

1/23/08

PRESENT.:

KENAI

RIVER

SPORTS

FISHING

ASSOC.

Terry Harvey

From: Gary Hollier [glh@alaska.net]
Sent: Friday, January 25, 2008 10:12 AM
To: Sen. Charlie Huggins
Cc: Sen. Bert Stedman; Sen. Tom Wagoner; Rep. Carl Gatto; Rep. Craig Johnson; Rep. Paul Seaton; Rep. Peggy Wilson
Subject: *****SPAM***** FW: Cook Inlet model

From: Gary Hollier [mailto:glh@alaska.net]
Sent: Friday, January 25, 2008 9:48 AM
To: 'senator_charlie_huggins@legis.state.ak.us'
Cc: 'senator_bert_stedman@legis.state.us'; 'senator_tom_wagoner@legis.state.us'; 'representative_carl_gatto@legis.state.us'; 'representative_craig_johnson@legis.as.us'; 'representative_paul_seaton@legis.state.us'; 'representative_peggy_wilson@legis.state.us'
Subject: Cook Inlet model

Dear Senator Huggins,

I listened in on Thursday to the presentation from Mr. Beamsderfer to the joint meeting of the house and senate resource committee. I do not understand how Kenai River Sportsman Association had enough power to get this scheduled. It was brought out in the discussion that the Cook Inlet model was not about allocation. I would hope nobody at the table was naïve enough to believe that statement. Mr. Beamesderfer is a hired gun by KSRA to specifically deal with allocation issues for Cook Inlet. Mr. Beamesderfer has attended the past 2 BOF meetings and has pushed KSRA's agenda in requesting allocation changes in Cook Inlet. KRSA has been on record for decades that they want the commercial fishery in Cook Inlet severally restricted. Specifically they want the East-side set-nets out of the water completely. KSRA is 99% about allocation. They have the Kenai River Classic on public resources, and then use the proceeds to finance their allocation battles. Look on the Boards Support web site and KSRA comments are in for the up-coming BOF meeting. You decide if they are not all about allocation changes in Cook Inlet. If you go to the Board of Fish in Anchorage Feb.1-12, KSRA will be using their money from the Classic to fiancé their points of allocation to the BOF. They have been doing this for years.

The State of Alaska gives the BOF the entitlement to regulate fisheries in Alaska. The BOF sets in-river goals that are too achieved by ADF&G. The BOF then ties ADF&G's hands by putting mandatory windows and restricting emergency order authority. This has led to over-escapement s into the Kenai River 5 out of the last 6 years. The Kasilof River has not met its in-river goal 9 out the past 10 years. The real model that should be implemented is the BOFshould give ADF&G the authority to manage for the in-river goals.

Thank you,
Gary Hollier
Soldotna, Ak.

1.23.08

present - Kawasaki, Roses, Wilson, Johnson,
Gatto, Johnson, Seaton, Fairclough,
Thomas, Norman, Gullenberg, Green, Wilochowski

craig - what it will take to make good
decisions on science not special interest,

Beamslder - here to advocate for science -

escapement studies must be accurate
continued need to fix any problems
cook inlet, Northern District

Genetic Stock Identification - must
know how many fish there are & where

King studies - need to study King
as much as sockeye

modal is designed to flag areas where
data is missing/needed

sensitivity & risk rather than predictability

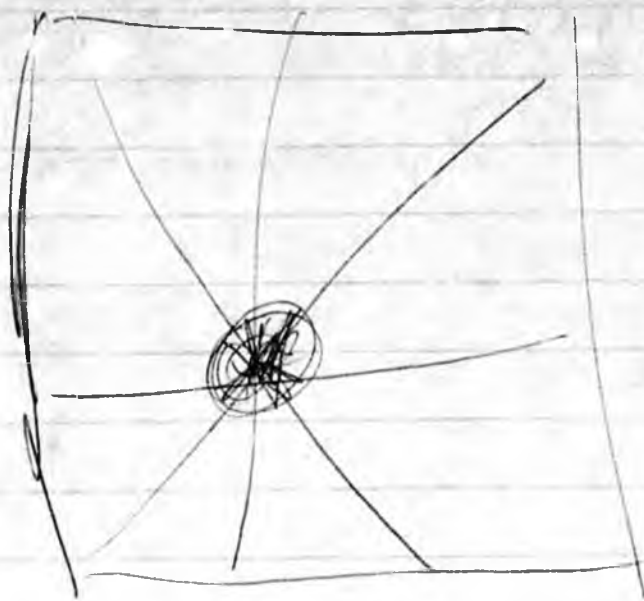
Not about application

NOAA model

Chayin fishy

Garbage In Garbage Out

Need more Accural Information



~~Garbage~~

How much data need for Genetic Testy
- Data -

Sato
Wilson

~~Seaton~~
Wilson
Johnson
Roses

Good afternoon members of the joint House and Senate Resources committees.

My name is Reuben Hanke and I serve on the Kenai River Sportfishing Association Board of Directors and chair its fisheries committee.

It is my pleasure to introduce today's speaker.

Ray Beamesderfer is a senior fisheries consultant for Cramer Fish Sciences, a professional natural resources group that provides innovative solutions to challenges with fish populations and aquatic ecology along the Pacific Coast from Alaska to California.

With over 20 years of experience analyzing applied problems of fish biology and management, Ray has special expertise in using qualitative analysis, statistics and computer modeling to solve difficult fish questions.

Ray holds a bachelor's degree in Wildlife and Fisheries Biology from the University of California, Davis, and a Master's in Fishery Resources from the University of Idaho.

Prior to joining Cramer team in 2000, he worked for the Oregon Department of Fish and Wildlife in Columbia River fish and fishery management and research.

Ray's presentation today is a complex fisheries model for analyzing outcome of Upper Cook Inlet management decisions.

ALASKA STATE LEGISLATURE HOUSE RESOURCES COMMITTEE

Representative Carl Gatto, Co-Chair
State Capitol Building, Room 108
Juneau, Alaska 99801-1182

Phone: (907) 465-3743
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Representative Craig Johnson, Co-Chair
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**ROOM
124**

COMMITTEE MEMBERS

Representative
Anna Fairclough
Representative
Bob Roses
Representative
Paul Seaton
Representative
Peggy Wilson
Representative
Bryce Edgmon
Representative
David Gutfenberg
Representative
Scott Kawasaki

Joint House and Senate Resources Committee Meeting
Wednesday, January 23, 2008
1:00 p.m. - 2:30 p.m.
House Resources Room Barnes 124

AGENDA

Fish Model Presented by Kenai River Sport Fishing Association

Ray Beamesderfer, M.S., Associate Consultant,
Fisheries Scientist of Cramer Fish Sciences
Cramer Fish Sciences
600 NW Fariss Rd., Gresham, OR 97030
(877) 977-0102 Toll Free, (503) 465-1940 Fax
Oregon - California - Washington - Idaho - Alaska

Testify on Presentation:

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 Association
43961 Kalifornsky Beach Rd Ste F,
Soldotna, AK 99669
907-262-1771 ph/ 262-1064 fax
ragweb@gci.net

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

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RAY BEAMESDERFER, M.S.

ASSOCIATE CONSULTANT, FISHERIES SCIENTIST
GRESHAM, OREGON

Senior fisheries consultant Ray Beamesderfer joined Cramer Fish Sciences in 2000, has analyzed applied problems of fish biology and management for over 20 years, and has extensive experience with salmon, steelhead, trout, sturgeon, warmwater game and nongame species throughout Oregon, Washington, Alaska, Idaho, and British Columbia.



Responsibilities: Ray has special expertise in using quantitative analysis, statistics, and computer modeling to solve difficult fish questions, and in synthesizing and translating scientific analyses for a variety of audiences and needs. He has completed a wide variety of fishery management, biological assessment, and conservation or recovery planning projects for varied agencies, firms, tribes and organizations.

Projects: Beamesderfer is the author of numerous reports, biological assessments, management plans, and scientific articles on fish population dynamics, fish conservation, fishery and hatchery management, sampling, and species interactions. Notably, he served as the chief scientist and editor for Washington's lower Columbia River Salmon Recovery and Fish and Wildlife Subbasin Plan.

Background: Ray holds a bachelor's degree in Wildlife and Fisheries Biology from the University of California, Davis, and a Master's in Fishery Resources from the University of Idaho.

Before joining the Cramer team, he worked for the Oregon Department of Fish and Wildlife in Columbia River fish and fishery management and research.

Personal: Like many of his cohorts at Cramer Fish Sciences, Ray has a passion for the outdoors.

Cramer Fish Sciences
600 NW Fariss Rd., Gresham, OR 97030
(877) 977-0102 Toll Free, (503) 465-1940 Fax
Oregon - California - Washington - Idaho - Alaska

From: Ken & Connie Tarbox [mailto: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 would like to comment on the UCI model presentation to the joint resource/fisheries committees by a Kenai River Sport Fishing Association consultant, scheduled for Weds.

Models can serve a purpose and I have helped develop them in UCI. However, models require assumptions and in that context 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 claims. For example, how one deals with migratory timing can significantly impact model results. I have attempted to do this and I can assure you that there are no data to make precise estimates of travel times between the fisheries and within the river. 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 authority than any words in a management plan. Therefore to imply that a model can tell how allocations or escapement will be reached from 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 Board of Fisheries meeting to have escapement goals take a lower priority over closed fishing periods or other allocation restrictions. This is contrary to good fisheries management and Alaska's escapement goal management is foundational to the success this 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 thoroughly reviewed by 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. Trying to get the legislature to validate this model is one example. I implore you to cancel this meeting or at the least make no comment on the usefulness or validity of this model. I can assure you that this model is flawed because of the assumptions of model development in UCI. Please do not be fooled by PowerPoint presentations and so called experts of KRSA

Thank you,

Ken Tarbox 907-

Tuesday, January 22, 2008 6:16 PM

Sen. Gary Stevens; Rep. Paul Seaton; Sen. Tom Wagoner; Sen. Charlie Huggins

Joint Resource Committee Meeting

: Follow up

Green

Today that your committee is providing a joint hearing tomorrow to hear a presentation by Kenai River Sport fishing a model advocating the advantages of political windows based fishery management in Cook Inlet as rather than scientifically based escapement goals management. Has anyone in your group wondered why we time away from a short 90 day session to listen to a presentation on a model that is biased and has never been made public or reviewed by your own Department of Fish and Game? And you wonder why the general public legislatures being in the hip pockets of powerful special interest groups. How many of you are enamored by the way KRSA has and is willing to spread around so that they can get your ear on their quest to reduce escapement in the Inlet. That is their goal, make no mistake about it. And do you really think it is about red salmon? Of course only riding this horse so that the commercial fishermen are on the beach more so that their precious Kings and more Kings and Coho enter the valley streams. At what price?

The Kenai Area Fisherman's Coalition, represents private anglers on the Kenai Peninsula. We have a BOD of members including 10 retired fisheries biologists with over 120 years of fisheries scientific background in Cook Inlet. We hear to tell you that windows are not working as advertised and the preferred method of fisheries management which manages for escapement goals utilizing the principals of MSY recognizing all user groups. Valley people are beating the drum that they want more windows and restrictions to increase fish numbers in their streams. How is the ADF&G data lately? Plenty of Sockeye are entering your streams but your production is on its butt. You are only targeting the commercial fisheries to make up the difference and you intentionally continue to ignore the problems in your producing lakes and streams. What are you doing to address the problems with pike, beaver dams, etc. in your better salmon producing areas? You have already lost a good number of salmon producing streams. It will be jeopardized if you don't address these problems.

Folks on the Kenai cannot take anymore mismanaged red salmon runs that over-escape our river. The problems on the Kenai are compounded when we continue to put too many fish on the spawning grounds. Future runs on the Kenai are questionable beyond 2009 because of some of these factors. We may be facing such a shortage that will be affected, including the personal use fishery that many valley folks rely on just as we do.

Which a collapse caused by windows management tying the hands of fishery managers will be that there will be no one getting a free pass to the river. Getting the picture?

How do you cancel this inappropriate presentation until such a time that it is reviewed for accuracy and context. In situations it is easy to get drawn in when there is nobody there, or pertinent information available, to refute the statements. What do you have to gain by listening to biased information? And aren't you just a little curious about the weeks before the BOF meeting dealing with these issues. Your committee should adhere to listening to good information that has been reviewed and commented on by Department of Fish and Game officials. It is our opinion that you are losing your credibility for this information when it reaches the BOF meeting on Feb. 1st.

This is as constructive criticism of a process that has gone wrong to propel an agenda of some on your joint committee and perhaps leadership.

Jeanne Ostnes

From: Sen. Charlie Huggins
Sent: Wednesday, January 23, 2008 12:18 PM
To: Jeanne Ostnes
Subject: FW: Rep Kelly Wolf Retired
Importance: High

Jeanne,

Sharon Long asked me to forward you this e-mail for the 1pm SRES meeting today. She asked that you place them in the packets for you. Thanks so much for your help!!

*Karen Sawyer, Staff
Office of Senator Charlie Huggins*

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907-465-3878 Main  
907-465-3265 Fax  
State Capitol, Room 119  
Juneau AK 99801

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**From:** popacsalaska.net [mailto:ycr@acsalaska.net]  
**Sent:** Wednesday, January 23, 2008 11:46 AM  
**To:** Sen. Charlie Huggins  
**Subject:** Rep Kelly Wolf Retired

Senator

I was just informed of the coming up joint resources committee hearing , and the presentation from Kenai River Sport Fish Association and there Cook Inlet Model.

I think the legislature is stepping into dangerous territory given the Recent statement issued by the FBI Integrity Corruption Unit out of Washington. See it below

**Statement made in Nov 2007**

**"Each member of the Alaska State Legislature has an inherent duty to the public of the State of Alaska to conduct their dealings free of conflicts of interest," prosecutors said in a memorandum filed Saturday. "The existence of this duty is intrinsic to a public official's obligation to conduct his or her affairs free of improper influences." State law requires legislators to not only avoid conflicts of interest, but even the appearance of a conflict.**

**KRSA is a 501(c) 3 NPO who is legally bound by the IRS not to influence legislation, Remember Mr. Bob Penney the self proclaimed founder and former chairman of KRSA recently was subpoenaed by the FBI to testify before the federal Grand jury regarding the corruption in Alaska politics... The question is will this presentation today have any influence on the up coming**

1/26/2008

**board of Fish meetings in Anchorage.... YES!!**

**How far is this going to draw the special unit in to Alaska politics**

**is Sen. Huggins or you drawing a target on yourselves**

**Remember its the FBI and IRS that are jointly investigating Alaska politics... If I can see this then the men in black are already watching**

Just remember that is 501 (c) 3 NPO is not to attempt to influence legislation or elected officials

Former Rep. Kelly Wolf

# Upper Cook Inlet Fishery Controversies

*Research & Modeling Needs*



Cramer Fish Sciences



KENAI RIVER SPORTFISHING  
ASSOCIATION

# Today's Topics

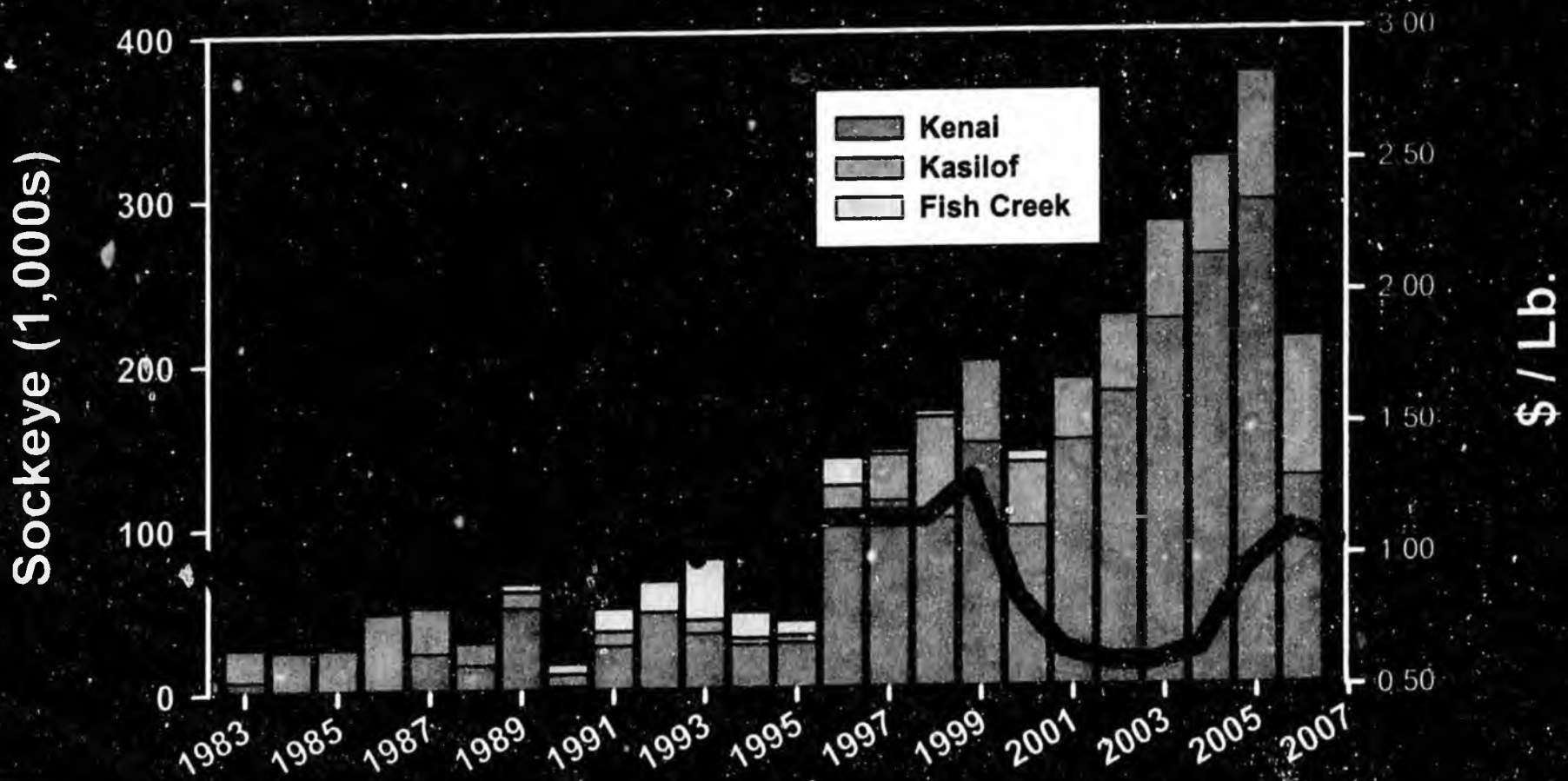


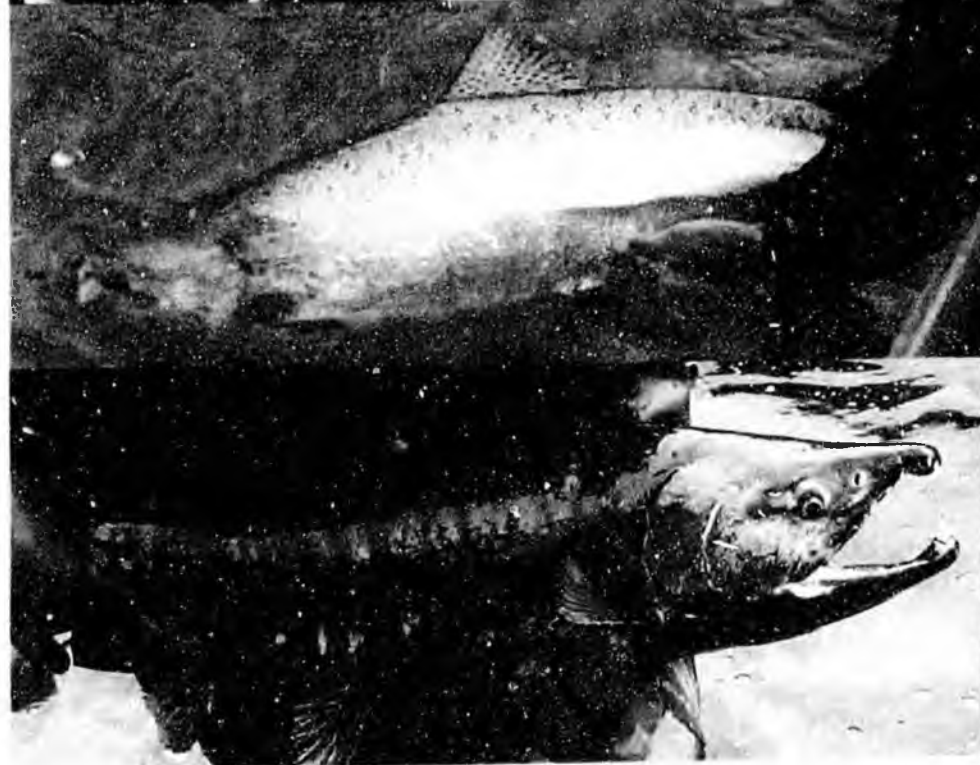
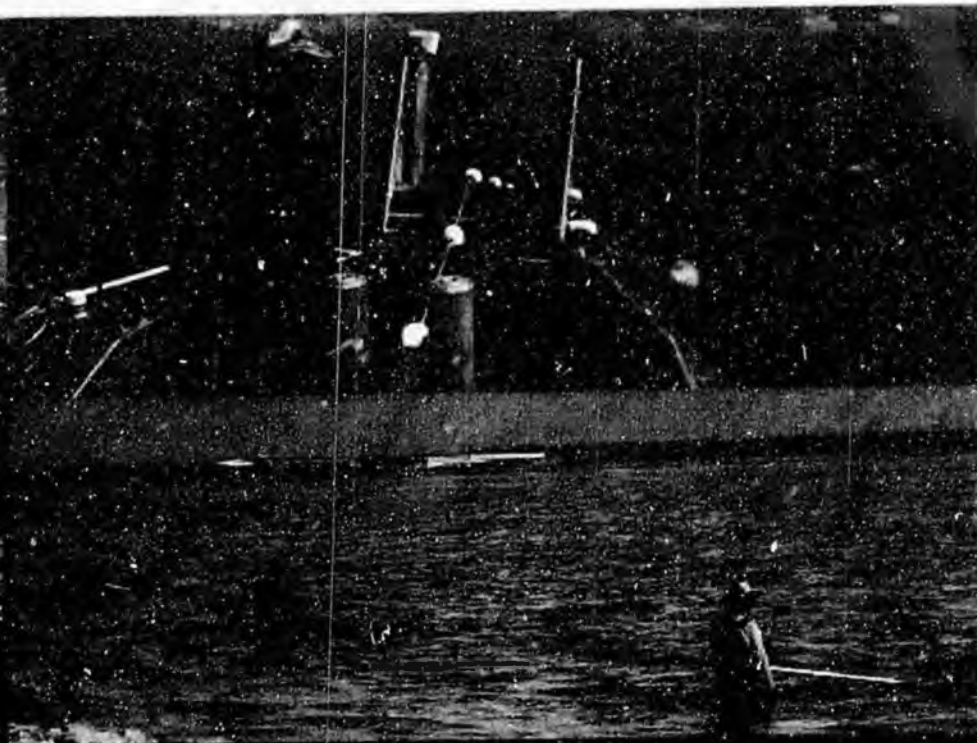
- Problem
- Analysis
- Needs

# Cook Inlet Fishery Management



# Competing Values





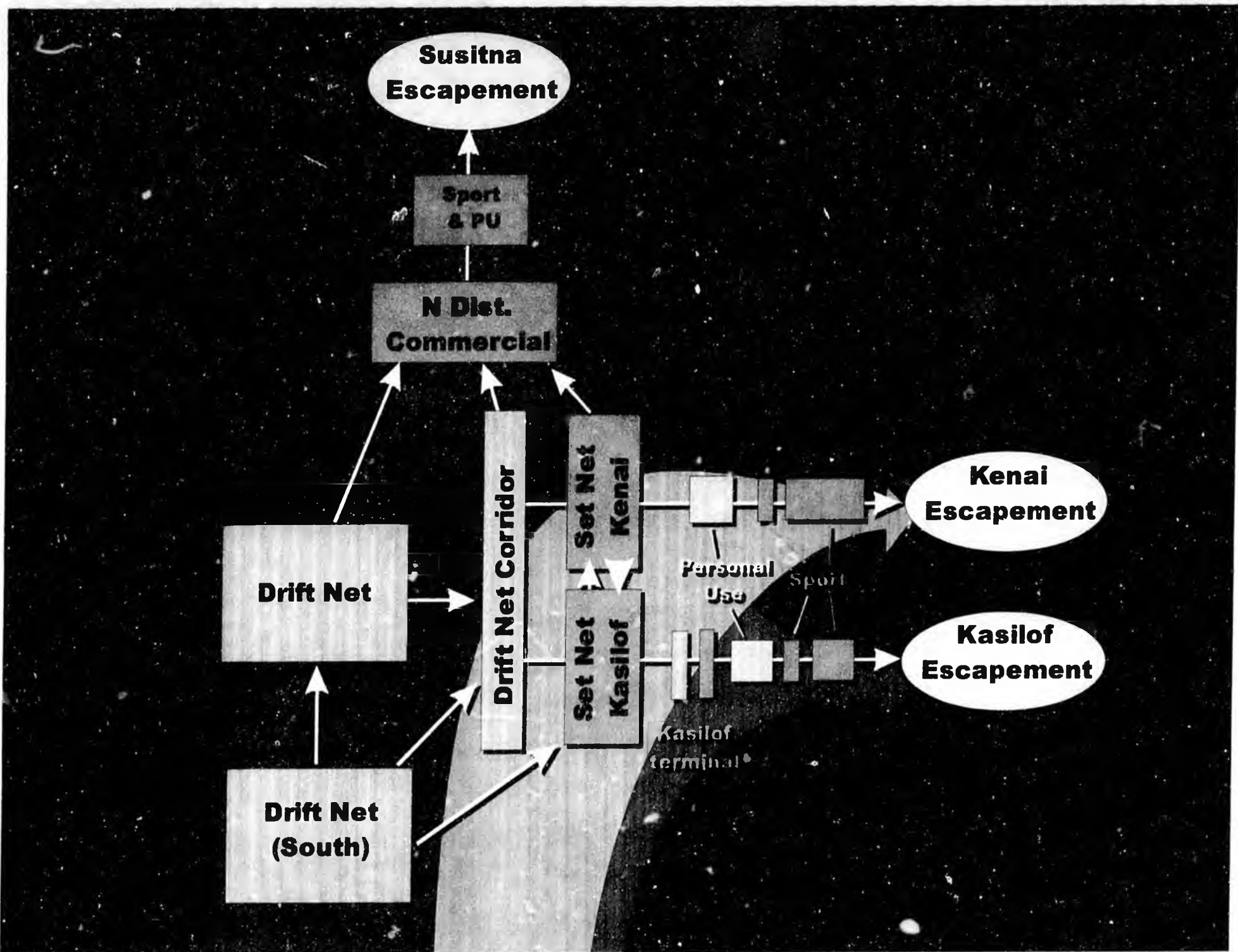


**Management  
accuracy**

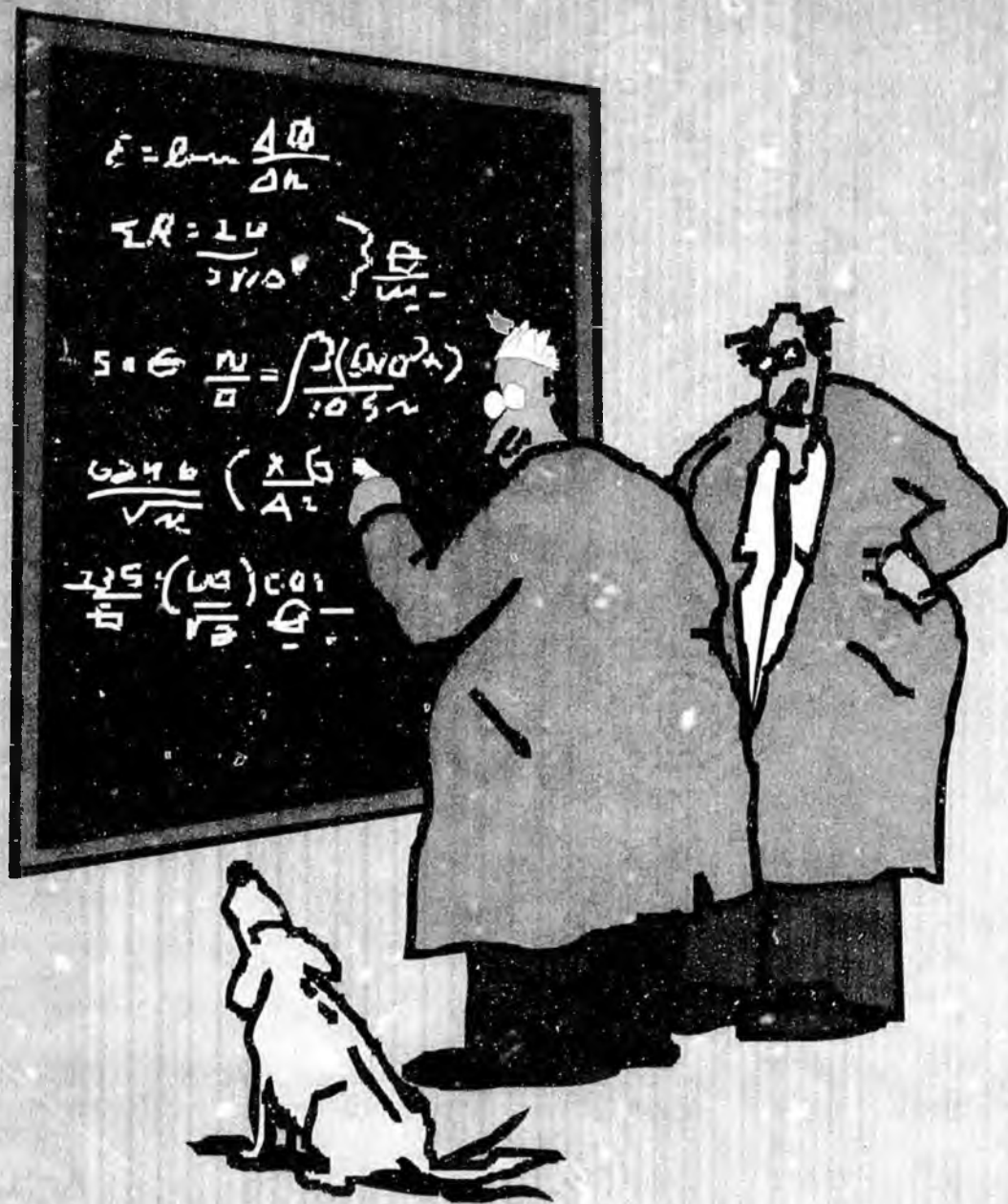
# Today's Topics



- Problem
- Analysis
- Needs



# Fishery Simulations in Cook Inlet Accompanying Progressive Exploitation



## FSCAPE - Fishery Simulations in Cook Inlet Accompanying Progressive Exploitation

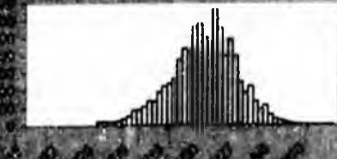
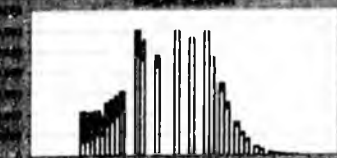
| Fishery  |         |         | S | M  | T  | W  | T  | F  | S  | All |
|----------|---------|---------|---|----|----|----|----|----|----|-----|
| June     | WR 3    | DN Dist |   |    |    |    | 12 |    |    | 12  |
|          |         | Corr    |   |    |    |    |    |    |    | 0   |
|          | SN Kes  |         |   |    |    |    |    |    |    | 0   |
|          | Ken     |         |   |    |    |    |    |    |    | 0   |
| Oth term |         |         |   |    |    |    |    |    | 0  |     |
| WR 4     | DN Dist |         |   | 12 |    |    | 12 |    |    | 24  |
|          | Corr    |         |   |    |    |    |    |    |    | 0   |
|          | SN Kes  |         |   |    |    | 15 | 15 | 15 | 15 | 60  |
|          | Ken     |         |   |    |    |    |    |    |    | 0   |
| Oth term |         |         |   |    |    |    |    |    | 0  |     |
| WR 1     | DN Dist |         |   | 12 |    |    | 12 |    |    | 24  |
|          | Corr    |         |   |    |    |    |    |    |    | 0   |
|          | SN Kes  |         |   | 12 | 15 | 15 | 15 | 15 |    | 72  |
|          | Ken     |         |   |    |    |    |    |    |    | 0   |
| Oth term |         |         |   |    |    |    |    |    | 0  |     |
| WR 2     | DN Dist |         |   | 12 |    |    | 12 |    |    | 24  |
|          | Corr    |         |   |    |    |    |    |    |    | 0   |
|          | SN Kes  |         |   | 18 | 18 |    |    | 12 |    | 48  |
|          | Ken     |         |   |    |    |    |    | 12 |    | 12  |
| Oth term |         |         |   |    |    |    |    |    | 0  |     |
| WR 3     | DN Dist |         |   | 12 |    |    | 12 |    |    | 24  |
|          | Corr    |         |   |    |    |    |    |    |    | 0   |
|          | SN Kes  |         |   | 12 |    |    | 12 |    |    | 24  |
|          | Ken     |         |   | 12 |    |    | 12 |    |    | 24  |
| Oth term |         |         |   |    |    |    |    |    | 0  |     |
| WR 4     | DN Dist |         |   | 12 |    |    | 12 |    |    | 24  |
|          | Corr    |         |   |    |    |    |    |    |    | 0   |
|          | SN Kes  |         |   | 15 | 15 |    | 15 | 15 | 15 | 75  |
|          | Ken     |         |   | 15 | 15 |    | 15 | 15 | 15 | 75  |
| Oth term |         |         |   |    |    |    |    |    | 0  |     |
| WR 1     | DN Dist |         |   | 12 |    |    | 12 |    |    | 24  |
|          | Corr    |         |   |    |    |    |    |    |    | 0   |
|          | SN Kes  |         |   | 15 | 15 |    | 15 | 15 | 15 | 75  |
|          | Ken     |         |   | 15 | 15 |    | 15 | 15 | 15 | 75  |
| Oth term |         |         |   |    |    |    |    |    | 0  |     |
| WR 2     | DN Dist |         |   | 12 |    |    | 12 |    |    | 24  |
|          | Corr    |         |   |    |    |    |    |    |    | 0   |
|          | SN Kes  |         |   | 10 | 18 | 16 | 15 | 12 |    | 75  |
|          | Ken     |         |   | 16 | 16 | 18 | 15 | 12 |    | 75  |
| Oth term |         |         |   |    |    |    |    |    | 0  |     |

| Fish           | Run size         | Run timing | Daily variability |
|----------------|------------------|------------|-------------------|
| <b>Sockeye</b> | $\sigma = 5,000$ | July       | %                 |
| Kenal          | 3,000            | 11         | 0                 |
| Kasilof        | 1,000            | 3          | 0                 |
| Susitna        | 500              | 6          | 0                 |
| Other          | 500              | 6          | 0                 |
| <b>Kings</b>   | 87               |            |                   |
| Kenal          | 57               | 1          | 0                 |
| Kasilof        | 10               | 1          | 0                 |

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

**Reset**

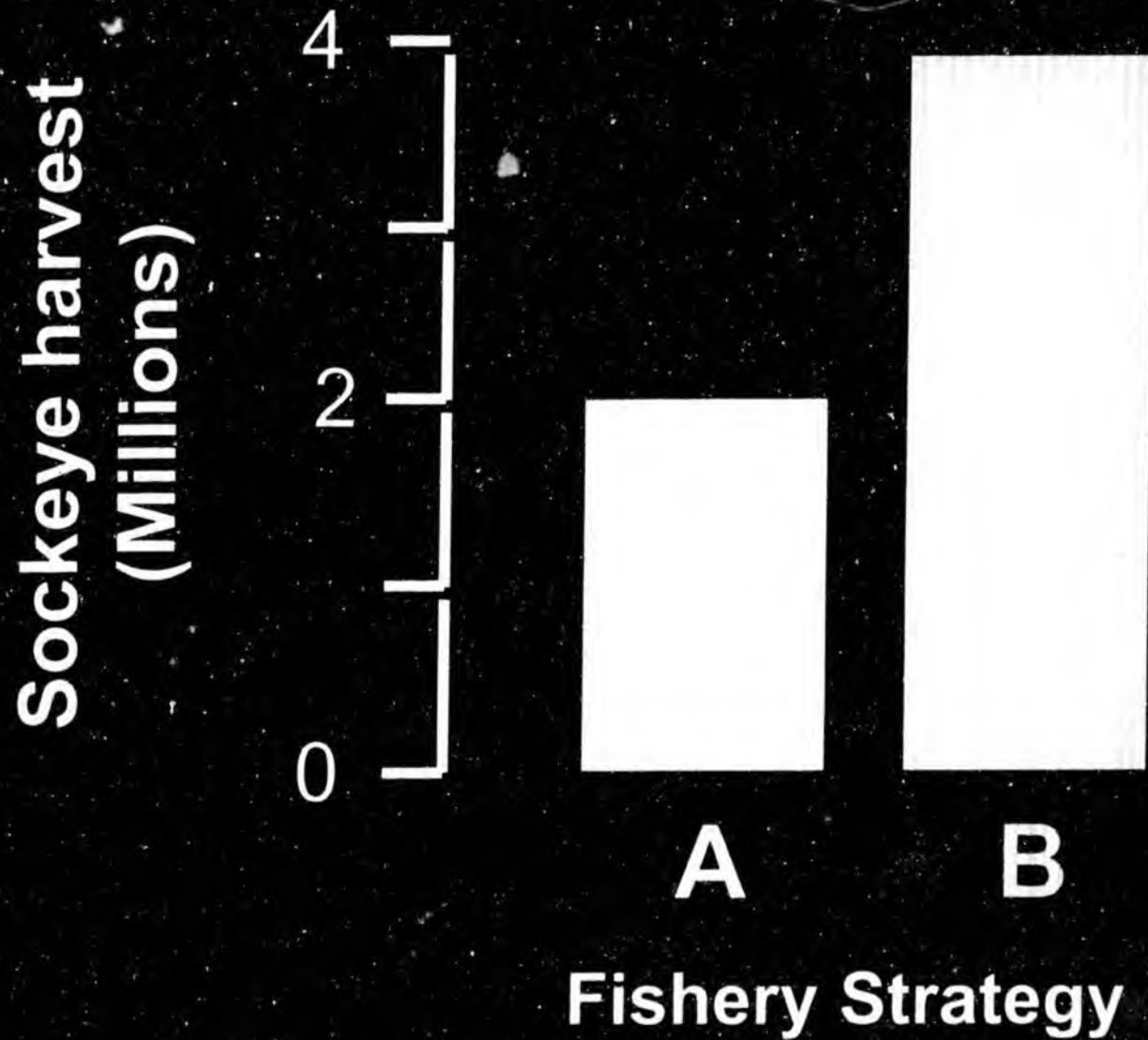
|                   | Sockeye          |                |                |                |                  | Kings |               |              |               |       |
|-------------------|------------------|----------------|----------------|----------------|------------------|-------|---------------|--------------|---------------|-------|
|                   | Kenal            | Kasilof        | Susitna        | Other          | Total            | Share | Kenal         | Kasilof      | Total         | Share |
| <b>Run</b>        | 3,000,000        | 1,000,000      | 500,000        | 500,000        | 5,000,000        |       | 67,000        | 10,000       | 67,000        |       |
| <b>Harvest</b>    |                  |                |                |                |                  |       |               |              |               |       |
| Drift net         | 780,000          | 280,000        | 130,000        | 187,500        | 1,377,500        | 39%   | 1,100         | 200          | 1,300         | 4%    |
| Set net           | 1,170,000        | 420,000        | 50,000         | 56,250         | 1,696,250        | 48%   | 14,000        | 1,800        | 15,800        | 45%   |
| Subtotal          | 1,950,000        | 700,000        | 180,000        | 243,750        | 3,073,750        | 86%   | 16,100        | 2,000        | 17,100        | 49%   |
| PU                | 170,000          | 50,000         | 0              | 0              | 220,000          | 6%    | 800           | 100          | 900           | 3%    |
| Sport             | 250,000          | 20,000         | 0              | 0              | 270,000          | 8%    | 15,000        | 2,000        | 17,000        | 49%   |
| Subtotal          | 420,000          | 70,000         | 0              | 0              | 490,000          | 14%   | 16,800        | 2,100        | 17,900        | 51%   |
| <b>Total</b>      | <b>2,370,000</b> | <b>770,000</b> | <b>180,000</b> | <b>243,750</b> | <b>3,863,750</b> |       | <b>30,800</b> | <b>4,100</b> | <b>38,000</b> |       |
| <b>Escape</b>     |                  |                |                |                |                  |       |               |              |               |       |
| Sonar             | 830,000          | 250,000        | 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       |       |
| <b>Stock comp</b> |                  |                |                |                |                  |       |               |              |               |       |
| Drift net         | 57%              | 20%            | 8%             | 14%            | 100%             |       | 85%           | 15%          | 100%          |       |
| Set net           | 69%              | 26%            | 3%             | 3%             | 100%             |       | 89%           | 11%          | 100%          |       |
| <b>Total</b>      | <b>63%</b>       | <b>23%</b>     | <b>6%</b>      | <b>6%</b>      | <b>100%</b>      |       | <b>88%</b>    | <b>12%</b>   | <b>100%</b>   |       |
| <b>Expl rate</b>  |                  |                |                |                |                  |       |               |              |               |       |
| Drift net         | 26%              | 28%            | 26%            | 38%            | 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%               |       | 28%           | 20%          | 25%           |       |
| <b>Total</b>      | <b>79%</b>       | <b>77%</b>     | <b>36%</b>     | <b>49%</b>     | <b>71%</b>       |       | <b>64%</b>    | <b>41%</b>   | <b>62%</b>    |       |



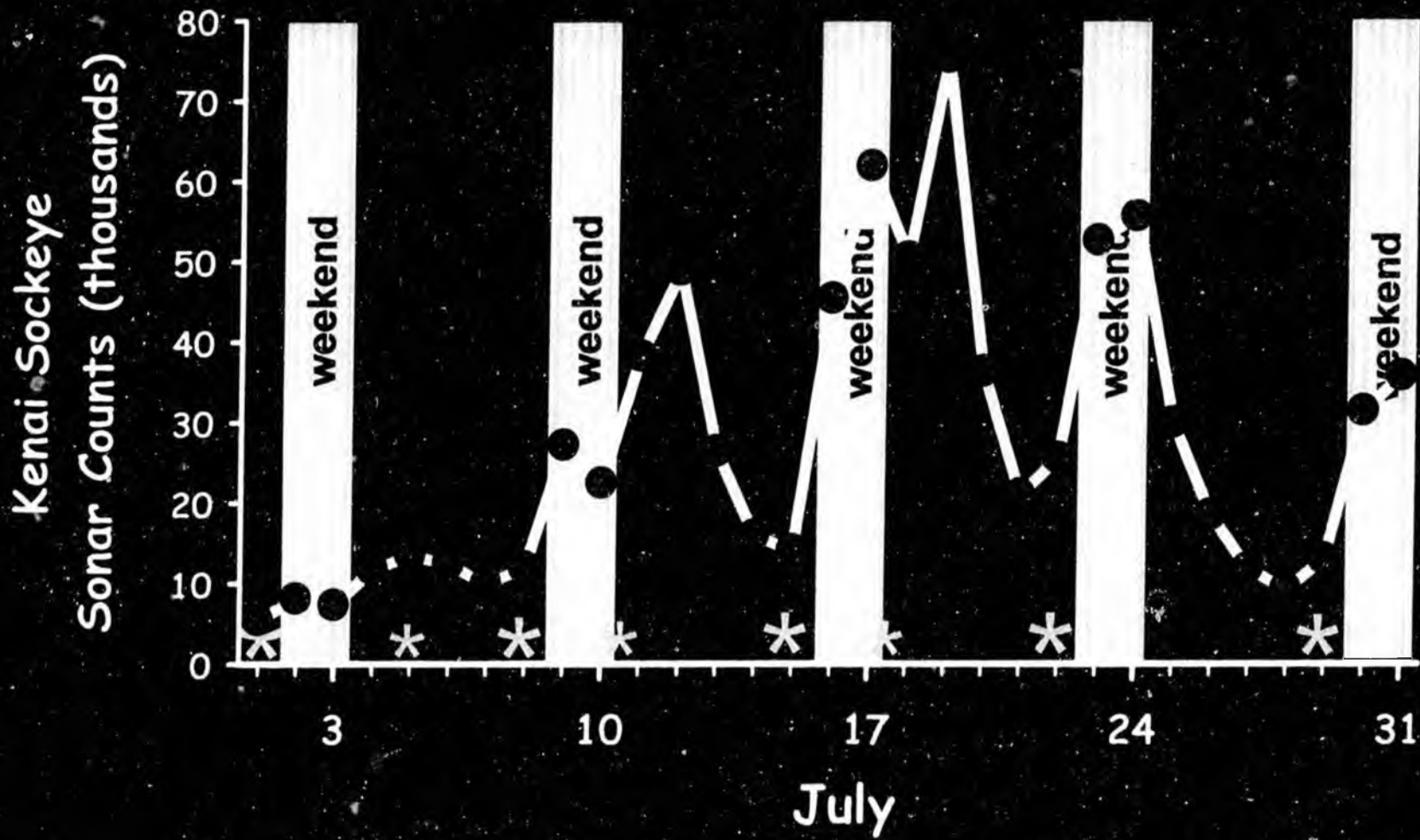
- Kenal Sockeye
- Kenal Kings
- Kasilof Sockeye
- Kasilof Kings
- Northern Sockeye

Run

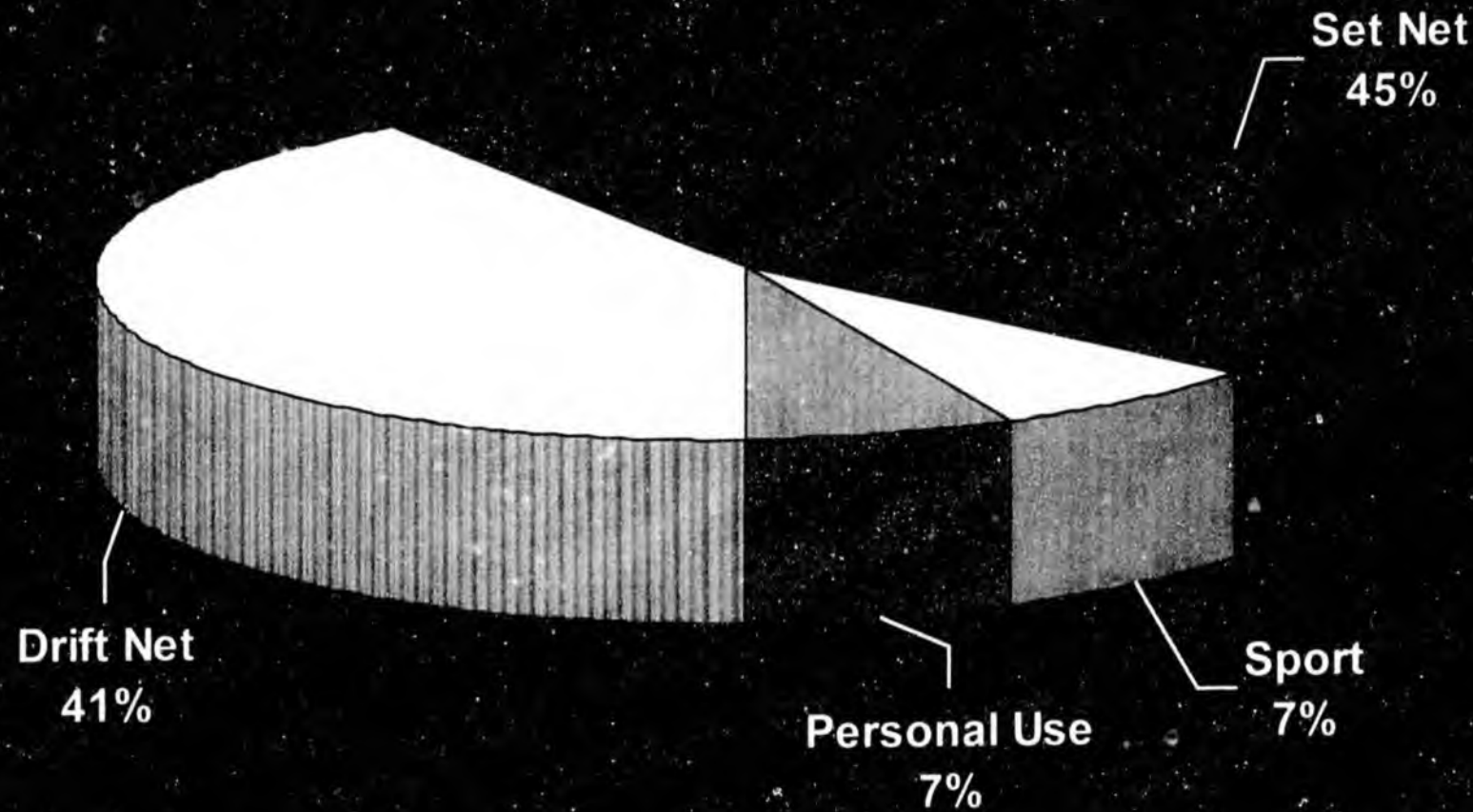
# Harvest Effects



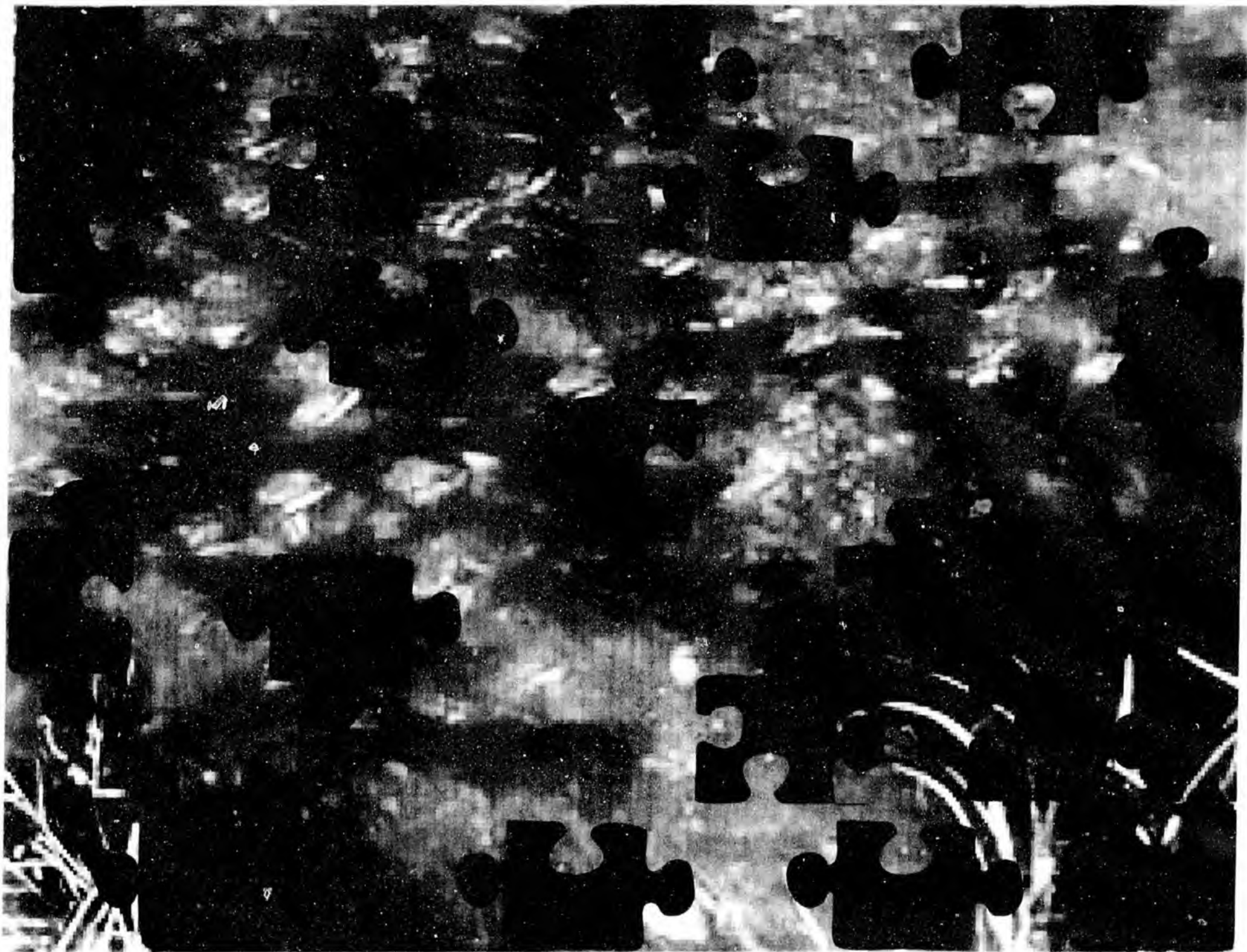
# Escapement Impacts



# Allocation Implications



UCI Sockeye 2002-2006

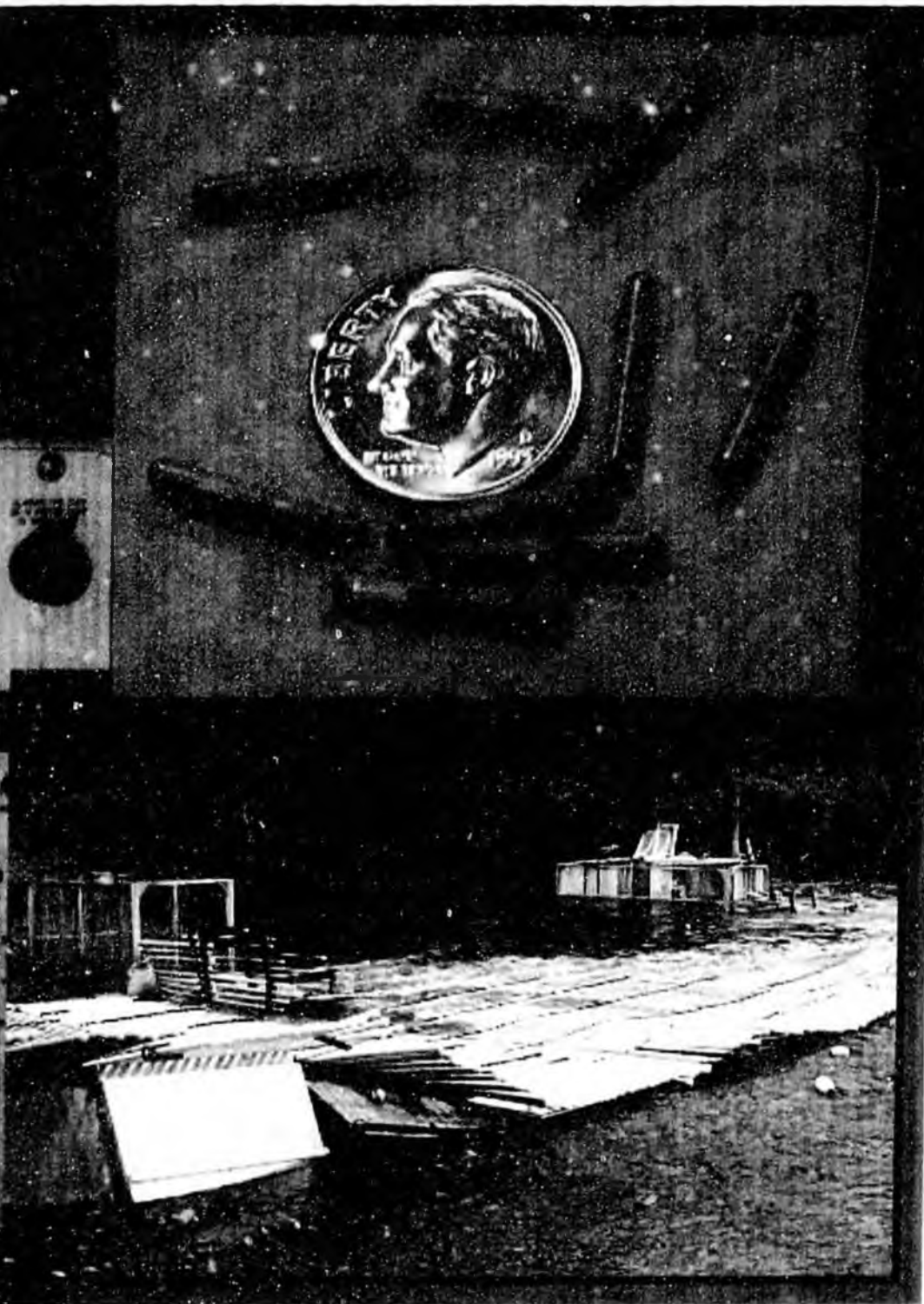
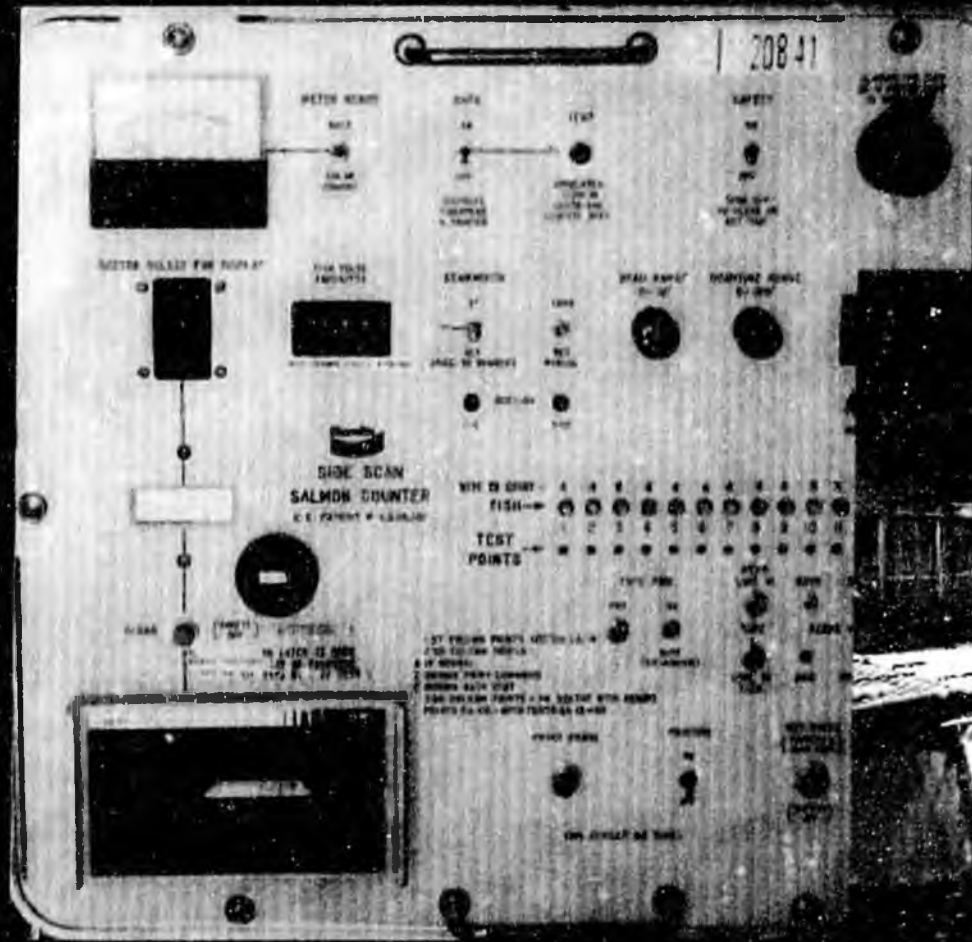


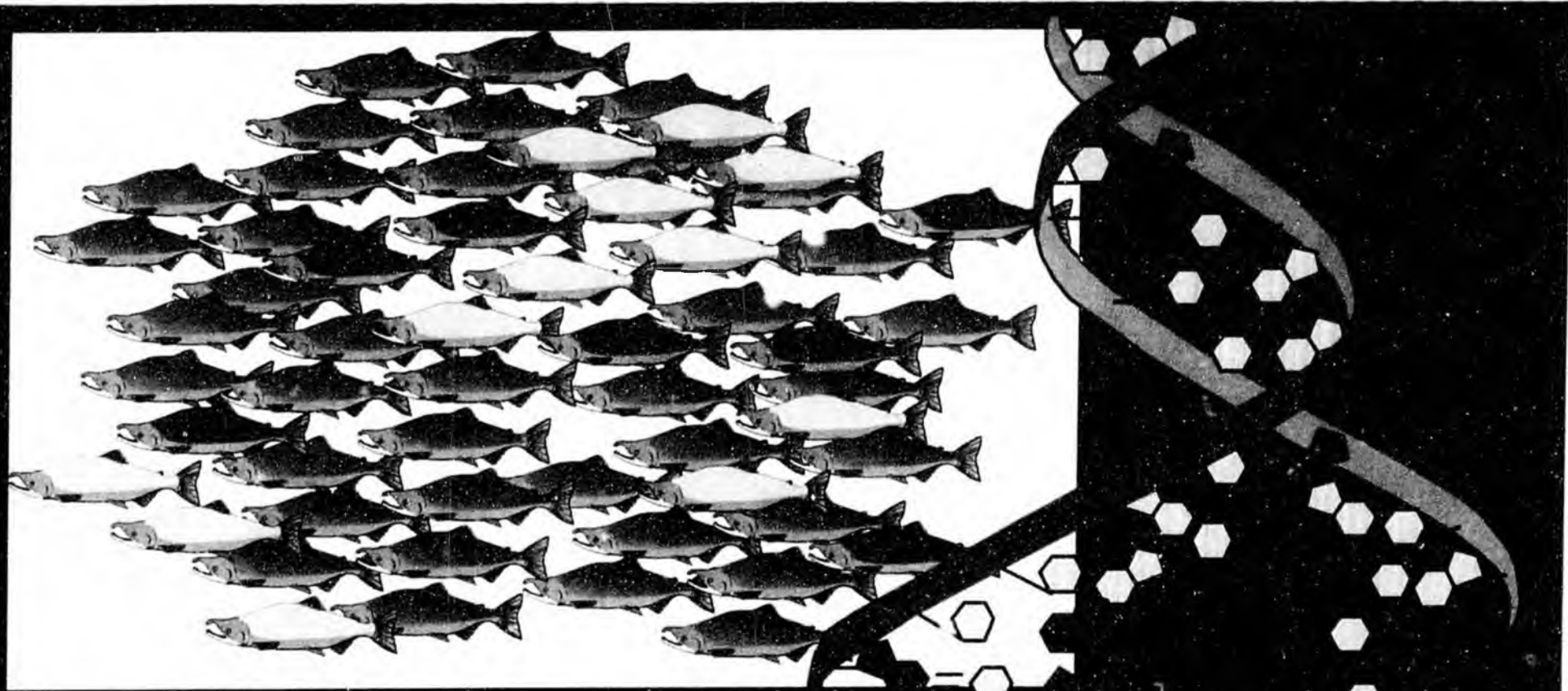
# Today's Topics

- Problem
- Analysis
- Needs



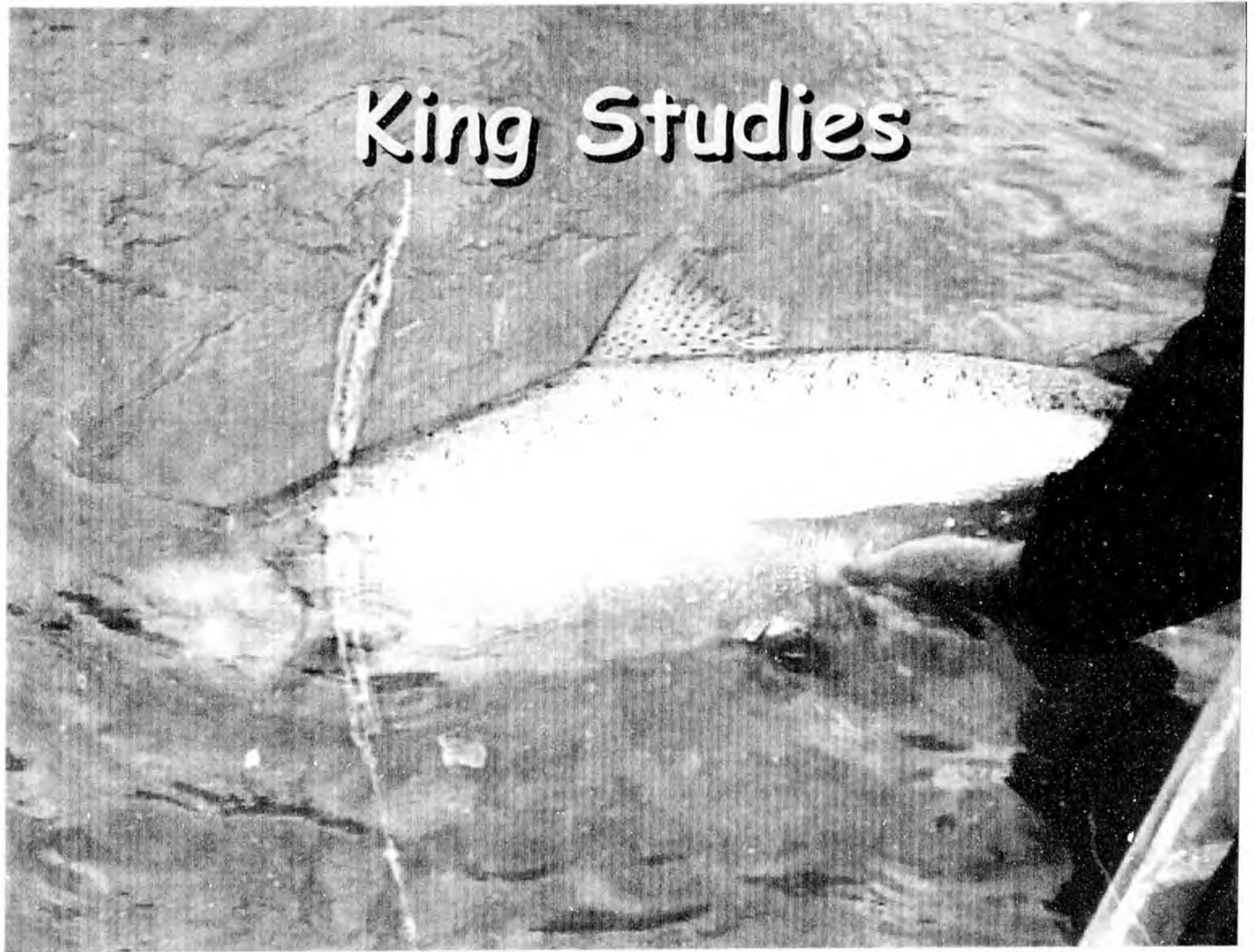
# Escapement Accuracy Studies

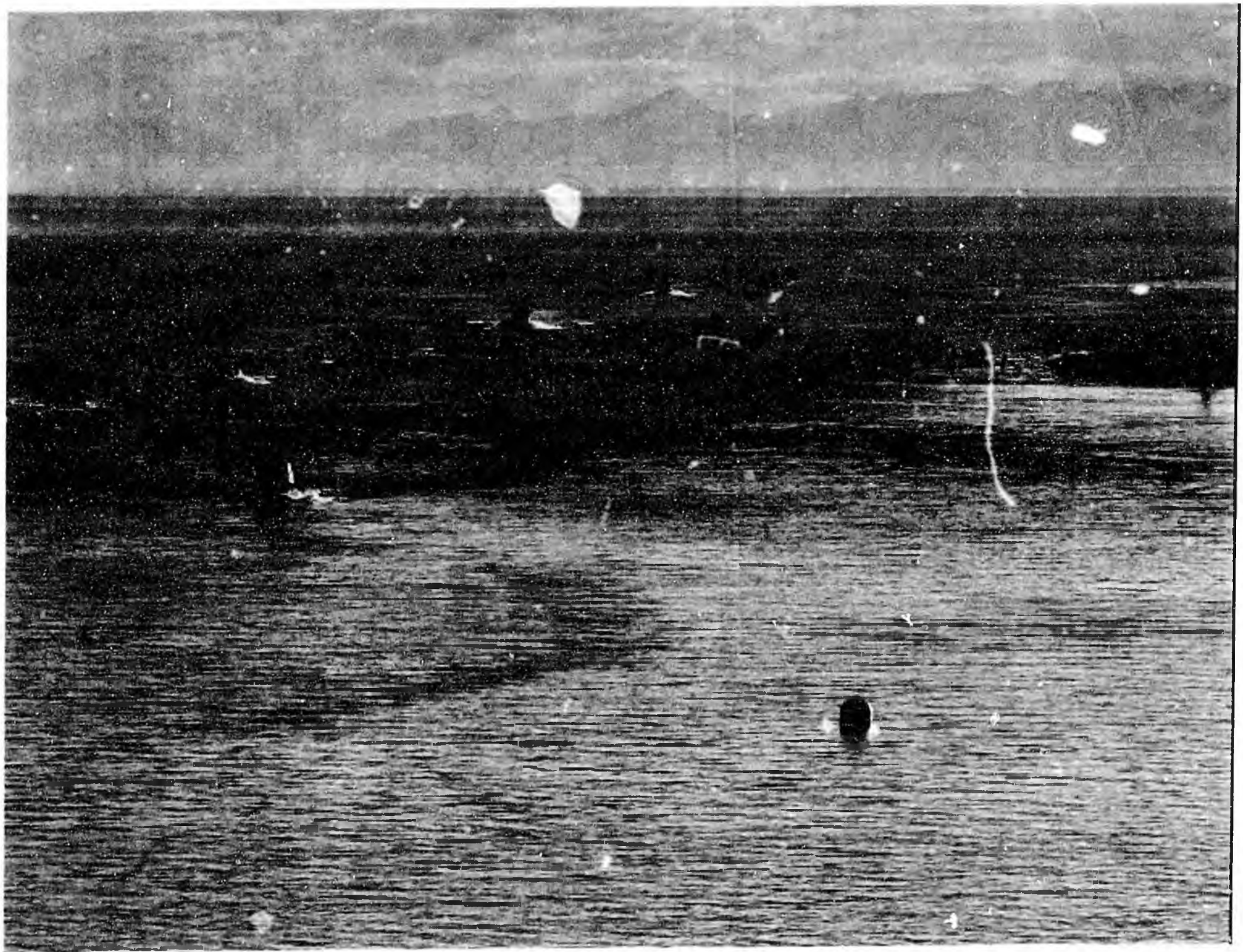




Genetic  
Stock  
Identification

# 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](http://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](mailto: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.

### **Background information about KRSA and case studies**

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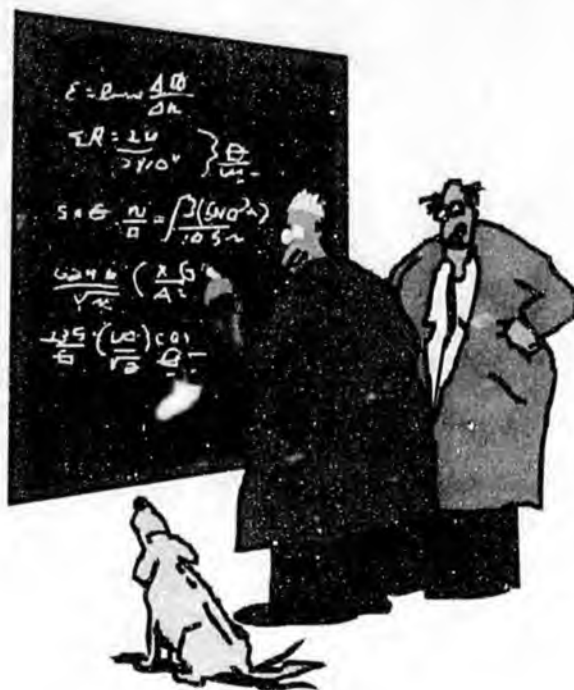
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**What:** Informational Presentation on a Simple Model for Analyzing Biological and Allocation Tradeoffs of Management Plan Alternatives

**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.
- Without a systematic analysis framework, evaluations can be confused or confounded by unstated and potentially subjective assumptions and judgments.
- 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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- The presentation includes a brief description of a computer model developed to facilitate analysis of Upper Cook Inlet fishery alternatives.
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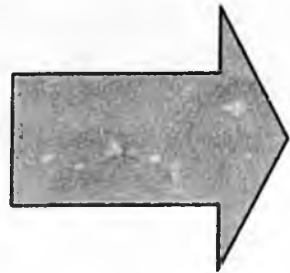
### *Example Questions that a Model Can Answer*

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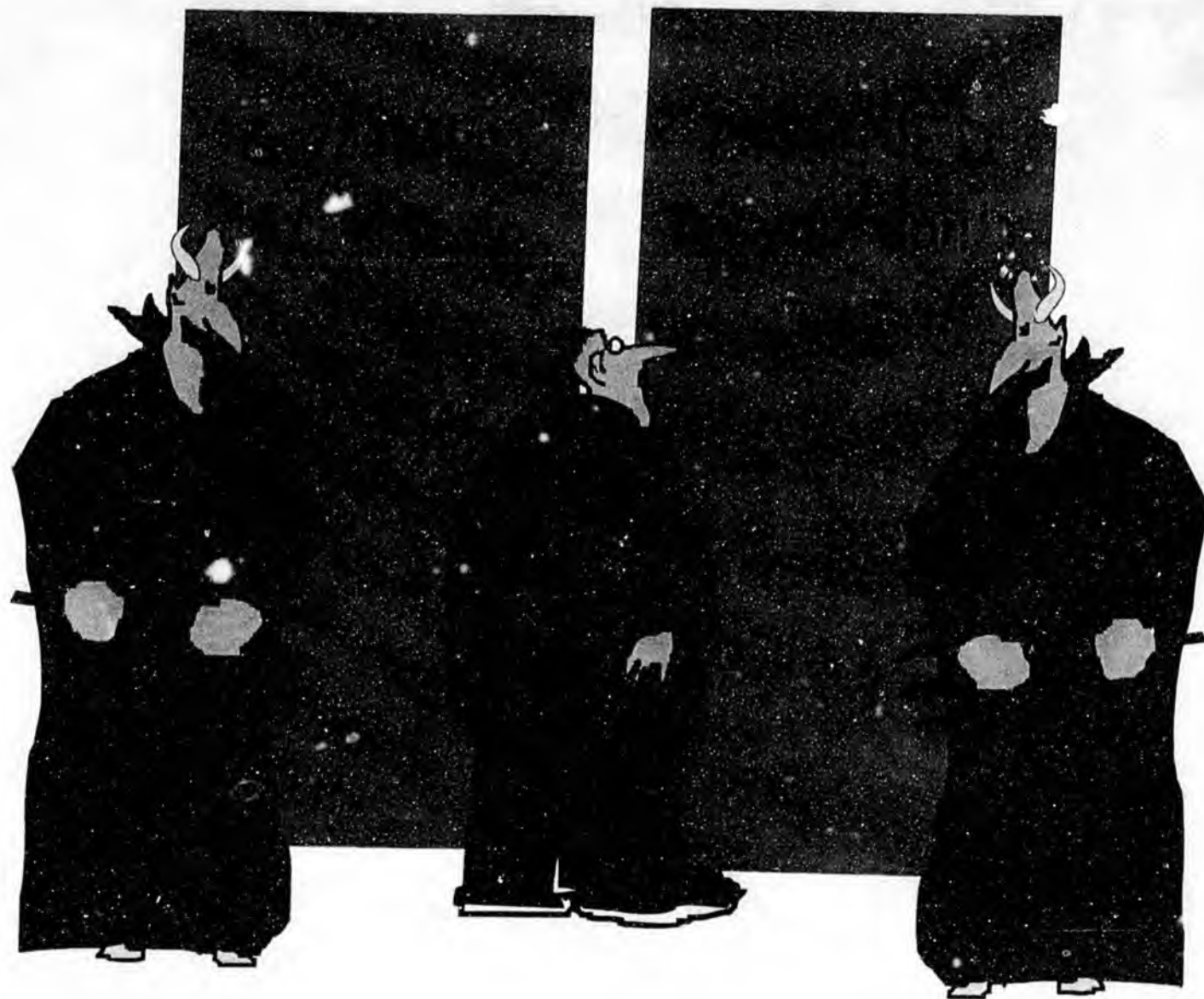
KENAI RIVER SPORTFISHING  
ASSOCIATION

# Today's Topics

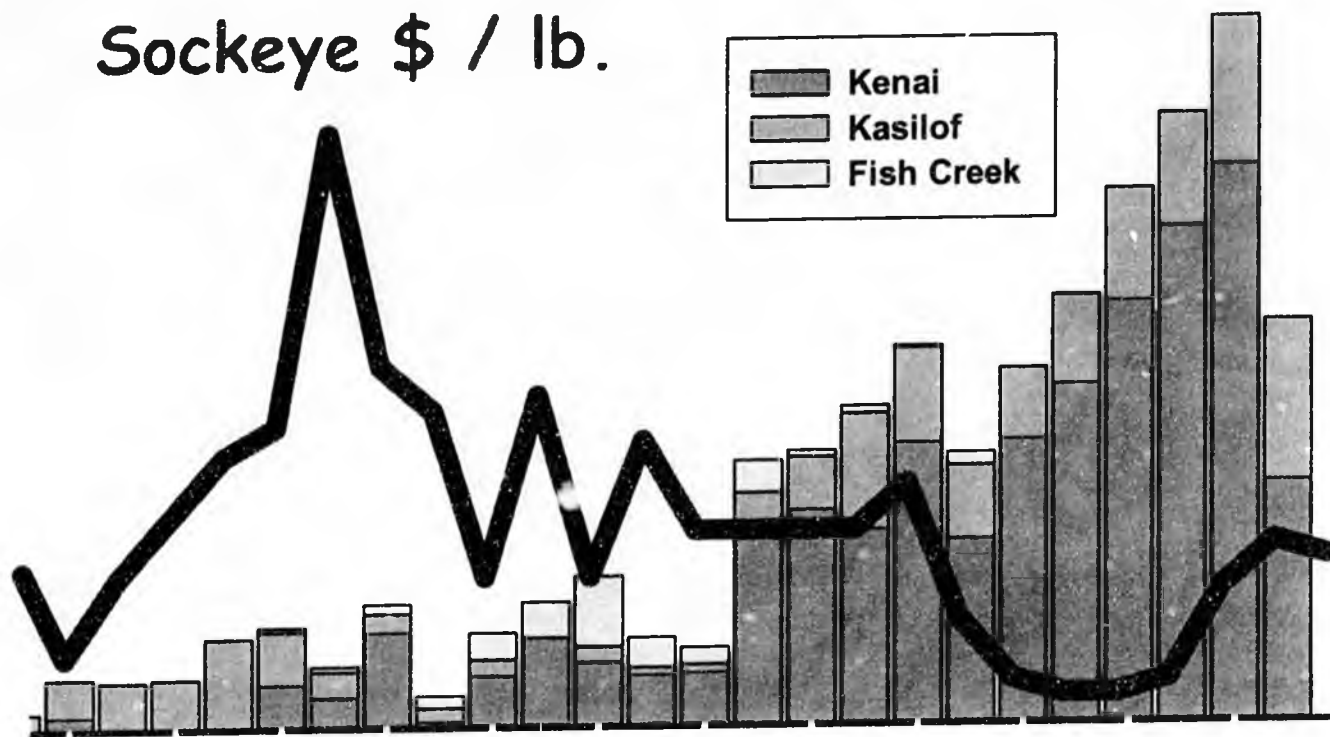


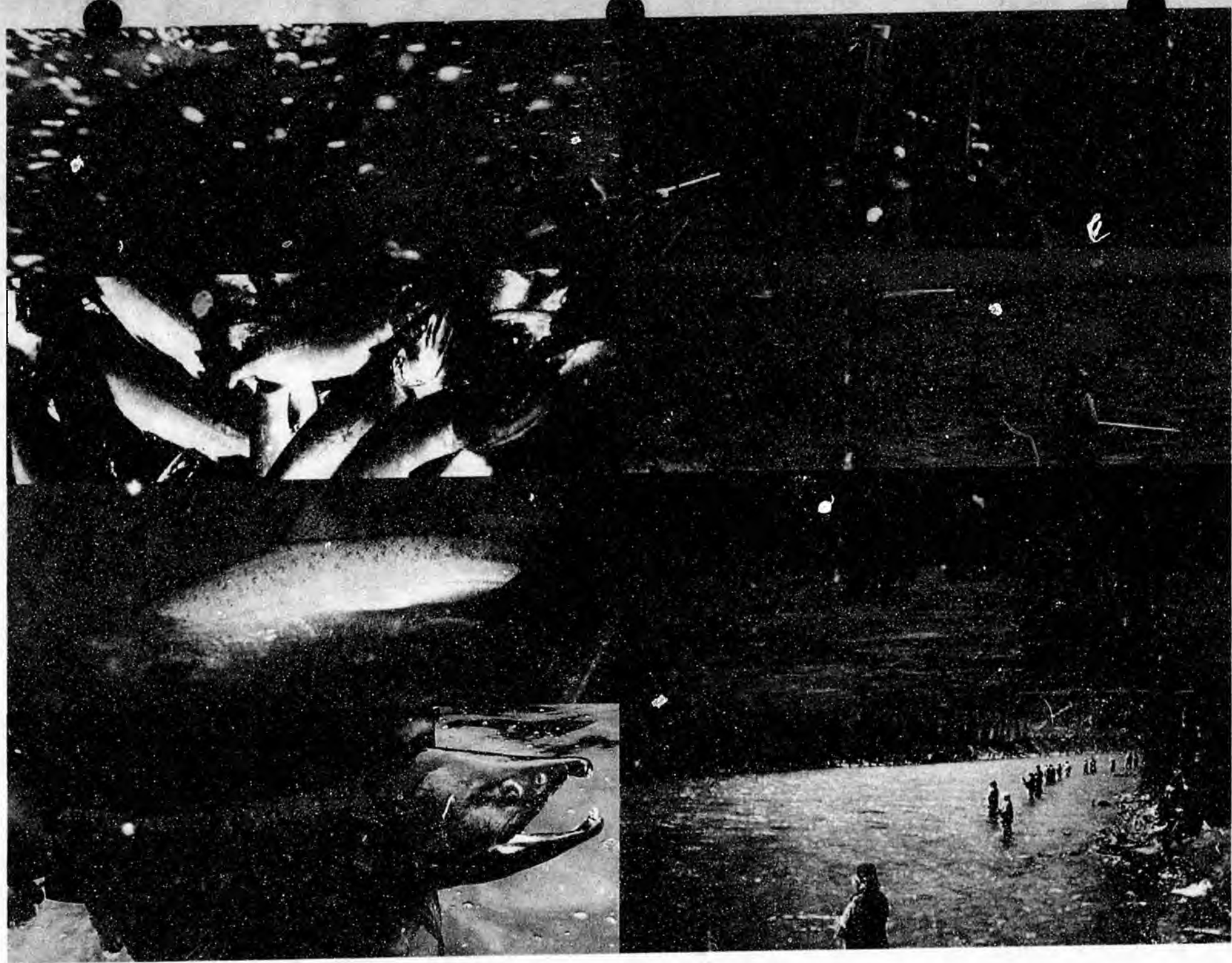
- Problem
- Analysis
- Needs

# Cook Inlet Fishery Management



# Competing Values

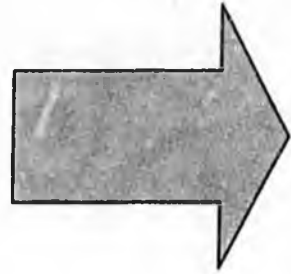




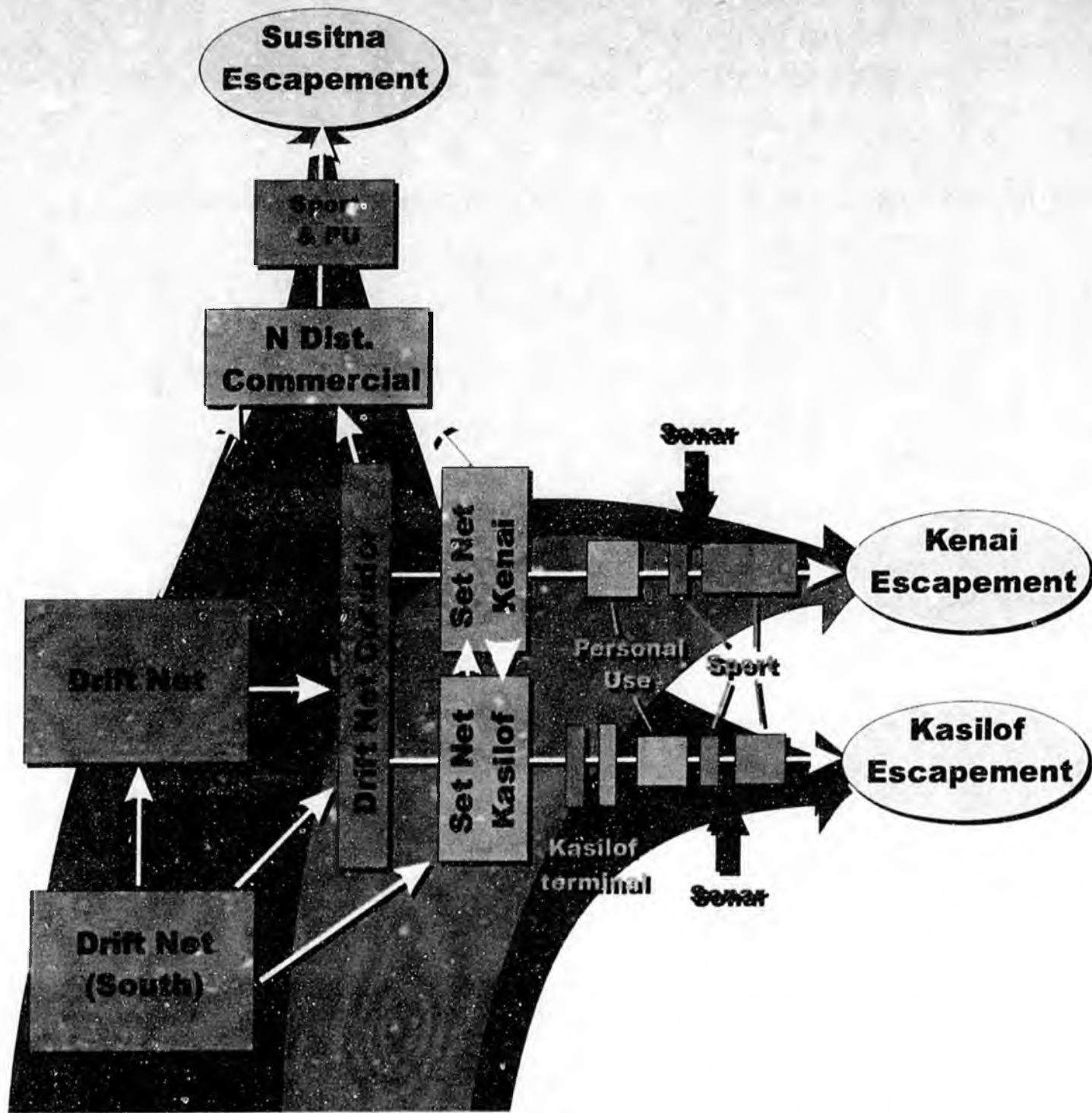


**Management  
accuracy**

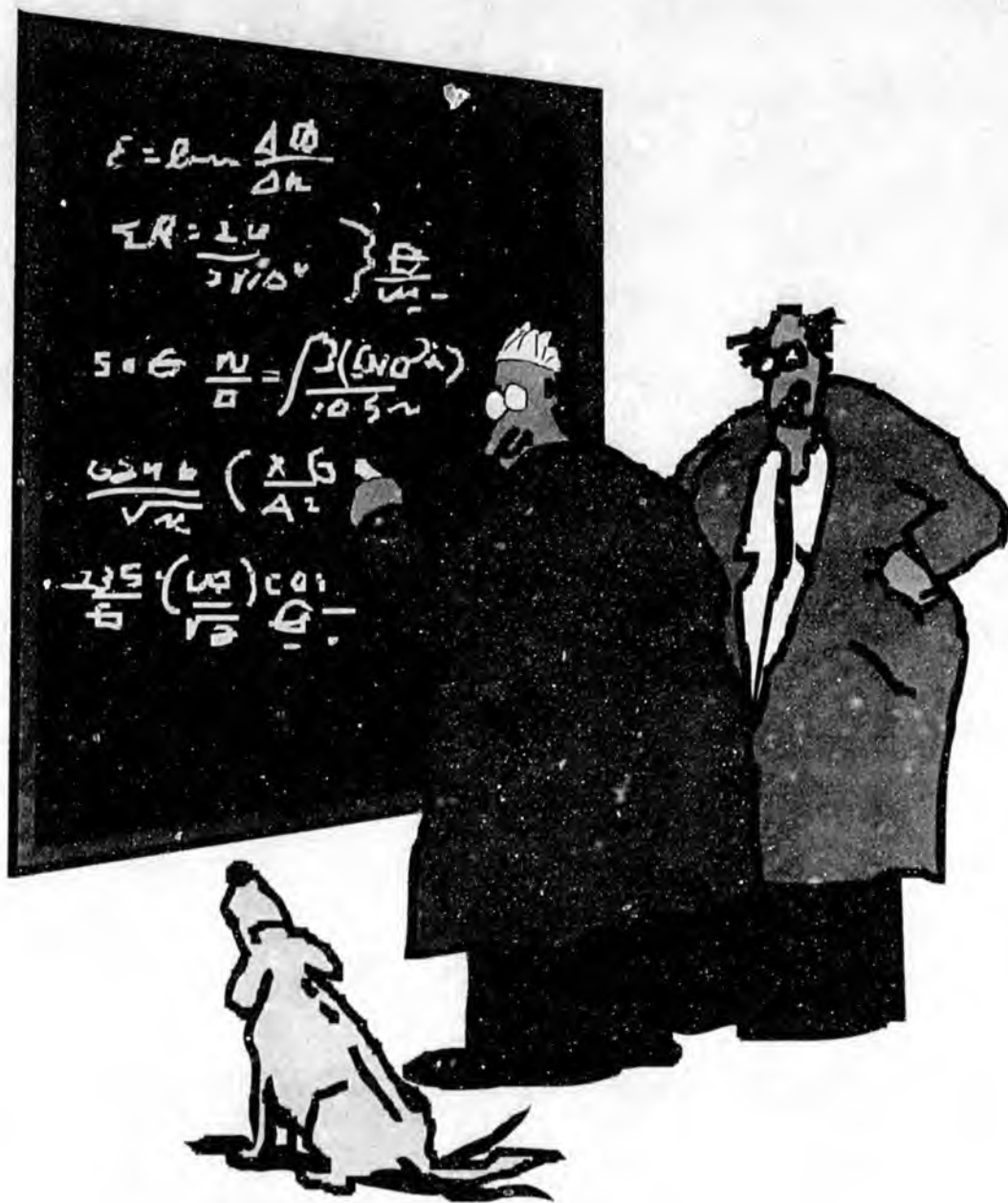
# Today's Topics



- 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  |    |

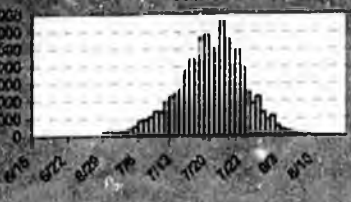
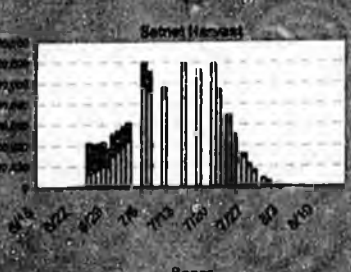
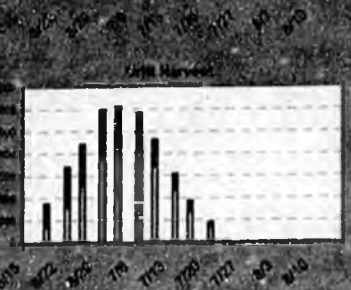
Run

| 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<br><input type="radio"/> 2008<br><input type="radio"/> 2007<br><input type="radio"/> 2006<br><input type="radio"/> 2005<br><input type="radio"/> 2004<br><input type="radio"/> 2003<br><input type="radio"/> 2001<br><input type="radio"/> 2000<br><input type="radio"/> 1999 | <input type="radio"/> Clear<br><input type="radio"/> 2007<br><input type="radio"/> 2006<br><input type="radio"/> 2005<br><input type="radio"/> 2004<br><input type="radio"/> 2003<br><input type="radio"/> 2002<br><input type="radio"/> 2001<br><input type="radio"/> Current plan<br><input type="radio"/> Current no windows<br><input type="radio"/> Meet Yentna |

Reset

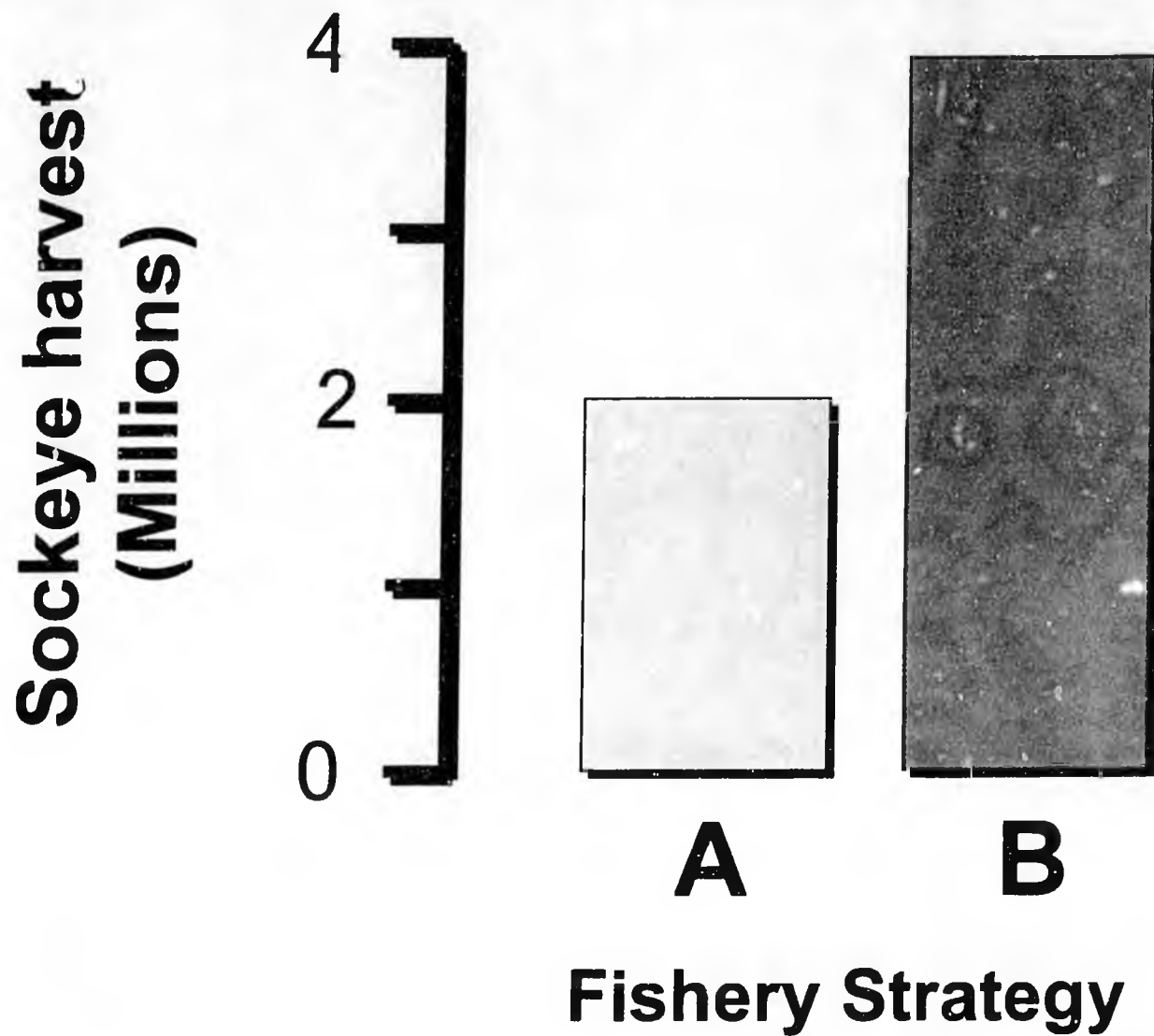
|              | Sockeye          |                |                |                | Total            | Share | Kings         |              |               |       |
|--------------|------------------|----------------|----------------|----------------|------------------|-------|---------------|--------------|---------------|-------|
|              | Kenai            | Kasilof        | Suaitna        | Other          |                  |       | Kenai         | Kasilof      | Total         | Share |
| Run          | 3,000,000        | 1,000,000      | 500,000        | 500,000        | 5,000,000        |       |               |              |               |       |
| Harvest      |                  |                |                |                |                  |       |               |              |               |       |
| Drift net    | 780,000          | 280,000        | 130,000        | 187,500        | 1,377,500        | 39%   | 1,100         | 200          | 1,300         |       |
| Set net      | 1,170,000        | 420,000        | 50,000         | 56,250         | 1,696,250        | 48%   | 14,000        | 1,800        | 15,800        |       |
| Subtotal     | 1,950,000        | 700,000        | 180,000        | 243,750        | 3,073,750        | 86%   | 15,100        | 2,000        | 17,100        |       |
| PU           | 170,000          | 60,000         | 0              | 0              | 220,000          | 8%    | 800           | 100          | 900           |       |
| Sport        | 250,000          | 20,000         | 0              | 0              | 270,000          | 8%    | 15,000        | 2,000        | 17,000        |       |
| Subtotal     | 420,000          | 70,000         | 0              | 0              | 490,000          | 14%   | 16,800        | 2,100        | 17,900        |       |
| <b>Total</b> | <b>2,370,000</b> | <b>770,000</b> | <b>180,000</b> | <b>243,750</b> | <b>3,563,750</b> |       | <b>30,900</b> | <b>4,100</b> | <b>35,000</b> |       |
| Escape       |                  |                |                |                |                  |       |               |              |               |       |
| Sonar        | 830,000          | 250,000        | 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%          |       |
| <b>Total</b> | <b>63%</b>       | <b>23%</b>     | <b>6%</b>      | <b>8%</b>      | <b>100%</b>      |       | <b>88%</b>    | <b>12%</b>   | <b>100%</b>   |       |
| 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%           |       |
| <b>Total</b> | <b>79%</b>       | <b>77%</b>     | <b>36%</b>     | <b>49%</b>     | <b>71%</b>       |       | <b>54%</b>    | <b>41%</b>   | <b>52%</b>    |       |



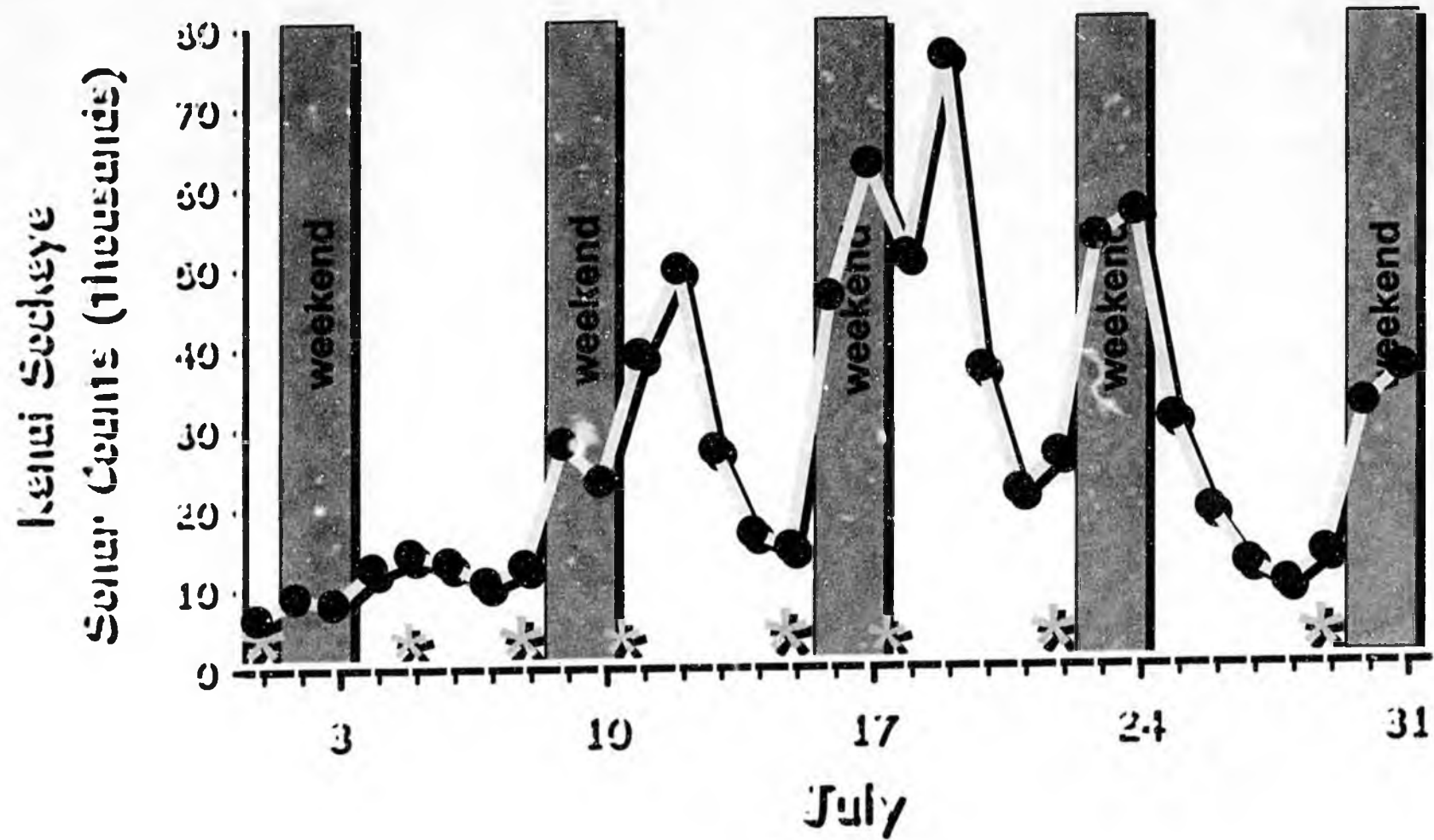
Show plot

- Kenai sockeye
- Kenai Chinook
- Kasilof sockeye
- Yentna Chinook

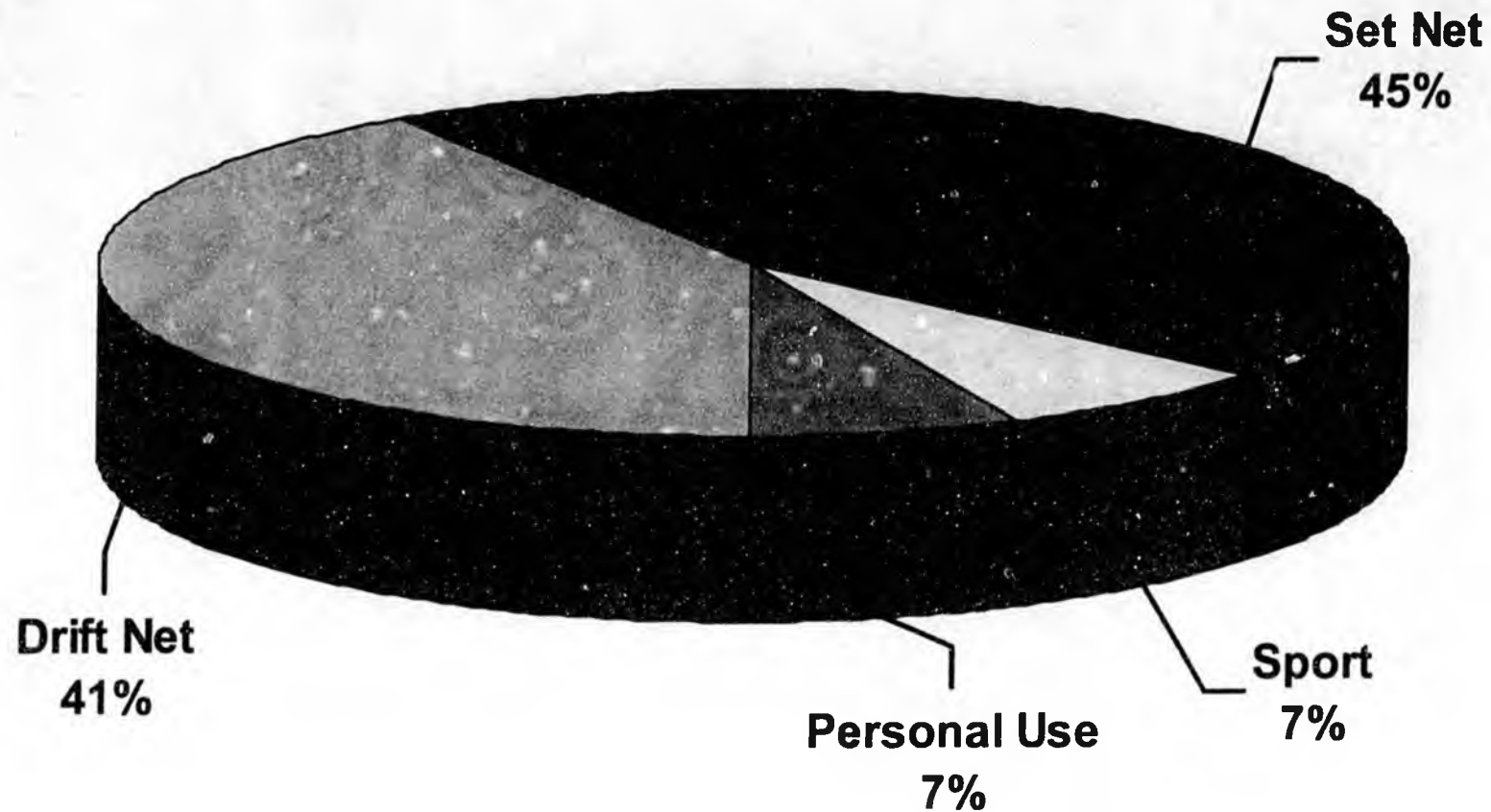
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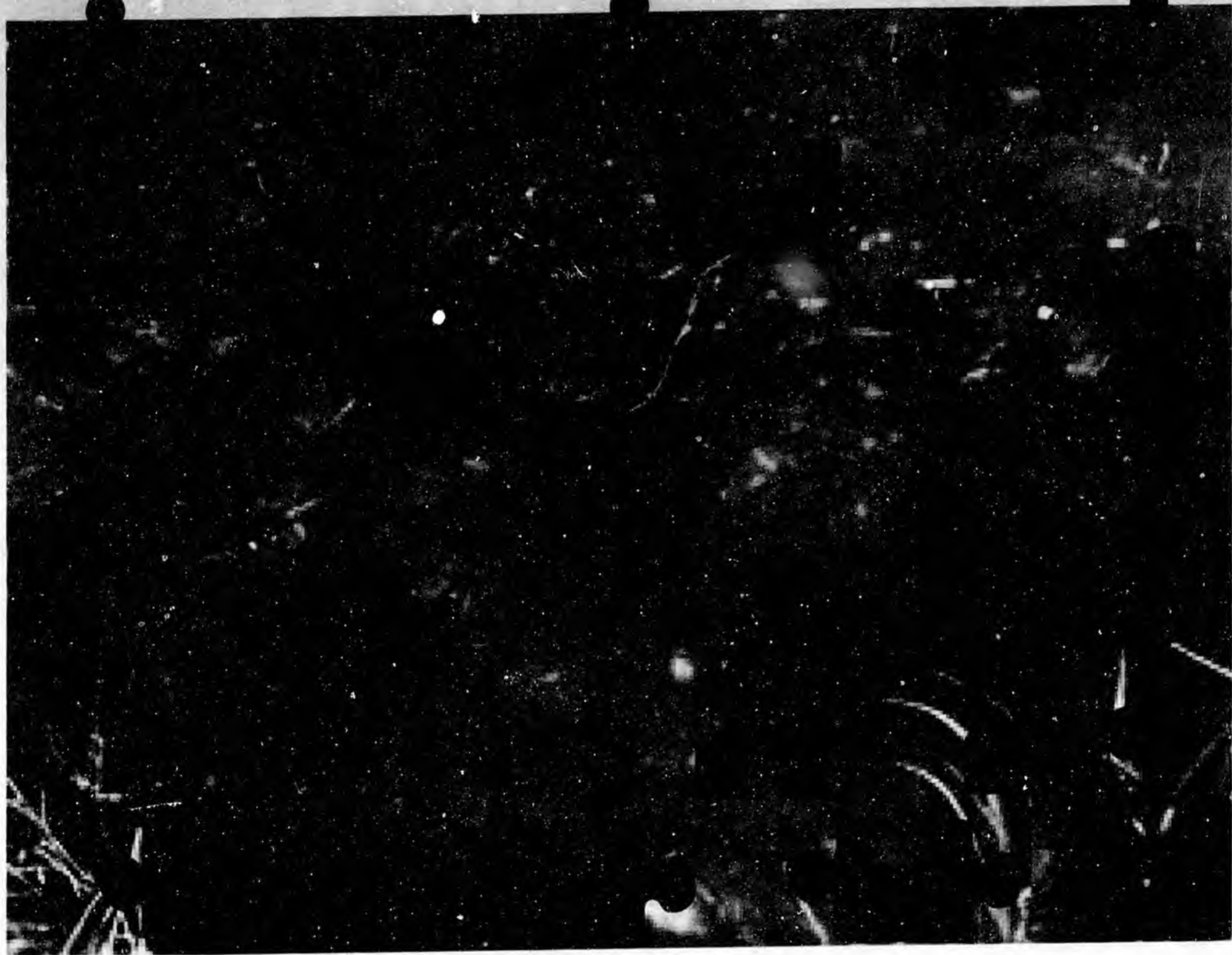
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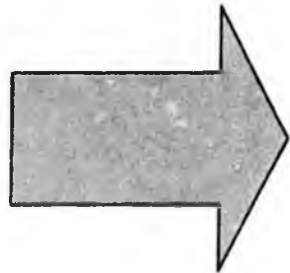


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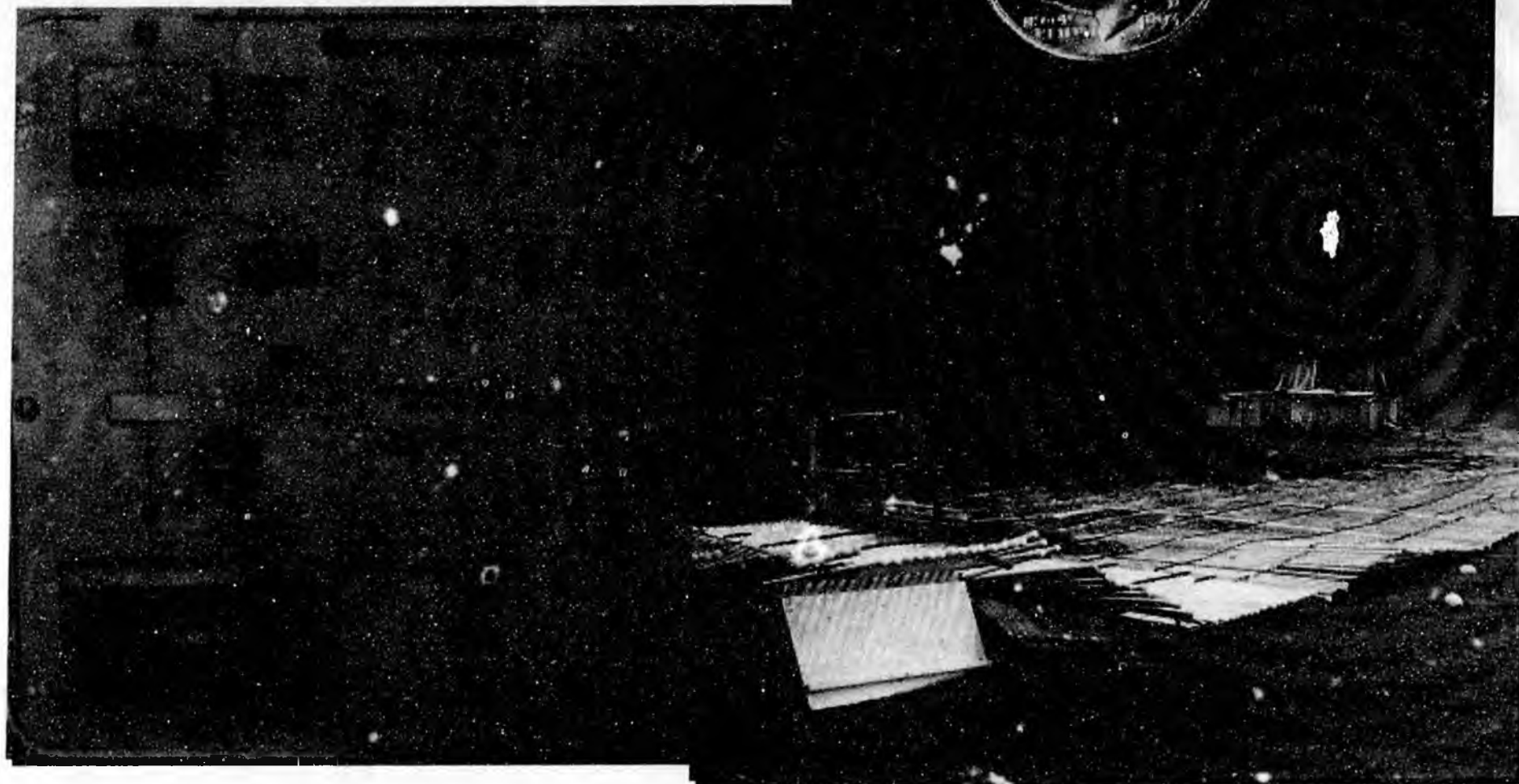


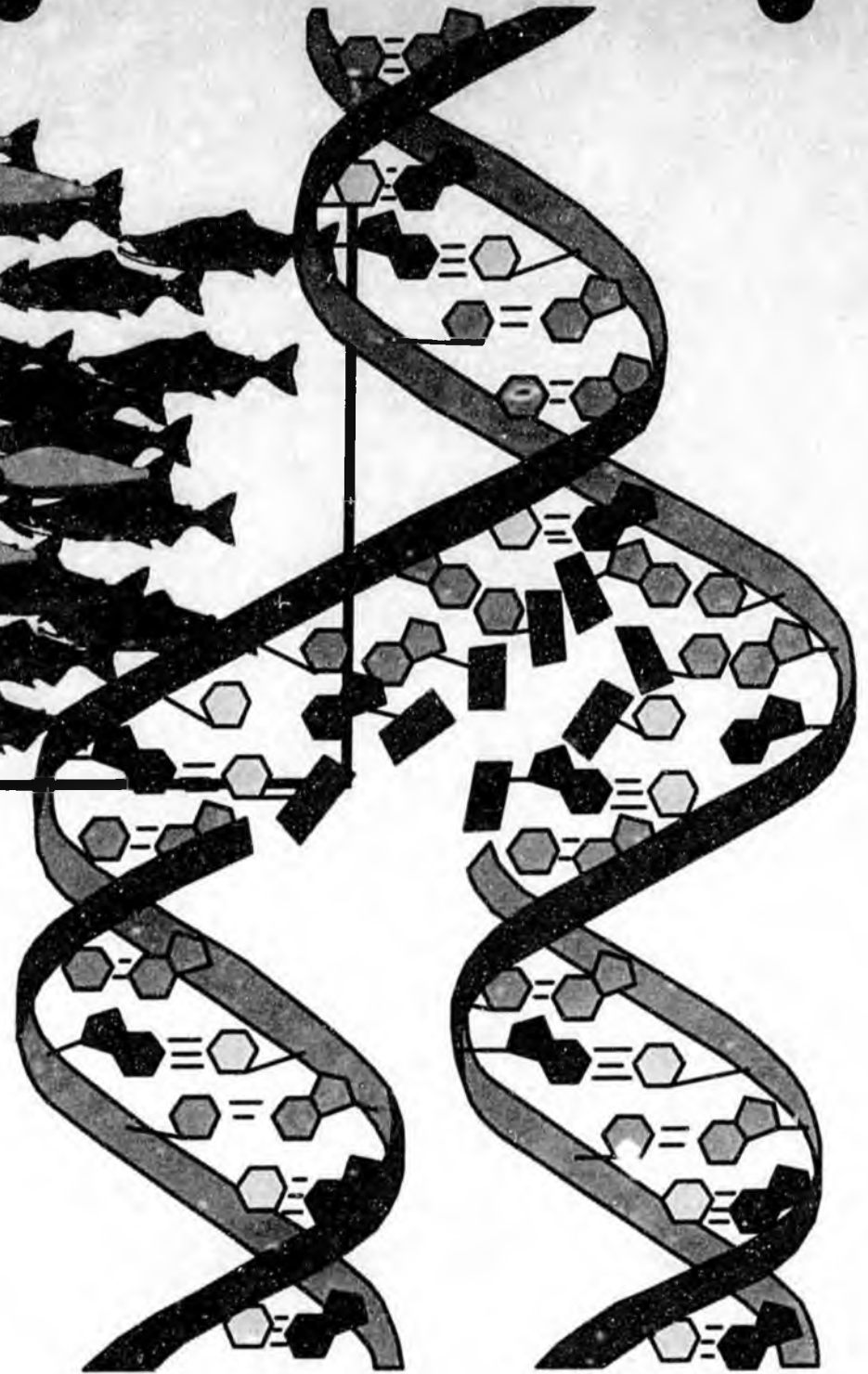
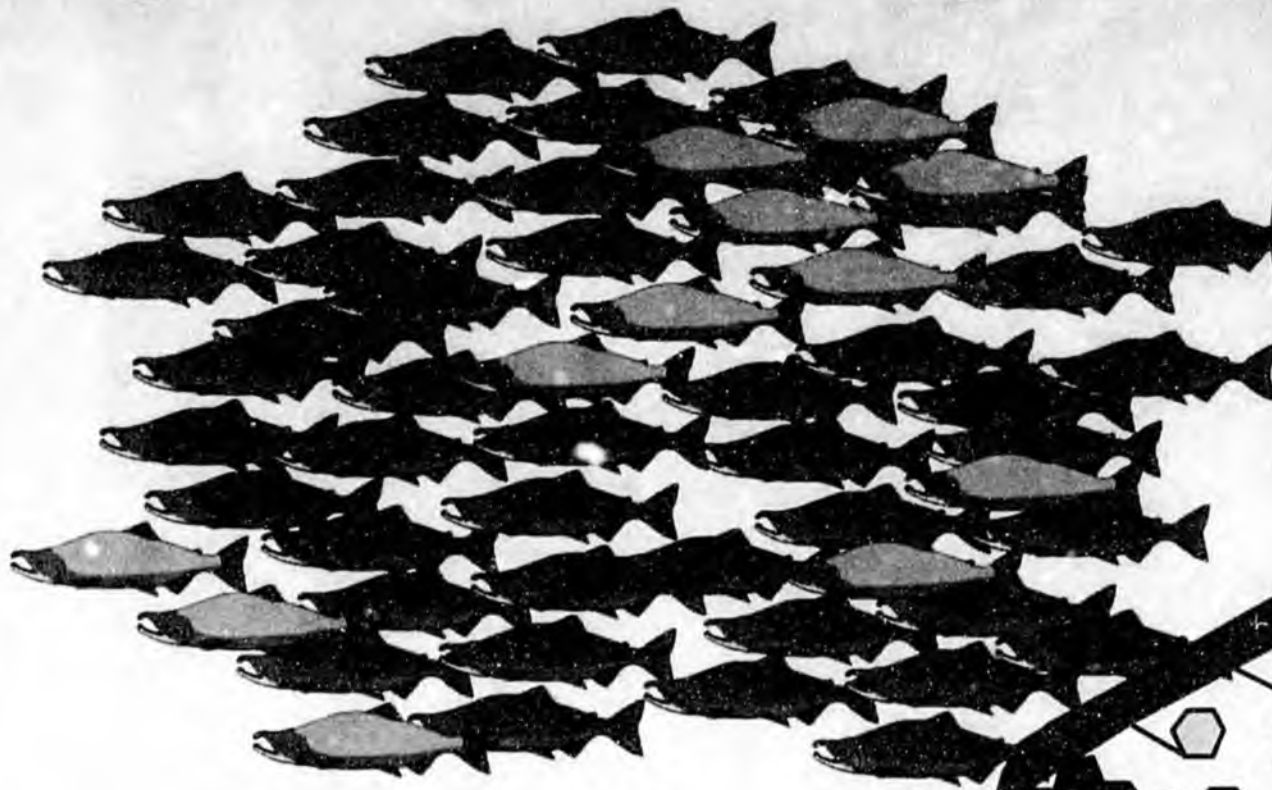
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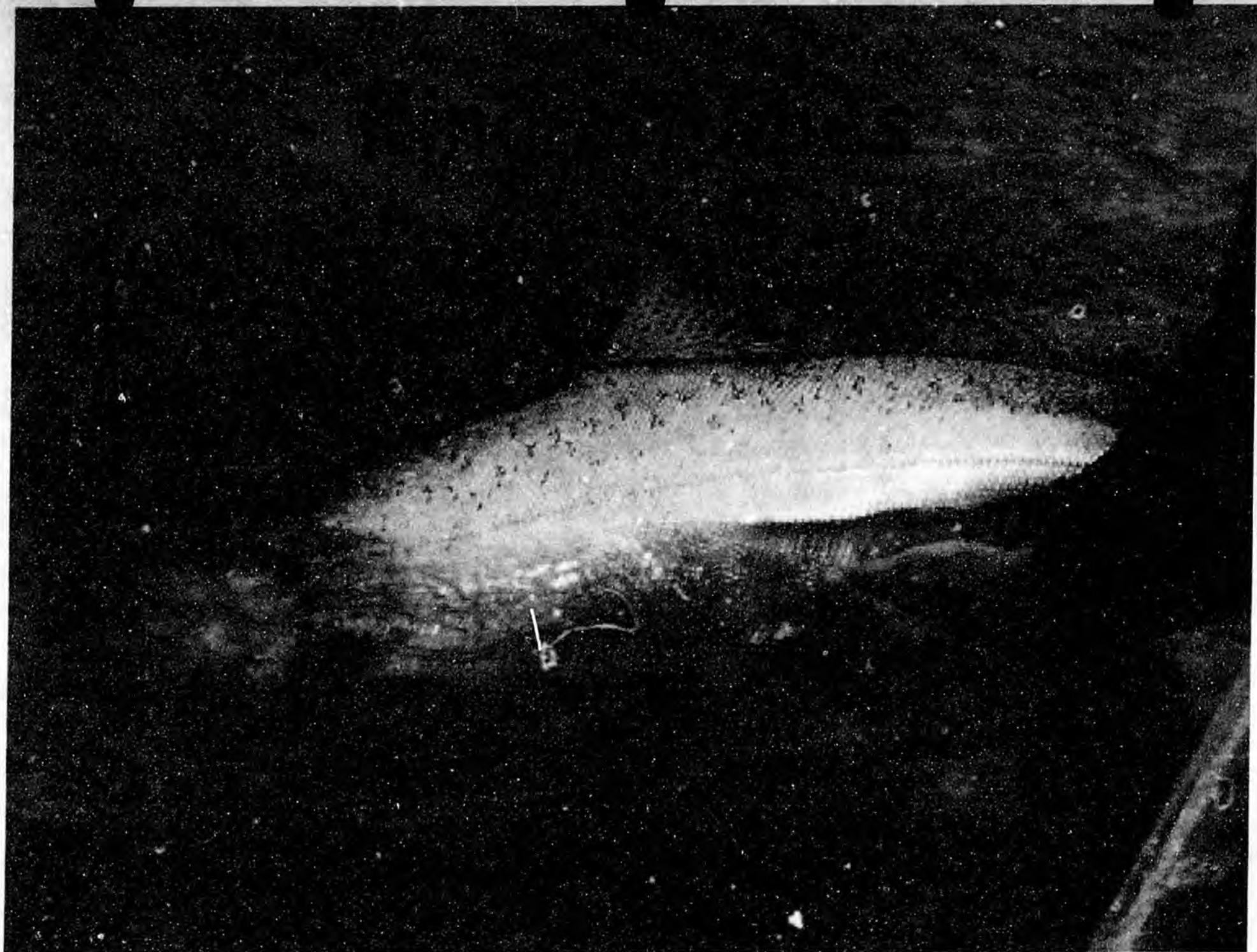
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Identification**





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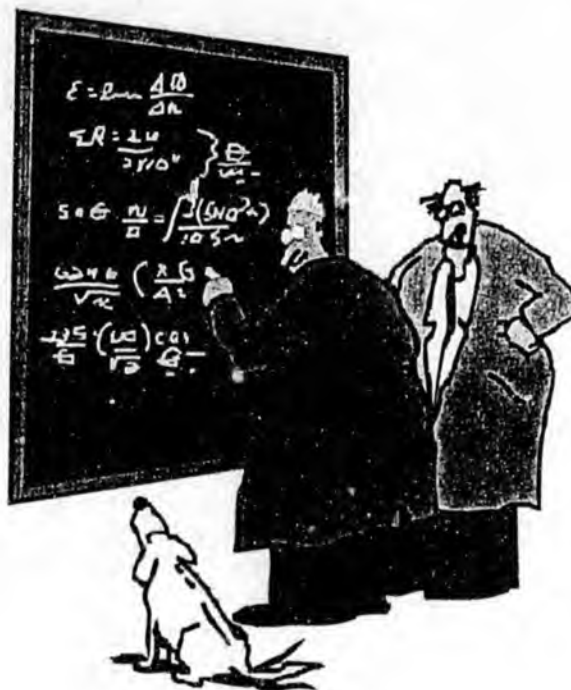
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----- Original Message -----

**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. The general public is suspicious 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 a presentation 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 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



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**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 to 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 implemented 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 