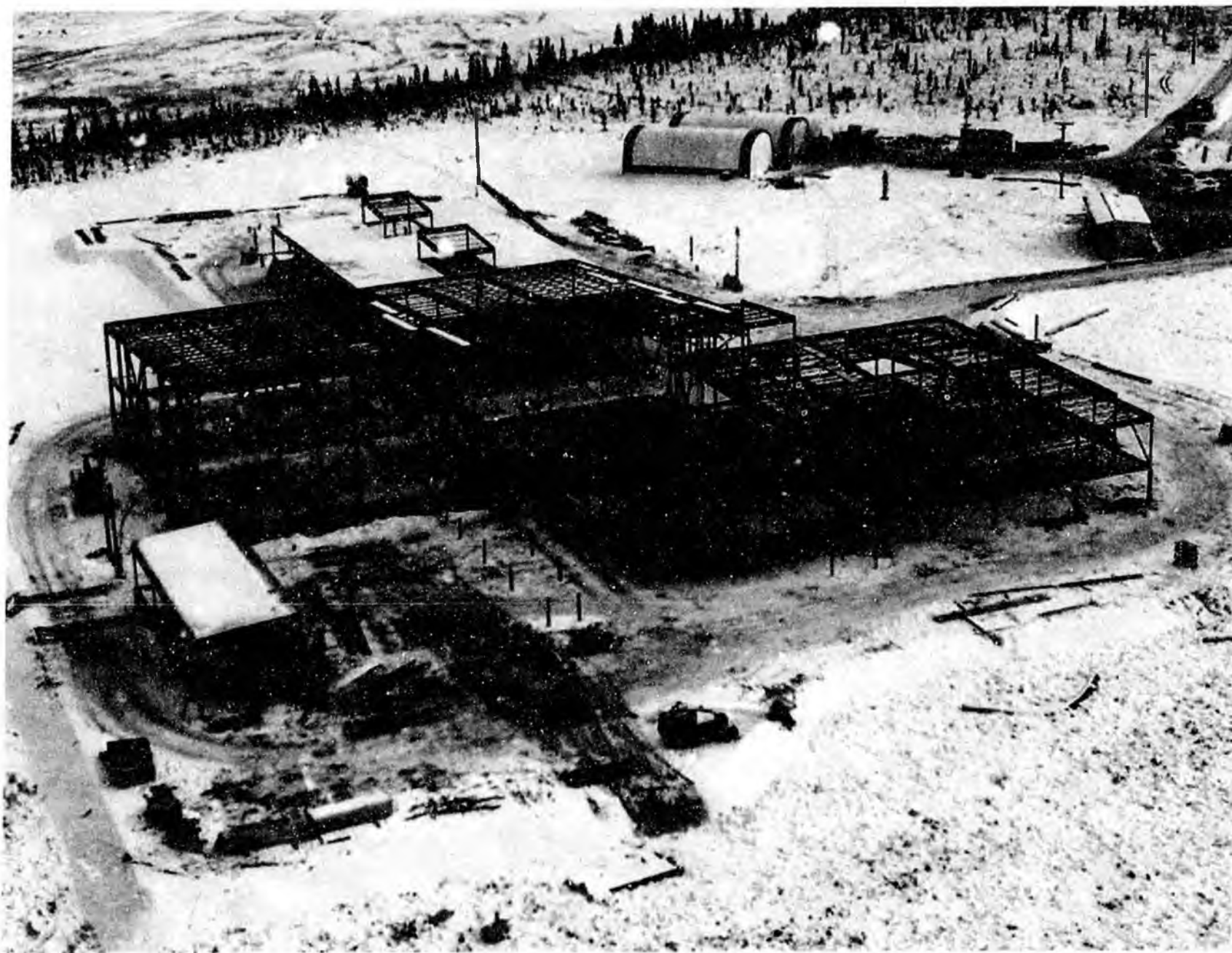
Aqqaluk Extension Project



Protecting Subsistence Lifestyle

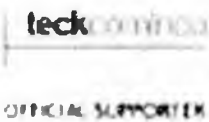
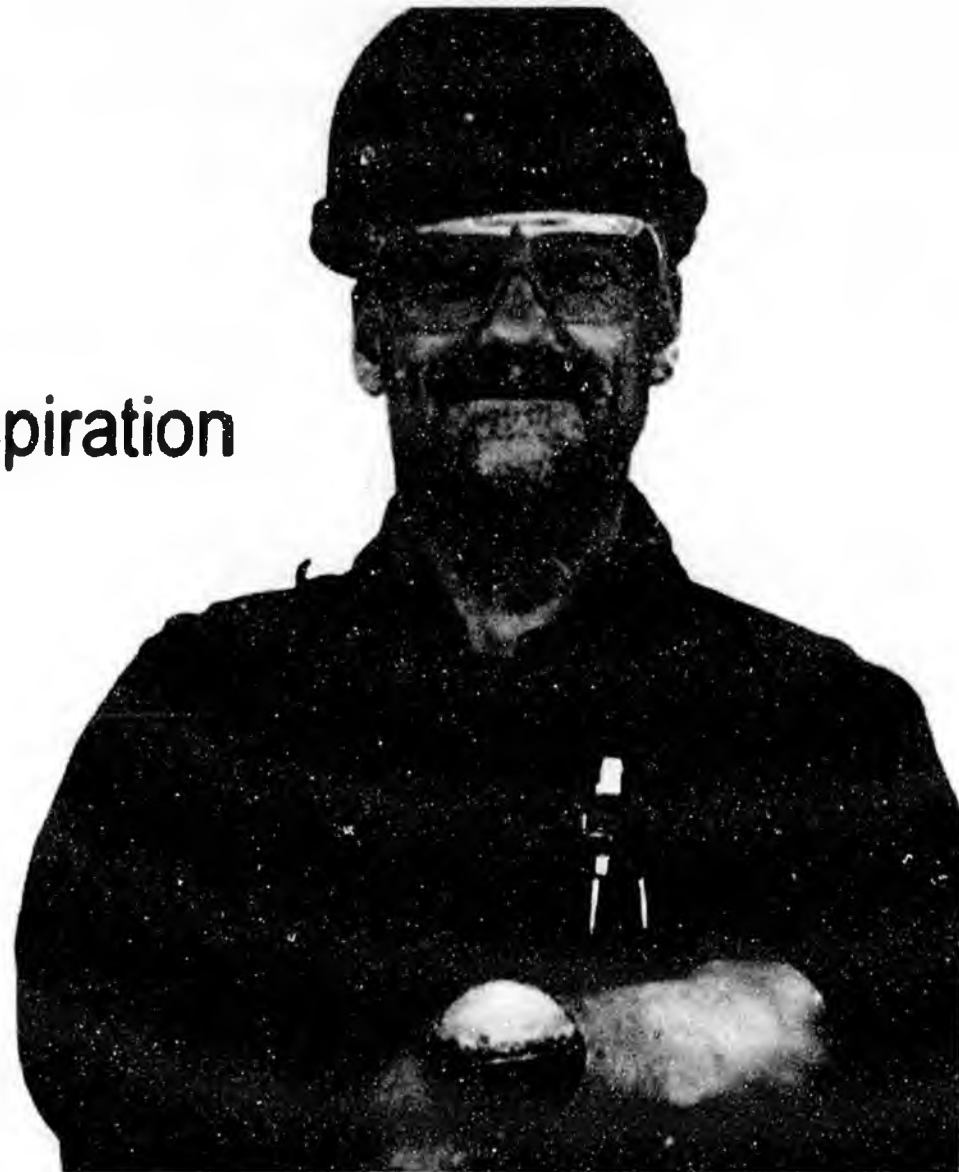


New Noatak School - \$40M

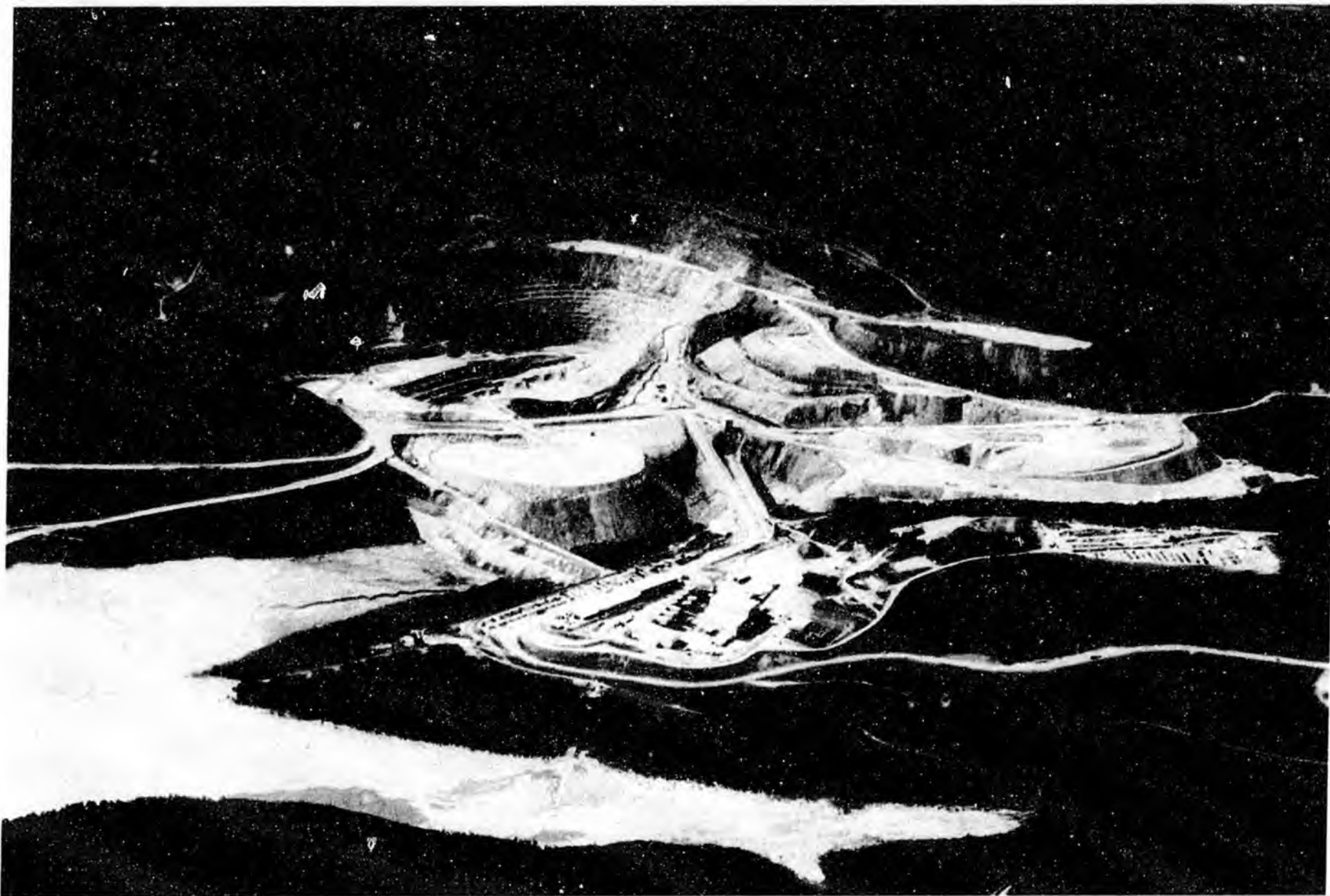


2010 Winter Olympics

Precious Medals:
The Source of Inspiration



Fort Knox Mine



2007 Statistics

- 400 employees
- No lost time accidents
- \$38M annual wages & benefits
- \$28M for electricity
- \$15M for fuel
- Heap leach permits received
- Mine life extended to 2014

