

1993 BRISTOL BAY STAFF MEETING MINUTES

February 23 - 25, 1993
Anchorage Regional Office
Anchorage, Alaska

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¹ Contribution 93-13 from the Bristol Bay area. The Regional Information Report Series was established in 1987 to provide an information access system for all unpublished divisional reports. These reports frequently serve diverse ad hoc informational purposes or archive basic uninterpreted data. To accommodate needs for up-to-date information, reports in this series may contain preliminary data.

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ASSIGNMENTS

Linda Brannian

1. Have Tim Baker work with Tom Brookover to produce a spreadsheet for calculating herring biomass estimates.
2. (with Bev Cross) Provide management biologists a study design to estimate the accuracy and precision of current counting tower procedures.

Tom Brookover

1. Complete the herring season outlook paper by March 8.
2. Get together with Kathy Rowell to discuss herring processor packets.
3. Work with Tim Baker (Biometrics) to produce a herring biomass estimate spreadsheet.
4. Provide Dennis Haanpaa with your portion of the salmon season outlook prior to April 1.

Drew Crawford

1. Have the Egegik River smolt crew check on the condition of the Egegik Test Fish tent platform and tent frame on their way up to the smolt site in May and report back to Barry Stratton ASAP.
2. Stop collecting AWL data for chum salmon in the Nushagak District.

Bev Cross

1. Look into the possibility of reducing AWL sample sizes on all tower projects. Write memo detailing sample size goals for escapement and catch.
2. Write memo to management staff which states the standards for expanding (extrapolating) tower counts past the ending date of a tower project.
3. (with Linda Brannian) Provide management biologists a study design to estimate the accuracy and precision of current counting tower procedures.

ASSIGNMENTS(Continued)

Ken Florey

1. Check on the ability of Tom Brookover to regulate the amount of time herring can be held in a seine.
2. Talk to Paul Krasnowski about borrowing one of the Naknek test fish boats for the Nushagak River sonar project.

Steve Fried

1. Determine what kind of radios were used in Prince William Sound field camps and see about the possibility of using these radios in Bristol Bay.

Dennis Haanpaa

1. Have Wayne Prigge provide a list of criteria for FB I overtime eligibility.
2. Have Jan Gamble send a copy of the August phone billings to the King Salmon and Dillingham offices next fall.
3. Have blue (2,500) and green (1,500) cards printed and sent to Dawn Jackson.
4. Order 2,000 transfer receipt forms and 6,000 agent authorization forms.
5. Complete the 1993 salmon season outlook paper by April 1.

Jeff Regnart

1. Review old Annual Management Reports and forecast reports to determine the conditions and objectives for using general district openings in past years.
2. Provide Linda Brannian with a cost/savings analysis of the tower count hourly suspensions.
3. Provide Dennis Haanpaa with your portion of the salmon season outlook prior to April 1.
4. Purchase a cellular phone that will be used to replace the Kvichak River Test Fish ICOM radio. Send the Kvichak River T.F. radio to Dillingham.

Kathy Rowell

1. Write the herring season summary following the herring season.
2. Get together with Tom Brookover to discuss herring processor packets.
3. Write letter to processors requesting their assistance with collecting herring samples this season.

ASSIGNMENTS(Continued)

Dick Russell

1. Provide Dennis Haanpaa with your portion of the salmon season outlook prior to April 1.

Jeff Skrade

1. Assigned as the 1993 Annual Management Report editor.
2. Have Dawn Jackson obtain CFEC mailing labels and have her mail out all blue and green cards.
3. Provide Dennis Haanpaa with your portion of the salmon season outlook prior to April 1.

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Attendees: James Brady, Linda Brannian, Tom Brookover, Drew Crawford, Bev Cross, Ken Florey, Steve Fried, Fritz Funk, Dennis Haanpaa (Chairman), Paul Larson (HQ), Jim Miller (Recorder), Wayne Prigge, Jeff Regnart, Kathy Rowell, Dick Russell, Jeff Skrade, Barry Stratton.

I. ADMINISTRATION

- A. Appointment of Chairman - Dennis Haanpaa.
- B. Assignment of Recorder - Jim Miller.
- C. Agenda Review/Additions/Deletions

ATTACHMENT 1 provides an outline of the issues and topics discussed during the meeting. Some additional topics were added in the appropriate location within the outline and they include:

- II. C. 10. Seasonal Employee References (Skrade)
- III. A. 7. Herring Biomass Conversion Factors (Brookover)
- III. A. 2. a) Herring catch at age analysis review (Funk)
- III. B. 1. g) General District Opening Concept (Florey)

II. REGIONAL ISSUES

A. Administrative Issues

- 1. Reorganization of Commercial Fisheries/F.R.E.D

Ken Florey discussed the reorganization process and stated that at this time there is not much action taking place. Florey had sent out a memo reviewing his thoughts and recommendations and that had prompted Dana Schmidt to do the same, but other than this very little has been done. Florey believes the

executive order that allows for the combining of the two divisions will pass. He also thinks that in the end we may just have two divisions with one director. Jeff Skrade asked Florey what if any comments he has received from the staff on the issue. Florey responded that he had received comments from the staff, but that they were somewhat divided on the issue depending upon whom was affected the most by the reorganization. Florey expressed a concern that, due to layoff rights and the bumping procedure, Comm. Fish. may be subject to both layoffs from within the division as well as layoffs from F.R.E.D. division.

B. Budget

1. FY '93 Pre-audit

Dennis Haanpaa informed staff that the pre-audits looked good and that pretty much everything that was asked for was approved. Central Region was \$24.8 thousand in the hole due to oil spill mis-coding. A \$61,000 deficit was bailed out by vessel charters. The confiscation of a herring vessel in Prince William Sound also helped out. Haanpaa said there may be additional money available.

1. a) Skrade asked how it was that herring took such a big cut. Haanpaa responded that herring was not the only project that was cut and that the budget cuts occurred last summer.

1. b) Kathy Rowell asked if there would be any additional cuts before the end of the fiscal year. Haanpaa anticipates no changes in the FY '93 budget.

1. c) Ken Florey stated the FY '94 budget should look good except for the cuts that took place in FY '93.

1. d) Bev Cross clarified through Florey and Haanpaa that no money was available in the FY '94 budget for Nushagak sonar coho operations. Tom Brookover mentioned that Bill Martin (sport fish lodge owner) is willing to assist funding Nushagak sonar coho and is wondering who he needs to talk to about it. Cross said he needs to talk to her. She stated that the project is currently funded to run through about July 25 and that to run it through August 25 it would cost an additional \$25,000.

2. Equipment Needs (Radios, Communications, etc)

Skrade expressed his concern of having only two decent single side band radios on the West Side. Brookover took all their side bands to a local vendor in Dillingham and instructed them to weed out the useless radios and

fix those that are worth keeping. Skrade said that they have many radios, but that most of them are junk. In the past they have sent the radios to Anchorage for repair, but the freight costs and the damage incurred with shipping was not worth it. Dick Russell mentioned that they have had no trouble shipping radios to Anchorage from the East Side, and he suggested the possibility of buying cellular phones on the East Side. Florey asked Steve Fried to determine if any radios are available from Prince William Sound. It was suggested that instead of buying a new radio, it would be cheaper for King Salmon to buy a cellular phone for one of their projects and then give Dillingham one of the East Side radios. Skrade, Russell, Regnart, and Brookover all agreed to this idea. So Dillingham will provide the East Side with a cellular phone and in trade King Salmon will give the West Side a side band.

3. Update on funding for Ugashik and Naknek smolt projects.

3. a) Russell, Drew Crawford, and Gust Gretchin Jr. (Mayor of Pilot Point) wrote a cooperative agreement for use of land on the Ugashik River. The agreement will be sent to Juneau. The Bristol Bay Borough has agreed to provide Pilot Pt. with \$400,000, but the money is still not yet available through Pilot Pt. It sounds like they are still interested, but the money is just not available. So the Ugashik smolt project at this point is not a done deal. Crawford gave them until March 15 to come up with the funding.

3. b) The Park Service asked Crawford how much it would cost to run a smolt project on the Naknek River. He estimated about \$50,000 per season. The Park Service agreed to provide \$25,000 per year for the next two years (1993 and 1994) for a total of \$50,000. The Park Service is willing to provide some funding, but it wanted ADF&G to also put up some money. There is no money available in the budget, so the project will be run on only \$25,000 per season. This means that the manpower used to run the project will be cut in half and some equipment and two volunteers will have to be borrowed from the Park Service. The lack of manpower will result in shorter counting days and a truncated season (about 80% of what was counted in the past). Florey asked Cross just what the project was buying us. She responded that it would provide good AWL information and decent estimates of smolt outmigration. The project has not been finalized yet. Cross and Crawford still need to write up an agreement with the Park Service. Brookover asked if fyke nets could be used in place of sonar. Cross responded that to obtain a decent population estimate, it would take more manpower to use fyke nets than it would to use sonar.

3. c) Russell asked if there was enough equipment to run the two smolt projects. Cross and Crawford stated that most of the Ugashik gear is still in

storage and in good shape and that most of the Naknek gear will come from old West Side smolt projects. The Park Service is providing a boat for the Naknek project.

4. CIP Update

Brookover stated that there is CIP money available. The Game Div. building in Dillingham is condemned and they must move out of it. They must either move to another building or build a new one. Building a new complex for all divisions would work best but the money is not available for that. They could use a pre-fab building for game and subsistence Divisions for now and then build on to that at a later date for Sport and Comm. Fish. Skrade believes that they will use the CIP money that is available and fix up an existing building. Money proposed in the FY '94 budget for King Salmon and Dillingham complexes is as follows:

\$ 50,000 -- Fuel Tank (King Salmon)
\$ 50,000 -- Roof Replacement (King Salmon)
\$ 150,000 -- Bunkhouse (Dillingham)
\$ 190,000 -- Office (Dillingham)

5. Lease Fees

5. a) According to Crawford, the Igushik test fish land lease is a done deal. We can use the land in exchange for \$600 worth of gas per year.

5. b) Skrade felt that the herring camps (especially Metervik Bay) need to be cleaned up this spring. Haanpaa expressed reluctance to tear down any camps in the event that we might use them again next year.

5. c) Regnart is working with D.O.T. on a land lease agreement for Kvichak tower. We are trying to eventually acquire the land from D.O.T.

5. d) Russell said that other land leases on the East Side have been accounted for in the FY '93 pre-audit.

6. Phone Bill Tracking System

6. a) Phone billing updates were supplied to King Salmon twice throughout the year and no problems were found so the tracking was discontinued for the East Side.

6. b) Dawn Jackson reviewed the West Side billings and did not highlight anything so Skrade assumed there were no problems on the West Side.

6. c) Skrade liked the tracking system, and it was decided to have Jan Gamble send a copy of phone billings only once per year. Haanpaa asked both Russell and Skrade what month out of the year they would like to see the phone billings. They both agreed that they would like Jan to send a copy of the August billings.

C. Personnel

1. PDQ Update

1. a) If no evaluation is due prior to March 19 then the one page form must be filled out and submitted to Wayne Prigge. After March 19 all new evaluations must include a PDQ.

1. b) Rowell brought up a question about PDQ's and shared PCN's. Specifically, she asked if a single PDQ was written for both positions or if each position required a separate PDQ. This question will be answered later by Prigge.

1. c) Skrade expressed concern over shared PCN's and the possibility of not having enough PCN's available inseason if somebody decides to work only one of the shared positions. He asked if it was possible to hold PCN's in case this happens. Haanpaa said not to worry, that there would be PCN's available.

1. d) Barry Stratton asked why PDQ's cannot be submitted now instead of waiting until the beginning of the field season. He would prefer to submit them now in order to iron out problems before the beginning of the season. Florey suggested sending the PDQ to the employee for a signature before the field season. This question will be answered later by Prigge.

1. e) The question of PDQ's and overtime eligibility for FB I's was asked by Stratton and a discussion followed. There was a question as to what the criteria are for determining FB I overtime eligibility. Florey requested a copy of Vince Golembeski's and Fred Tilly's PDQ's so he could see what the differences are between their job descriptions. Haanpaa will obtain from Prigge a list of the criteria used to determine FB I overtime eligibility.

2. PCN's for overlapping positions.

This topic was discussed in part II C. 1. c.

3. Seasonal Hiring

This topic will be discussed in part III (Program Review).

4. Seasonal employees soliciting employment during work hours.

Skrade expressed his concern over seasonal employees soliciting employment while on state hours and using state phones. Russell does not have a problem with it. The supervisors have usually done this for the seasonals in the past, and Russell would rather have the seasonals do it themselves. Haanpaa stressed that they should be doing it on their own time. This issue was left up to the discretion of the supervisor.

5. Seasonal employee evaluation due dates.

Officially, the evaluation should be reviewed and signed by the employee before they leave, but this is not always practical. No due dates were set, but according to Prigge, the evaluations should be written as soon as possible following the employee's termination. Haanpaa wants to avoid having evaluations written months after the employee has terminated.

6. Retirement Outlook

Skrade will retire June 1, 1994. Brookover will assist with Nushagak River management for the 1993 season, but Skrade will still take the lead role. Brookover will provide more assistance than in the past, but the amount of time he will have available for Nushagak management is limited by his Togiak management duties. Brookover asked if there would be money available for training Skrade's replacement before Skrade retires. Haanpaa responded that the availability of money is dependent on the FY '94 budget.

Russell is eligible for retirement, but he has made no plans to retire at this time.

7. CFEC (Florey)

At this point CFEC plans are the same as last season. One CFEC personnel will come to the Bay and spend some time in Dillingham for herring and then move on to King Salmon for the salmon season. If CFEC takes a budget cut, then there may be no CFEC personnel in the Bay this season. If this occurs, transfers will not be entered into the computer system.

8. Future of East Side management trainee position.

Warner Lew currently has a position with the University of Washington that lasts through June 30. He informed Russell that he will try to leave his UW position early so that he can be in the Bay by June 16. Russell needs to contact him again to determine if he is still interested in the management

trainee position. It was suggested that if Lew did not return, the money could be used to fund the training of Skrade's replacement on the West Side. Florey felt that the management trainee position provides a great deal of assistance to the East Side staff and that it may be needed more in King Salmon than in Dillingham.

9. New test fish/catch sampling position.

Jeff Regnart would like to begin an inside test fishing project on the Naknek River. There is no funding available for this project, so Regnart is considering asking the Borough for funding. The project would be based out of the King Salmon complex, and therefore should not be too expensive. Regnart would have to come up with a boat and motor, but he believes he may be able to borrow one of the Sport Fish boats. Regnart will be looking into this before the beginning of the season.

10. Seasonal References

Skrade wants direction from Prigge concerning what questions can be answered when a potential employer calls for a job reference on one of our seasonal employees. This will be addressed by Prigge.

11. Wayne Prigge question and answer session.

11. a) PDQ's and Shared PCN's. How do supervisors write PDQ's for a shared PCN? It appears that there are a few options. The first option is for the two supervisors to write the PDQ collectively. Skrade suggested a second option which would be to write the PDQ specific to the job instead of the PCN. Prigge said this would require multiple PDQ's for one PCN, which is not possible. He said that to do this we would have to have a PCN and PDQ for each position (multiple PCN's). Skrade liked this idea but Prigge pointed out that there are not enough PCN's in the Bay to do this for every position. Russell brought up a third option when he asked about PCN's that are loaned to an area outside of Bristol Bay. Prigge said that the PDQ would still be based on the Bristol Bay position, so it would not have to be re-written for the position to which the PCN is being loaned. In this case, two separate evaluations can be written.

11. b) FB I overtime eligibility. What are the criteria? Prigge said that the criteria for determining FB I eligibility are determined by Elaine Williams in Juneau. He said that one of the criteria is whether or not the FB I supervises and evaluates subordinates. Eligibility is also determined by whether the FB I is only collecting data in the field or if the FB I is collecting and analyzing data. Prigge will provide us with a list of the criteria used for determining FB

I overtime eligibility.

Prigge returned later in the meeting to discuss FB I overtime eligibility and the Fred Tilly dilemma was discussed. If Fred still wants the overtime, he can be placed into a Tech II position and his PDQ can be re-written to allow for overtime. The drawback would be that his duties would change.

11. c) List of returning seasonal employees. Supervisors can check with Prigge to determine which employees are returning.

11. d) PDQ signatures. Stratton asked Prigge if PDQ's can be sent to Juneau now instead of at the beginning of the field season. Wayne said that the PDQ's must be signed by the employee before they are sent to Juneau. There are two ways of doing this; 1) send the PDQ to them now and have them sign it, or 2) have them sign it at the beginning of the season. He said that PDQ's for vacant PCN's do not require a signature.

11. e) Miscellaneous. Hiring procedures will be the same as in past years. The clearinghouse is being used again this season. Prigge stressed that it is important to keep employee evaluation files up to date. Russell asked if there would be another Field Office Assistant workshop this spring. Prigge said there would be no FOA workshop, but that the FOA workbook will be updated.

D. Meeting Schedule and Attendance.

1. Bristol Bay Fish Conference. Scheduled for the 3rd week in April. Skrade and Brookover will be attending. No East Side or Regional staff will attend.

2. Enforcement Training. Regnart and Brookover will be attending enforcement training classes in Sitka the week of March 8.

III. PROGRAM REVIEW

A. Herring - 1993 season.

1. New Program

1. a) & b) Operation Headquarters/Housing and Eating Facilities. A lease agreement with TFI was put together by Administration in Anchorage. TFI, however, wants an informal rental type agreement. Apparently some lawyers are involved in producing this agreement. Brookover needs to check with Admin. to see if an informal agreement is possible. Victor Leamer in Juneau is working with TFI to produce an agreement - they just need to work out the

details. Florey suggested that since TFI is the only acceptable facility that is available in Togiak, then an agreement could be made without a lease. Haanpaa, Brookover, and Victor Leamer will get together to come up with an agreement. TFI will provide office space, bunkhouse, and meals. They will also allow us to set up both a SSB and VHF radio and antenna. A phone line will also be available, so a FAX machine may be used. Tom plans to have a couple skiffs available. Regnart really liked the fact that TFI would be providing three meals a day, plus mug-ups!

1. c) Aerial Surveys. Tom Brookover received five separate bids for a helicopter. All five exceeded the 'do not exceed' price. Therefore, Brookover looked into chartering both a helicopter and fixed wing aircraft and decided to go with this combination. The \$36,000 funded for surveying time will be split between the two and provide 39 hr of helicopter time and 45 hr of fixed wing time. (This is compared to only 54 hr of helicopter time if only a helicopter were used.) The fixed wing will be used for biomass surveys and the helicopter will be used more for 'hands-on' work. There is some question as to whether or not there is an upper limit for the charters. Originally Admin. said no, now they are saying there is an upper limit. Brookover will call Admin. and check on the matter.

1. d) Sampling Program. Three technicians will be available for sampling. Rowell stressed that this year she will be more reliant on the processors to provide samples. She will rely on the aerial surveys to inform her of where the biomass is and then she will ask the processor to help provide the samples. It was suggested that since the processors will be expected to assist in obtaining samples, they could also assist in finding boats for test fishing. She expressed her concern of possibly not obtaining samples from the backside of the run due to her reliance on processors. Haanpaa suggested that Rowell send a letter to all the processors to request their help this season. Rowell said that she had budgeted to place technicians on processing ships if that became necessary. Skrade asked if a forecast could still be produced using such spotty sampling data. Fritz Funk said that a forecast could still be produced. Brookover intends to obtain some point estimates prior to fishing. He will have to go through the bid process. Rowell requested use of one of the portable "notebook" computers. Brookover had earlier asked Cross if he could use the Nushagak sonar portable. The Biometrics computer is also available, so Rowell can borrow one and Brookover can borrow the other. Rowell is also borrowing a sampling board from Cook Inlet. Rowell will have to obtain water temperatures from the processors.

1. e) Work Force. Four seasonals will work during the herring season: Sven Gustafson, Mary Schwenzfeier, and Sue McNeil will be designated samplers and Brad Palach will assist the management staff. Permanent staff will be

composed of Skrade, Brookover, and Rowell. Haanpaa will represent the Regional staff. Bob Clasby may make an appearance. No other Regional or Headquarter staff are expected.

2. Forecast, Outlook, Markets. (ATTACHMENTS 2 & 3)

2. a) 1992 Review and 1993 Forecast. Weather conditions cooperated in 1992 and allowed for good aerial survey estimates. Good biomass estimates were obtained. The 1992 season was characterized by a large and compacted run. Rowell distributed a packet of graphics which summarized the 1992 season: ATTACHMENT 2A -return of age-4 and -5 herring was much larger than expected, while the return of age-8 and -9 was much smaller then expected; ATTACHMENT 2B - decline in biomass over last few years, but was an increase in 1992; ATTACHMENT 2C - big increase in age-5 biomass in 1992; ATTACHMENTS 2D & 2C - high percentage of age-4 and -5 in 1992 and a forecasted high percentage of age-5 and -6 for 1993. Florey asked how accurate the herring forecast has been and found that it has not been very accurate ($R^2 = .05$). Florey then asked why we spend money on a forecast. Cross pointed out that the processors and fishermen have come to expect forecasts and that some of the salmon forecasts also have poor accuracy.

2. b) Rowell also distributed an ice edge map (ATTACHMENTS 3A-3C). Warm water temperatures make this year similar to 1985. Although warm water temperatures should result in an early herring run, this was not the case in 1985. So at this point, it is still too early to predict an arrival date. Fritz Funk asked if we should try and predict more precisely the herring arrival date. Florey felt that it would not be very precise and that we may not have time to make a prediction. He also questioned whether a timing forecast would be used by the managers. Brookover felt a timing forecast would be useful.

2. c) Funk reviewed the herring age structured assessment model which is a new forecasting method. Two advantages to this model are that it looks at more data (catch in tons, age composition of catch and run, and aerial survey biomass) and that it allows for gaps in the data. The model tends to smooth out all the disagreements in the data. Rowell commended Funk and Linda Brannian for the time they put into developing this model.

3. Management

The most important issue for the 1993 herring season will be the large forecasted run and the possibility of waste by both the gillnet and seine fleet. Brookover hopes to maintain control over the harvest and try to keep it within the three day processing capacity. If the three day processing capacity is

exceeded, there will be no further openings until the processing capacity has dropped below the three day limit.

Florey and Rowell suggested limiting the harvest by limiting the size of the district open to fishing. This would allow for better control over the fishery. It would also reduce the amount of area available for fishing and thus slow down the seiners and prevent waste. Fishing can be restricted in all areas of the district west of Pyrite Point and the area north of a designated line in Togiak Bay. Another method that could be employed for limiting the seine catch would be to reduce the fishing time. The Togiak herring seine fishery could see some very short openings this season. Russell suggested that we warn the fishermen prior to the season that there will be a reduced fishing area. This warning will be included in the 1993 season outlook paper.

Brookover and Skrade also expressed concern over the possibility of excess waste in the gillnet fishery. Some waste may be inevitable, but they were wondering what percentage of waste is too much. This was found to be a difficult question to answer. It was suggested to limit the gillnet fleet in a similar fashion to the seine fleet (i.e. thru area and time restrictions). Florey felt the gillnet fleet should be limited to 50 fathoms of gillnet starting at the beginning of the season.

Brookover was also concerned with seiners holding fish in their nets for days at a time. According to the regulations there is no limit to the number of days herring can be held in a seine. Florey mentioned that according to State Statute section 16.10.173, commercially caught herring cannot be wasted. He suggested using an emergency regulation that would restrict the fishermen's ability to waste herring. This regulation can be used for both the gillnet and seine fleet. If too much waste is occurring, the fleet will not be allowed to fish. This will be mentioned in the outlook paper. Florey suggested keeping track of dead loss on fish tickets in order to determine the amount of waste that is occurring.

Florey will look into the ability of Brookover to regulate the amount of time herring can be held in a seine.

Brookover plans to start surveying in late April once he starts receiving reports of fish being present. Rowell asked how often Brookover intends to survey and he answered once per day, district wide if possible. Rowell also expressed concern over the possibility of obtaining an incomplete survey during the peak of the run. Brookover replied that he expects to obtain good surveys during the peak. He mentioned that Regnart is more experienced this year in surveying herring and that weather permitting they should have no problem surveying the peak.

Brookover was assigned the responsibility of putting together the 1993 season outlook paper.

4. Inseason Reporting

Most of the communication responsibility will be delegated to Brad Palach. Information will be relayed to Dawn Jackson in Dillingham and she will forward to other areas. Russell will cover for Dawn on weekends again this season. A schedule will be set with Dillingham. Russell suggested using a pre-made form (outline) to relay information. Haanpaa had designed a form a couple years ago and this form, or something similar, will be used. Haanpaa stressed the importance of notifying the Anchorage office prior to notifying KDLG when openings occur. He suggested doing this by FAX or through Dawn and Email in Dillingham.

5. Fish Ticket Program

Fish tickets for 1990, 1991, and 1992 are finalized. Rowell mentioned that she is willing to let somebody else accept the responsibility of finalizing fish tickets, but nobody else was available. Rowell and Brookover will get together to discuss processor packets.

6. Fish and Wildlife Protection Plans

No Fish and Wildlife personnel were present at the meeting. Haanpaa will discuss Bristol Bay with them.

7. Biomass Conversion Factor

Brookover was wondering if the biomass conversion factor analysis has taken place yet. His question arose due to the discrepancy in the estimates between the Annual Management Report and the Forecast RIR. Brannian said the biomass conversion factor analysis has not yet been conducted, and that it should occur this spring or summer. Rowell said that the discrepancies between the two reports are not due to the conversion factor and that the Forecast RIR contains the final estimates.

Brookover also requested that a spreadsheet be produced for calculating biomass estimates. The documented methods used for calculating biomass estimates can be interpreted differently by different surveyors, resulting in varied estimates. He would like a spreadsheet to insure consistency between surveyors. Brannian told Brookover that Tim Baker will assist in producing a biomass spreadsheet.

8. Season Summary

Funk requested that the season summary not contain an exploitation rate because this is a preliminary number. If this number is included in the season summary then it should be at least footnoted as a preliminary number. Rowell was once again assigned the responsibility of producing the herring season summary.

9. Limited Entry Permit Cards

Herring - Gillnet -- 2
Seine -- 2

Salmon - Skrade -- 3
- Russell -- 4
- Cross -- 8

B. Salmon - 1993 Season

1. Management

1. a) Togiak

The forecasted sockeye run for 1993 is above average, but lower than the 1992 run. The big issue is the king run. Brookover intends to fish aggressively the first week of July for sockeye to get a jump on fish that in the past have escaped within the first couple of weeks. Enforcement is a concern this year because of the problems encountered during the 1992 season. FWP is aware of the problem and may be present. If no protection is present and the fishery gets out of control, Brookover was wondering if he should consider closing the fishery. Florey said that he should close the fishery and inform the processors that if they buy illegally caught fish they will be cited. Haanpaa added that if the violations continue then the fishery will be closed and that this should be included in the outlook paper. Brookover mentioned that the Togiak coho run looked good in 1992, but that there was no fishing and no market. He does not know if there will be a market this year.

1. b) Nushagak

i) Chinook salmon management plan

A forecasted 138,500 chinook are expected to return to the Nushagak River. Skrade plans to allow for subsistence fishing in early June. If fish begin appearing in subsistence nets upriver and in town, then he

will go with a couple short openings. He will continue with short openings until about 20,000 chinook are caught, then will wait until he is certain the escapement goal is met before he has any further opening.

ii) Coho salmon management - escapement goal.

Without a management plan, there is some question as to what the inriver escapement goal should be. At this point there is not even a way to measure the inriver escapement due to absence of the Nushagak sonar project. According to Cross, the biological escapement goal should be 90,000 coho. If we add to that 2,000 for sport fish and 4,000 for subsistence, then the goal increases to 96,000. Skrade suggested rounding it off to 100,000 to make it a more liberal goal. The 100,000 coho escapement goal was agreed upon. Cross expressed her concern of setting an inriver goal and bypassing the Board of Fisheries, but Florey felt this would not be a problem. Skrade and Cross agreed that with no sonar, coho would have to be managed conservatively. Skrade will state in the outlook paper that there is no funding available for Nushagak sonar coho counting and that fishing may be reduced. He will also state that the escapement goal will be 100,000 coho.

iii) Other species

Skrade mentioned that fishermen did well catching chums during the 1992 season and that there is interest in chums again this season. There was a good parent year escapement for chums returning this season. Skrade believes the sockeye run will be less than forecast. He bases this on the parent year. Cross responded that it will be an average run and that she is comfortable with the West Side forecast. This is an odd year so very few pinks will be returning.

1. c) Naknek/Kvichak

A forecasted harvest of 9.3 million sockeye is expected to be composed of 7.0 million Kvichak and 2.3 million Naknek fish. Regnart plans to begin fishing Naknek early in the season and will have the fleet on short notice around the end of June. He intends to have an extensive district test fish program and will be fishing in the district as well as up into the mouth of Naknek River.

There will be a new Kvichak section setnet allocation plan this season which will allow for Kvichak section only setnet openings. The criteria by which a setnet only opening will occur are:

- 1) if the Kvichak River has reached at least 10% of its escapement goal or 600,000 sockeye, then there will be at least a 10 hr Kvichak section setnet only opening,
- 2) a setnet only opening will occur if there has been 20 hrs of continuous fishing in the Naknek section,
- 3) once 4 million sockeye have escaped into Kvichak River, then must allow Kvichak section setnetters to fish.

If well into the season the Kvichak River run is doing poor and the Naknek River run is booming, Regnart will consider an inriver fishery. An inriver fishery was not conducted in 1992 due to concern for Naknek R. chinook. The big question is what Kvichak R. escapement goal number to use for triggering the Naknek R. inriver fishery. The Kvichak R. point goal is 5 million while the management range is 4 to 8 million. Should Regnart use 4 million or 5 million as his trigger for conducting an inriver fishery? Cross thought that in order to be consistent with the Egegik line movement, the 4 million goal should be used to trigger the inriver fishery. If it appears Kvichak will not reach an escapement of 4 million sockeye, then Regnart will conduct an inriver Naknek fishery.

Regnart would like in the future for the Board to set criteria for using the inriver fishery. He would also like to see more stock I.D. studies to determine what effect a Naknek section line movement would have on the interception of Kvichak bound fish. Regnart informed the West Side staff that the Naknek setnet issue (setnet positioning - 1,000 ft. rule) is no longer an issue.

Regnart plans to fish Naknek kings 4 days per week and track the run. He may implement a mesh size restriction if that becomes necessary. He received only 12 records of homepack last season and plans to talk with processors again this season about homepack recordings. Regnart also intends to fish coho 4 days per week and his only inseason management tool will be monitoring the catch.

At this point in the meeting Paul Larson (Deputy Director) stopped in to give us a Headquarters update. He mentioned that Bob Clasby (Acting Director) wished he could be here, but that he was busy in Juneau. He discussed the budget and said the legislature is still working on the state budget. Larson feels there will be no additional major cuts. He also discussed the Comm Fish/F.R.E.D. merger. The merger committee should be meeting soon. There was a general discussion about the merger that included Florey providing us with his views and opinions concerning the merger. Following this discussion, Larson presented **Dick Russell** with the **DIVISION OF COMMERCIAL FISHERIES MERITORIOUS SERVICE AWARD** and read a memo from Bob Clasby that thanked

Russell and congratulated him on his many years of dedicated service to the State.

1. d) Egegik

Russell will conduct the king fishery similar to last season. The commercial fishery will be closed until the EO period begins on June 16. Around June 20 to June 23 he will have an opening. This worked extremely well last year and if it works well again this year, Russell may go to 4 day per week fishing in 1994. In 1993 he will have special subsistence openings on weekends.

The sockeye forecast is the largest in history and FRI's forecast is even larger than our own. The sockeye harvest forecast for Egegik District is 14.8 million. Russell pointed out that the processors were able to handle last years big harvest and that he anticipates they will have no problem again this season. Processors and fishermen who do not normally fish Egegik are considering moving into the District, so Russell is anticipating many boats and many transfers - especially during the last week of June. He does not, however, foresee a problem in managing the fishery within it's boundaries. Haanpaa asked Russell if he plans to use longer fishing periods in order to reduce escapement into the river. Russell replied that the directive from the Board indicates they like the 10 hr fishing periods and that the processors also prefer the shorter openings. The large escapement last year was due to the worry of intercepting Kvichak and Ugashik R. fish. The 1992 stock I.D. results indicate that interception was not a major problem in the Egegik District, so Russell does not foresee the overescapement problem in 1993. Once the E.O. period ends, he plans to go to a 4 day per week fishing period.

1. e) Ugashik

A large harvest is forecasted for Ugashik District this season. The big issue will be the timing of the run. An early run may result in high interception. Russell wants to allow for fish to get into the river before opening. A district test boat has been moved into the river during the last couple of seasons and has worked well, so Russell will employ this technique again this year. He plans to fish four days per week early in the season for kings and late in the season for coho. The Ugashik River tower will begin counting on July 2.

At this point in the meeting Florey began discussing the General District Opener issue. A lengthy discussion ensued and ended with Florey requesting that Regnart go through old Annual Management Reports and research the issue. Florey would like Regnart to determine why general district openers were used in the past and what the results were. Florey was curious as to what the objectives were in having the general district opener.

1. f) Tower Project Review (ATTACHMENT 4)

During the 1992 annual Bristol Bay staff meeting, Brannian was given the assignment of reviewing tower projects in an attempt to determine ways of saving money through reducing the amount of time spent counting. Linda conducted an analysis on historic data from Naknek tower and a partial analysis on historic data from Egegik tower. She presented her results to the staff using graphics which can be found in ATTACHMENTS 4A - 4M. Her analysis looked at the possibility of not counting for one to four hours in a 24 hour period. She found that when compared with historical methods, there was a lower percent error when the reduction in counting occurred at night as opposed to during the day (basically it was found that the fish tended to move more during the day). The percent error varied between the one, two, three, and four hour suspensions. The number of hours suspended will depend on what percent error is considered acceptable.

In order to save money, the tower projects must be cut by either reducing the length of the project or by reducing the number of hours each day that counting occurs. Skrade expressed his concern over increasing the error of the tower counts by reducing the daily number of counting hours. Cross and Regnart felt it was better to cut hourly counting each day rather than cut the length of the project. The result of a shrinking State budget may be an increase in the daily and cumulative tower count errors. Regnart felt a average 5% error would be acceptable. Haanpaa asked what would be saved by the counting hour suspensions. Brannian requested that Regnart write a memo reviewing the cost analysis and savings for a 2 hr vs 3 hr suspension.

Some concern was expressed about the percent error of the current counting method (10 min/hr - 24 hr/day) and what the total error will be when the current error is added to the suspended hour error. Brookover requested that Brannian and Cross provide an analysis of the accuracy and precision of current counting procedures.

At this point Brannian felt the 2 or 3 hr suspension is workable for the Naknek River if the cost-benefit is worth it. Linda emphasized that the suspensions only work for towers that have been analyzed and that we must determine the best scenario for each tower. Linda will write up what has been presented in the meeting and she will look at Regnart's cost savings analysis before she conducts a full analysis on Egegik River data.

Brookover asked about the possibility of reducing AWL samples on West Side tower projects. He would rather reduce sampling then reduce counting hours. Cross and Brannian will look into the sampling reduction. Cross will put together a sample size stratification memo.

Skrade requested that a standard be set for the expansion of counts past the

ending date of a tower project. Currently some tower counts end on the day the tower is pulled while other tower counts are extrapolated past the last day of counting. Skrade would like it to be standardized throughout the Bay. According to Cross, this will depend on the amount of historical data available. Cross will write a memo to the management staff that will include standards for producing numbers after the towers have been pulled.

2. Research

2. a) Kvichak, Egegik, Ugashik, and Naknek smolt projects

i) Kvichak Smolt

In 1992 79.5 million smolt were counted - the lowest count in the past five years. Seventy-seven percent were age 2. Age 1 smolt were comparable to past years while age 2 were slightly smaller. Operations in 1993 will be similar to those in 1992.

ii) Egegik Smolt

The original count of 18 million smolt was corrected to 27.3 million after it was determined that there were problems with flow measurements. This was the lowest count since 1983. There were 73% age 2 smolt. Age 1 smolt were comparable in size to past years, while age 2 and age 3 were smaller. The small size of the age 3 smolt may have been due to a sampling problem and may not be representative. It was determined that there is a distinct difference between the number of daytime and nighttime counts. Smolt seem to move more at night. So may save money in 1993 by reducing the counting during the day. Crawford will review this possibility with Brannian.

iii) Ugashik Smolt

Ugashik smolt was not funded for 1993, but the village of Pilot Point is trying to fund the project. Operation of this project is dependent upon the ability of Pilot Point to come up with the funding. They have until March 15 to do so. As with Egegik smolt, Ugashik smolt tend to move less during the day. So may be able to reduce counting on this project also.

iv) Naknek Smolt

As discussed earlier, the Park Service is providing money for this project. Naknek appeared similar to Kvichak in that smolt move during

the day. There is not enough money to count 24 hours a day, so will only be counting partial days.

2. b) Kvichak, Egegik, and Ugashik river test fish

The 1992 test fish report is in draft and has been sent to Juneau. Start-up dates for 1993 will be: Kvichak - June 18, Egegik - June 12, and Ugashik - June 21. One drift per bank per tide (2 drifts per bank per day) will be conducted throughout the season on Kvichak R. On the Egegik and Ugashik Rivers, two drifts per bank per tide (4 drifts per bank per day) will be conducted early in the season before the first big push of fish. Once a large number of fish arrive, only 1 drift per bank per tide will be conducted.

2. c) East Side Catch Sampling

Two scale agers again this season. Will have to fill one of those positions. There will be three catch samplers and will depend on help from the management test fish personnel. There will not be as much setnet sampling this year. Stratton emphasized that there will be one new scale ager and two or three new catch samplers, so he will be busy and may not be able to assist with scale ageing like he did last season. Therefore he will be prioritizing scale ageing and the managers should inform him of their scale ageing priorities. Russell informed Cross that she needs to contact DOT about leasing vehicles for the catch samplers.

2. d) Naknek/Kvichak Stock I.D.

Due to Miller's Nushagak River sonar responsibilities and the lack of funding to hire a new digitizer, the 1992 Naknek/Kvichak stock i.d. samples have not been digitized. The 1993 stock i.d. study was allocated enough money to once again charter 3 boats and employ three technicians. Cross is open to suggestions for the design of the 1993 stock i.d. project. Cross and Regnart will decide on the design for 1993. A question was asked as to what the projected earnings of the test fish projects were: stock i.d. t.f. - \$81,000, East Side t.f. - \$24,000, and herring t.f. - \$30,000.

2. e) East Side Stock I.D.

The 1992 analysis is complete and Stratton has already distributed memos summarizing the results. The Egegik District results were similar to the in-house inseason cut-point analysis conducted by Stratton. There is still no money available for inseason stock i.d. analysis. At this point it is almost too late to hire a new digitizer even if money became available.

2. f) Nushagak River Sonar

The sonar crew starts work June 6 and the equipment should be in the river and counting by June 10. Due to a lack of funding the project will end around July 25 (unless additional funding becomes available). Test fishing will be conducted similar to last season with three different mesh sizes: 5.125", 6.0", and 8.125". Two temporary technicians will assist with test fish operations between June 18 and July 15. Species apportionment will be calculated in the field camp and will be relayed to Dillingham daily. The apportionment methods have not changed since last season. Miller mentioned that the old wooden test fish drift boat is in bad shape and needs to be replaced. No funding is currently available for purchasing a new boat. However, Florey suggested borrowing one of the Sport Fish drift boats that was used on the Naknek River last season. Florey will talk to Paul Krasnowski about borrowing one of the drift boats for Nushagak sonar.

2. g) West Side Catch Sampling

Two catch samplers will be working out of Dillingham and one out of Togiak. Last season there was a problem with catch samplers not being available to sample because they were assisting management staff with district test fishing. In 1993 we will either need to test fish less or catch sample less. The decision was made to drop the chum catch sampling and to also reduce the amount of Igushik beach catch sampling if necessary.

2. h) Igushik River Test Fish

This project did well in 1992. Skrade is learning how to use the test fish information. He really appreciated the observations relayed to him by the crew last season. Project operations in 1993 will be similar to last year.

3. Escapement Goal Review For Headquarters

The Bristol Bay escapement review is completed and will be written as an RIR authored by Doug Eggers.

3. a) Escapement Goal Ranges

i) Kvichak River Sockeye

There were inseason changes in the point escapement goal in 1990 and 1992. Regnart would like to have a point escapement goal with a management range set around it. He does not see 4 to 8 million as a practical inseason management range. Regnart has a problem with

changing the point goal inseason and would like to have a range to work with. There are three options:

1) Set the point goal and have a management range that extends 1 million sockeye on either side of the point goal. The justification for this would be that we are allowing for a varying run strength.

2) Set the point goal and have a minimum and maximum exploitation rate to be used once the point goal has been determined to be either unattainable or surpassed.

3) Set the point goal and continue to adjust that point goal inseason based on run strength. Florey suggested using this option and inform the fishermen via the outlook paper that the Kvichak sockeye point escapement goal may change inseason dependent upon run strength.

Option three was agreed upon.

ii) Nushagak River Coho

This was discussed earlier and can be found in section III. B. 1. b. ii.

iii) Nushagak River Chinook

Inriver goal of 75,000 with a management range of 40,000 to 90,000.

iv) Wood River Sockeye Escapement Range

Brookover wanted to verify that the Wood River sockeye escapement goal and range is based on age composition. When the age composition is greater than 60% 3 ocean, the escapement goal is 800,000. When the age composition is greater than 60% 2 ocean, the escapement goal is 1.2 million. When the age composition is 50% 3 ocean and 50% 2 ocean, the escapement goal is 1 million.

4. Fish and Wildlife Protection Plans

Not discussed. No FWP personnel present at staff meeting.

C. Reports (status)

1. Herring Reports (ATTACHMENT 5)

ATTACHMENT 5 lists the status of all herring reports. Herring reports have been backlogged, but Kathy hopes to get all reports completed by this summer.

2. Salmon Reports

2. a) Management

Tables are completed for the 1993 Annual Management Report. The text still needs to be combined and edited. The 1993 AMR will also include an escapement goal table. It will be completed before the herring season. Brookover believes the AMR could be trimmed down some and asked for any suggestions. Russell suggested having separate salmon and herring reports, but most of the staff like having just the single report. Skrade was assigned as the editor for the 1994 AMR.

Russell has completed a draft of the 1992 spawning ground report and it is currently being reviewed. Regnart is currently trying to clean up the historical Kvichak spawning ground report that he recently inherited from Don Bill. He plans to complete this report by this spring.

2. b) Research

1992 Test Fish	- Sent to Wilbur	(Stratton/Crawford)
1992 Catch Stock I.D.	- 1st draft in-house review	(Stratton/Miller)
1992 Catch & Escapement	- Complete by end of March	(Crawford/Stratton)
1992 Smolt Report	- Almost complete	(Crawford)

Cross will write two escapement goal reports. She will produce a combined chinook and coho report and a sockeye report. The sockeye report will be completed first. She hopes to have both reports complete before the beginning of the field season. Cross asked if another escapement goal workshop was necessary to set the Kvichak escapement goals or if the decision could be made within region. No escapement goal workshop will be necessary.

1992 Nushagak Sonar	- 1st draft complete	(Miller/Cross/Brannian)
1991 Species Apport. Eval.	- almost ready for Wilbur	(Brannian et al.)
1991 Nushagak Sonar	- Complete	(Woolington/Miller)
1990 Nushagak Sonar	- Almost complete	(Woolington/?)

Skrade requested that final Nushagak River sonar escapement numbers be made available earlier in the winter before the AMR tables are completed. Miller said that in the future the numbers should be available sooner. Project evaluation analyses have resulted in Nush. sonar numbers coming out rather late the last couple of years. Brannian pointed out that some post season

analysis may be necessary every year and that if the numbers come out late, then it would just have to be footnoted in the corresponding AMR tables.

Skrade also asked if the research staff had looked into the possibility of chum salmon moving more at night when test fishing is not taking place. Cross and Miller responded that they had looked at changes in chum proportions between morning, mid-day, and evening, and found no significant differences. Another way to test Skrade's theory would be to test fish in the middle of the night, but this is not always practical.

D. Maintenance Needs

1. Outboard Motors, status

There will be extra motors on the West Side due to the reduction in herring operations. No new motors have been purchased in recent years. There are many motors available but they continually break down and Mark spends much time and money repairing them. Florey said that we really need to start thinking about replacing old outboards. Skrade inquired about oil spill outboards, but they are in bad shape and would not be worth acquiring.

2. Dillingham Complex

The bunkhouse is in bad shape. The office could be converted to a bunkhouse once the office is moved out of the current building. A general discussion took place concerning the future of the bunkhouse. Although it is in bad shape, at this point it is still better than nothing.

3. King Salmon Complex

The King Salmon complex will be hooked up to the city sewer system this summer. The rate has not yet been determined. The current lift station will have to be replaced in order to hook up to city sewer.

Florey inquired about the land situation (land across from airport). Florey would like to swap the land for something useful for the King Salmon office. It is possible to swap the land.

Warm storage will get a new roof. May get new fuel tanks. New furnace in warm storage building. Russell may hire a local person as a seasonal employee to conduct building maintenance work for a couple months each year.

Equipment - need to start replacing boats. Also could use a couple boat

trailers. Florey said these need to be turned in as budget requests.

4. Field Camps

Egegik Tower/Smolt - Two weatherports will be used. Haanpaa mentioned that vandalism could be a problem if weatherport platforms were built. Russell suggested building portable platforms. One drawback is that the platforms would be bulky and difficult to move. There is money available to buy new weatherports, but if we can obtain oil spill weatherports, then that money could be used to purchase new boats.

Igushik Test Fish - Some cabin damage. Needs to be repaired.

Wood River Tower - There is a land status problem with one of the tower sights. If the problem is not resolved, the tower could be placed in the water, but it would be nice to have a tent located on land next to the tower. The bunkhouse is located on saturated, swampy land. Mark Reynolds is working on that problem.

IV. Miscellaneous

A. District Registration Cards

There are approximately 1,000 agent authorization forms left. Usually about 7,000 are needed, so will order an additional 6,000 forms.

A lengthy discussion took place concerning blue and green cards. This sounded like the same discussion that we have heard during past meetings. It's becoming an annual event!! It was suggested to not mail the cards out to individual fishermen, but rather to make them available at several distribution points around the Bay. Skrade pointed out that people in outlying villages may not have access to the cards. It was also suggested to just make the cards available at the area offices. Skrade did not like this option because it would result in an increased work load for the office staff. Skrade volunteered to have Dawn Jackson mail all the blue and green cards. Skrade will have Dawn obtain mailing labels from CFEC and Haanpaa will get the cards printed and sent to Dillingham. A total of 2,500 blue and 1,500 green cards need to be ordered.

There are 1,800 transfer receipt forms left. Need to order an additional 2,000.

B. Fish Ticket Program

To date, 300 of 387 batches have been entered. This worked out to be about

9 batches per day. They should all be entered by mid-March and editing should be complete by April.

1. Key punch status

Regnart thinks that in the future it would be better to have more than one person key punching. Having two key punchers worked well this year. Russell suggested having Nancy assist with key punching next season. The possibility of having an additional key puncher will depend on the budget. Once the 1992 key punching is complete, Regnart will get together with the key punchers to clear up any problems.

2. Editing

Russell recommends that tickets be edited more thoroughly than in the past. In the future the editor will do a more complete job of editing. This may result in more time required for editing. The editors will insure that each ticket has a stat area recorded on it.

3. Juneau Deadline

There is no deadline.

4. Virginia Shook needed for inseason training?

Virginia will not be needed in King Salmon this season.

C. Phone Mileage Plan

Skrade asked Haanpaa if there would be a problem if the Dillingham office signed up for the Alascom/Alaska Airlines miles per minute plan. Haanpaa thought there would be no problem and told Skrade to go ahead with it.

D. Seasonal References

Haanpaa answered a question asked earlier in the meeting by Skrade about seasonal employee references. If an employer calls to obtain a reference for one of your employees, the only information you can give them is the employees name and whether or not the employee is eligible for rehire - also the dates they worked. Permission from the employee must be obtained in order to give out any other information.

E. Message from Paul Larson.

Paul Larson said that the current regulation booklet does not contain the strand size restrictions. But according to the main supplier of nets in Bristol Bay, the fishermen in the Bay are in compliance with the regulation. Larson said the regs will contain the strand size restrictions in next year's booklet.

F. Board Meeting Issues

Russell asked if there were any Board issues that will be coming up before spring. Nushagak River coho management plan and the Egegik District line may come up at one of the board meetings. There may be other issues as well.

G. Salmon outlook paper deadline

The salmon outlook deadline is April 1. Management staff should Email their individual portions of the outlook paper in Word Perfect to Haanpaa prior to April 1 so Haanpaa can complete the outlook by that date.

BRISTOL BAY STAFF MEETING AGENDA

February 23-24-25, 1993
Anchorage ADF&G Office Annex
Anchorage, AK

I. ADMINISTRATION

- A. Appointment of Chairman
- B. Assignment of Recorder(s)
- C. Agenda Review/Additions/Deletions

II. REGIONAL ISSUES

- A. Administrative Issues
 - 1. Reorganization of Commercial Fisheries/F.R.E.D.
- B. Budget
 - 1. FY '93 pre-audit
 - 2. Equipment needs (Radios, communication, etc.) (Skrade)
 - 3. Update on funding for Ugashik and Naknek Smolt Projects (Crawford)
 - 4. CIP Update - FY '94, Impact on Dillingham office complex consolidation
 - 5. Lease fees for Igushik test and other field camps (Skrade)
 - 6. Phone bill tracking system, how did it work?
- C. Personnel
 - 1. PDQ update
 - 2. PCN's for overlapping positions (Skrade)
 - 3. Seasonal hiring (changes)?
 - 4. Seasonal employees soliciting employment during work time, use of phones, etc. (Skrade)
 - 5. Seasonal evaluation due dates
 - 6. Retirement outlook - who will manage Nushagak salmon during 1993 season (Skrade)
 - 7. CFEC role and the 48hr transfer program (Kelly)
 - 8. Future of King Salmon's management trainee position (Regnart)
 - 9. **New** test fish/catch sampling position (Regnart)
- D. Meeting Schedule and Attendance
 - 1. BB Fishery Conference - Dillingham
 - 2. Others ?

III. PROGRAM REVIEW

A. Herring - 1993 season

1. New Program - (Brookover/Rowell)
 - a. Operation headquarters
 - b. Housing and eating facilities (contract)
 - c. Aerial Surveys (charters, fuel, etc.)
 - d. Sampling program
 - e. Work force (how many and additional needs)
2. Forecast, outlook, markets, harvest?
3. In-season reporting (communications)
4. Fish Ticket program
5. Fish and Wildlife Protection plans
6. Other

B. Salmon - 1993 season

1. Management
 - a. Togiak (Brookover)
 - b. Nushagak (Skrade)
 - i. Chinook Salmon management plan
 - ii. Coho salmon management, escapement goal?
 - c. Naknek/Kvichak (Regnart)
 - i. Kvichak allocation management plan?
 - ii. Naknek set net issue (board action)
 - d. Egegik (Russell)
 - e. Ugashik (Russell)
 - f. Tower project review (Brannian)
 - i. Standards for how we end counting? (Skrade)
2. Research
 - a. Kvichak, Egegik, and Ugashik smolt (Crawford)
 - b. Kvichak, Egegik, Ugashik river test fish (Stratton)
 - c. Eastside Catch sampling (Cross)
 - d. Naknek/Kvichak stock ID studies (Cross)
 - e. East side stock ID summary report (Stratton)
 - f. Nushagak sonar (Miller)
 - g. Westside catch sampling (Crawford)
 - h. Igushik river test fish (Crawford)
3. Escapement Goal Review for Headquarters (Fried)
 - a. Ranges of Escapement Goals (Kvichak sockeye, Nushagak coho, Nushagak kings)
4. Fish and Wildlife Protection plans

C. Reports (status)

1. Herring reports
2. Salmon reports
 - a. Management
 - b. Research
3. Other

- D. Maintenance Needs
 - 1. Outboard motors, status
 - 2. Dillingham complex
 - 3. King Salmon complex
 - a. Status on sewer system
 - 4. Field Camps

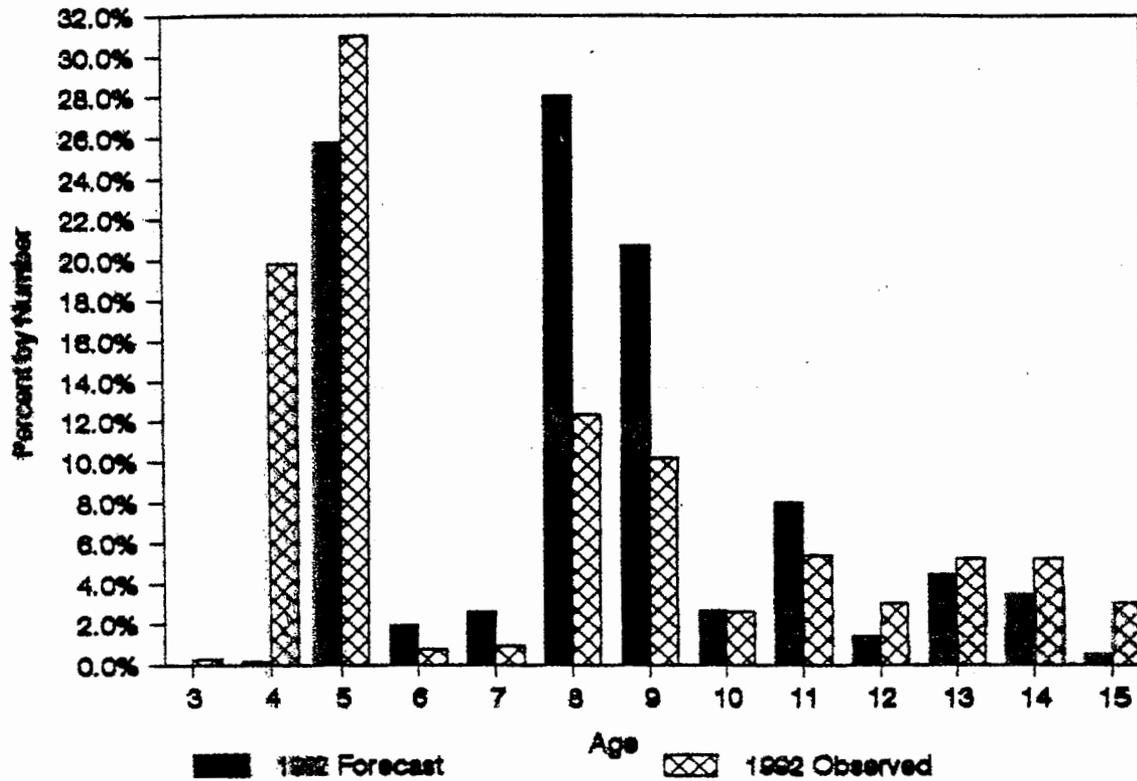
IV. Miscellaneous

- A. District registration cards, ordering. mail out, etc.
- B. Salmon Fish Ticket program needs and revision
 - 1. Editing problems
 - 2. Key punch status
 - 3. Reporting problems
 - 4. Deadline for Juneau??

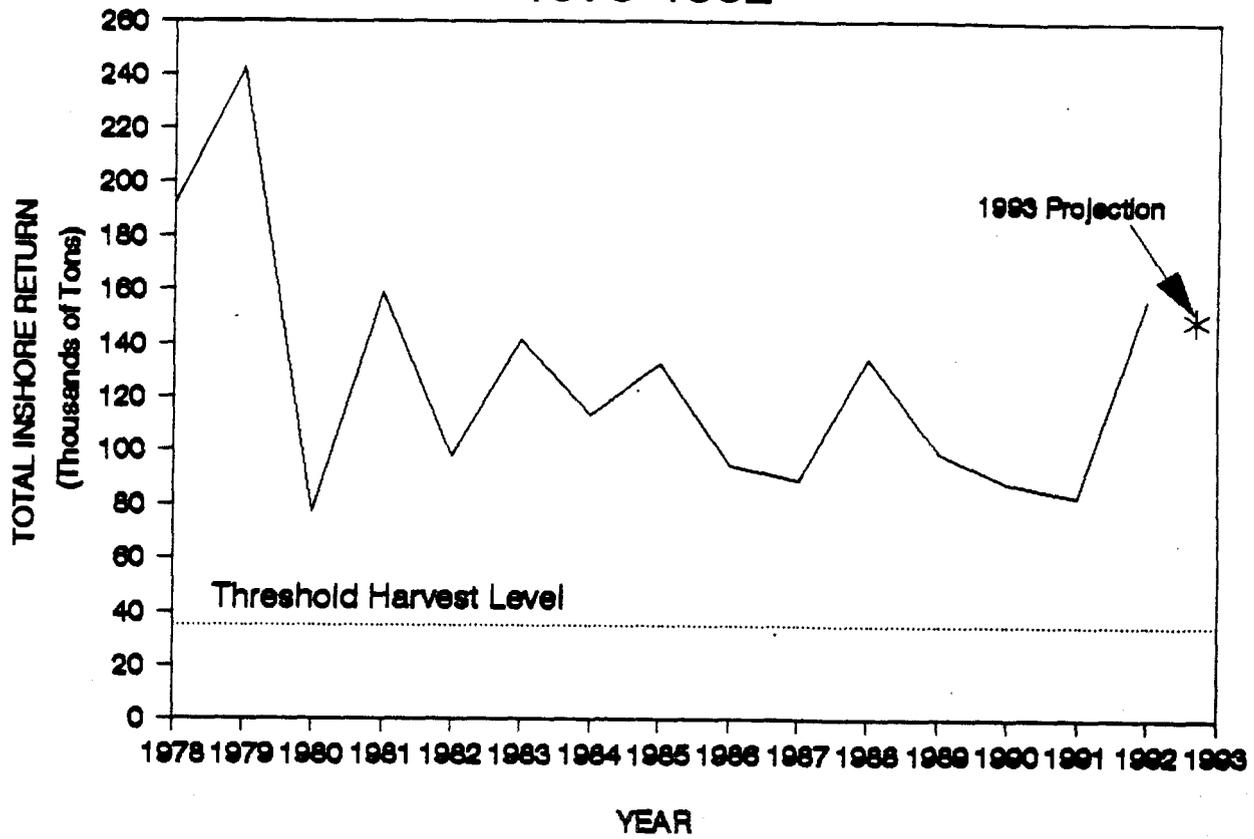
DISTRIBUTION:

Clasby
Larson
Eggers
Florey
Haanpaa
Fried
Brannian
Crawford
Cross
Stratton
Rowell
Regnart
Miller
Shook
Skrade
Brookover
Russell
Prigge
Saunders
Gamble
Kelly, Chris - CFEC
Col. Phil Gilson - FWP

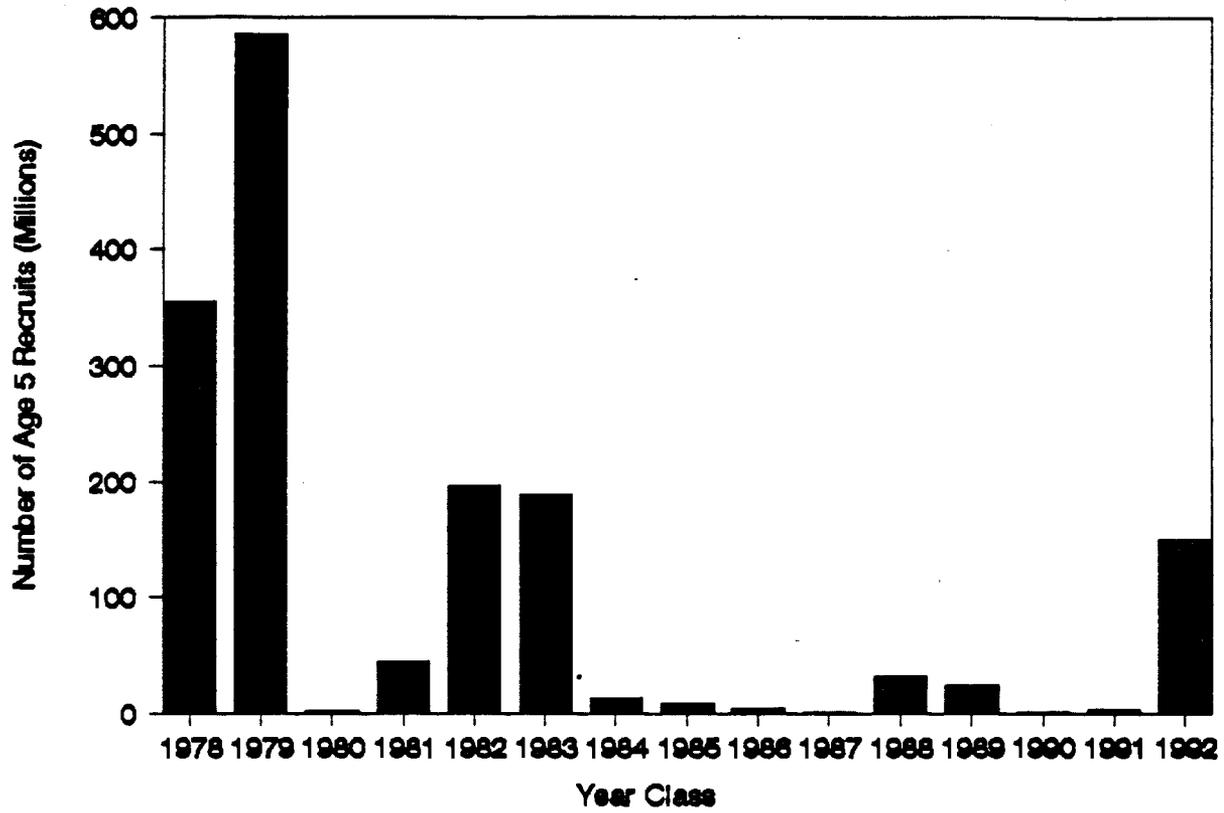
Age Composition - Forecast vs. Observed in Numbers of Fish, Togiak Herring, 1992



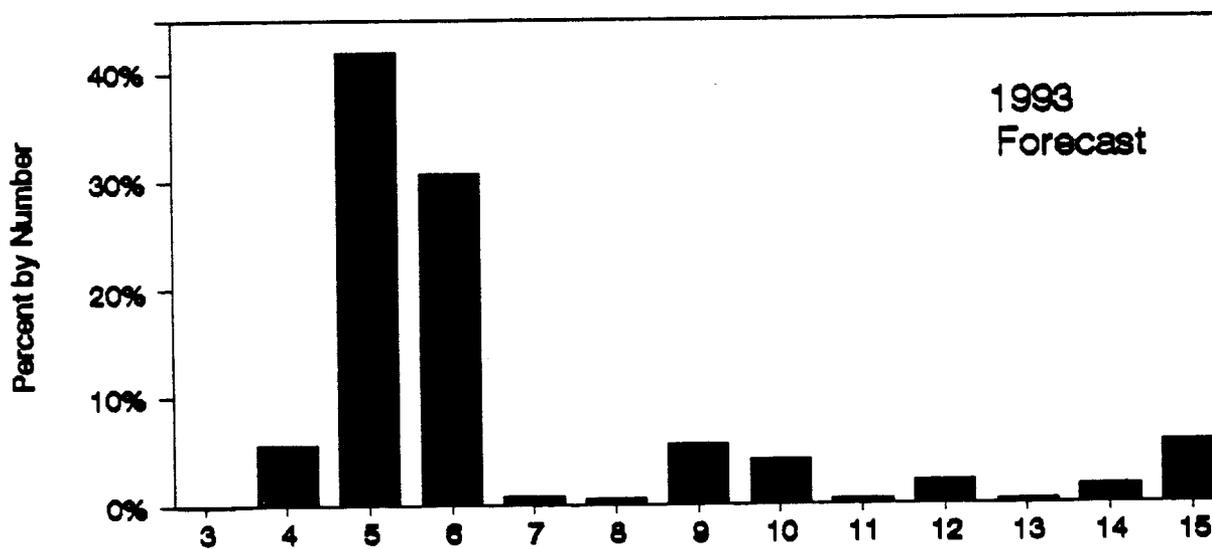
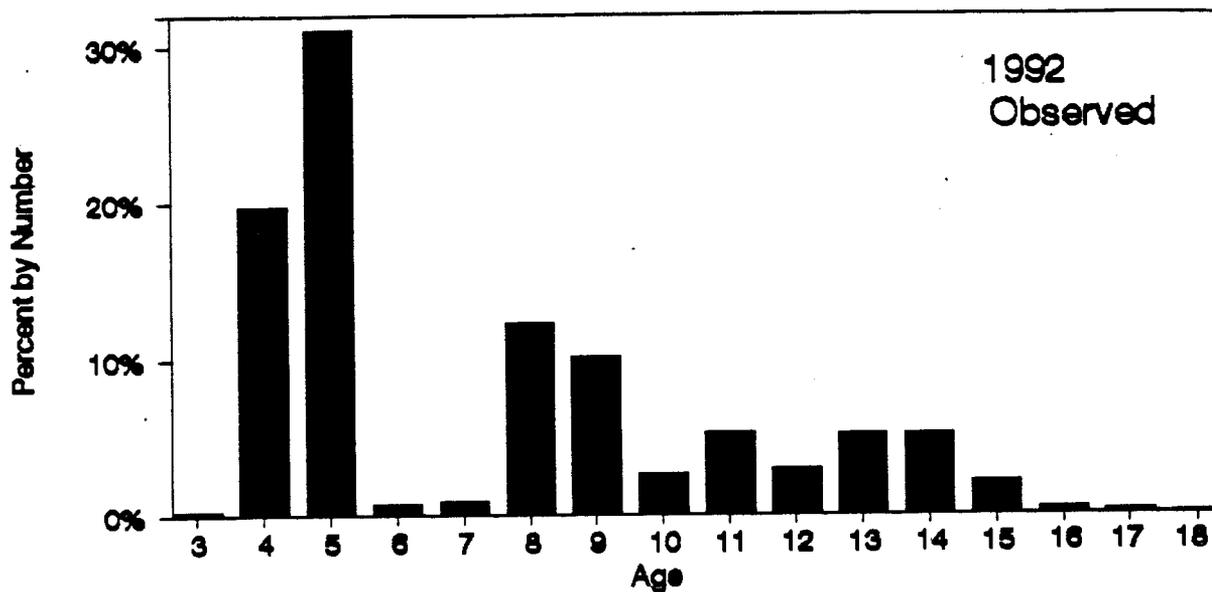
Historical Biomass Trend -Togiak Herring 1978-1992



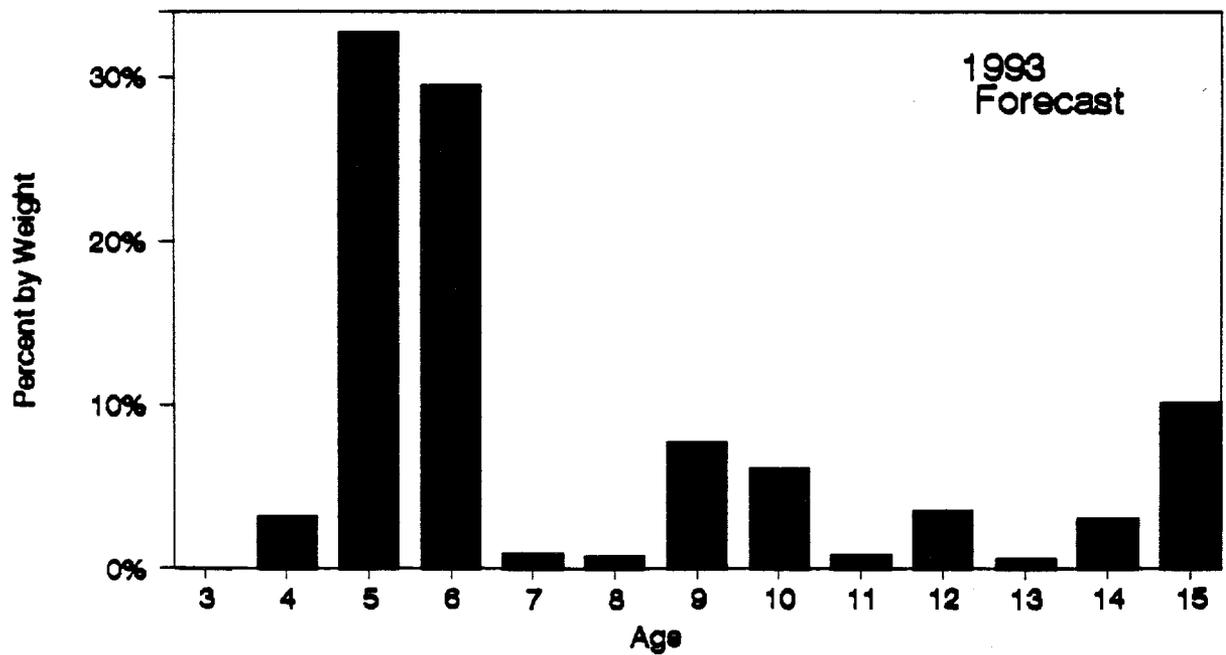
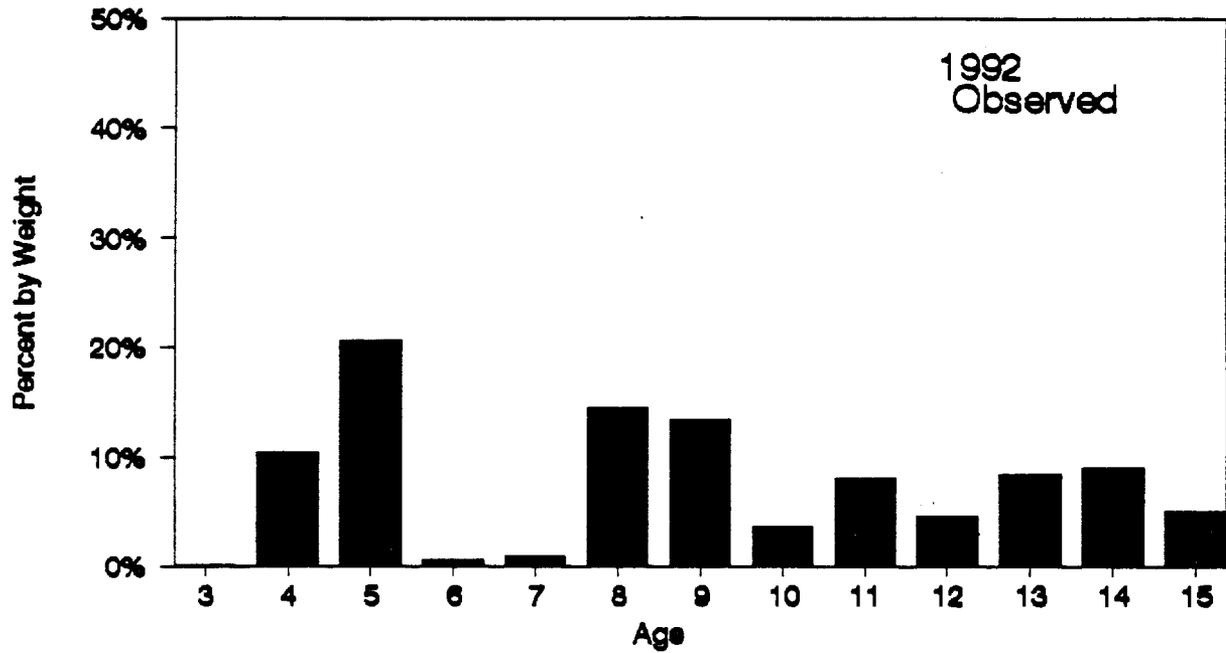
Age 5 Recruit year Class Strength 1978-1992



Age Composition by Number Togiak Herring



Age Composition by Weight Togiak Herring





NWS

SEA SURFACE THERMAL

ANALYSIS... °C

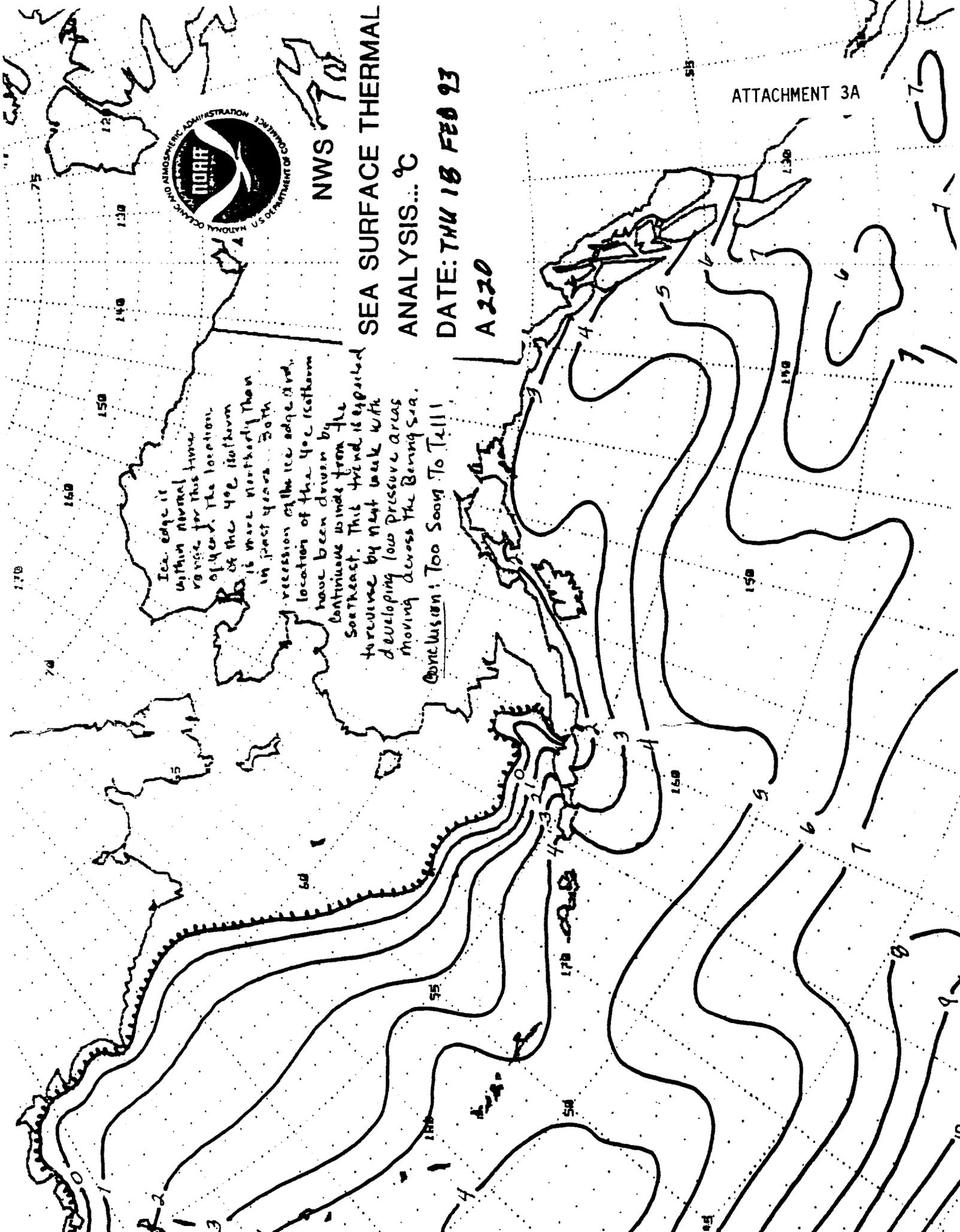
DATE: THU 18 FEB 93

A 230

ATTACHMENT 3A

Ice edge is within normal range for this time of year. The location of the 4°C isotherm is more northerly than in past years. Both recession of the ice edge and location of the 4°C isotherm have been driven by continuous winds from the southeast. This trend is expected to reverse by next week with developing low pressure areas moving across the Bering Sea.

Conclusion: Too Soon To Tell!



2
BERING SEA COMMERCIAL HERRING FISHERY DATES AND HARVESTS, 1980-1991.

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
TOGIAK													
open	Apr 25	May 2	May 14	May 3	May 18	May 23	May 14	Apr 27	May 17	May 9	May 8	May 10	May 20
close	May 16	May 16	May 24	May 11	May 21	May 25	May 15	May 6	May 17	May 14	May 21	May 17	May 27
harvest	19596 st	12542 st	21489 st	26996 st	19300 st	25616 st	16260 st	15204 st	14383 st	12258 st	14832 st	15011 st	25808 st
SECURITY COVE													
open	May 14	May 5	May 25	May 6	May 21	May 26	May 16	May 2	May 19	May 17	May 12	May 13	May 25
close	May 28	May 20	June 7	May 13	June 4	June 1	May 19	May 14	May 20	May 17	May 13	May 16	May 29
harvest	695 st	1170 st	810 st	1070 st	325 st	703 st	752 st	313 st	324 st	554 st	234 st	570 st	824 st
GOODNEWS BAY													
open	May 18	May 5	May 24	May 6	May 21	May 26	May 16	May 3	May 24	May 23	May 18	May 22	May 29
close	May 24	May 27	June 7	May 18	May 27	May 31	May 18	May 7	May 26	May 29	May 23	May 22	June 1
harvest	450 st	655 st	485 st	435 st	665 st	724 st	544 st	321 st	483 st	616 st	455 st	263 st	740 st
CAPE AVINOF													
open									May 29	June 4	May 29	May 26	June 4
close									June 3	June 12	May 29	May 31	June 11
harvest									348 st	129 st	50 st	267 st	452 st
NELSON ISLAND													
open						June 11	May 23	May 23	May 26	May 28	-----	-----	June 10
close						June 16	May 28	May 24	May 26	June 7	-----	-----	June 11
harvest						977 st	886 st	923 st	775 st	232 st	-----	-----	240 st
NUNIVAK ISLAND													
open						June 2	May 23	May 13	-----	May 22	-----	May 20	June 4
close						June 20	May 30	May 26	-----	June 3	-----	May 22	June 8
harvest						358 st	511 st	414 st	-----	116 st	-----	60 st	28 st
CAPE ROMANZOF													
open	May 21	May 14	June 2	May 16	May 31	June 14	May 29	May 23	May 24	May 26	May 23	May 21	June 9
close	June 7	May 26	June 14	May 26	June 5	June 18	May 31	May 27	May 26	May 31	May 24	May 23	June 12
harvest	610 st	720 st	655 st	815 st	1180 st	1299 st	1865 st	1342 st	1119 st	926 st	329 st	526 st	530 st
NORTON SOUND													
open	May 21	May 18	June 3	May 18	June 6	June 13	June 3	June 7	May 27	May 27	May 28	May 23	-----
close	June 5	May 29	June 11	May 24	June 12	June 23	June 10	June 8	May 31	May 30	May 31	May 25	-----
harvest	2448 st	4360 st	3924 st	4422 st	3290 st	3548 st	5194 st	4082 st	4255 st	4741 st	6379 st	5672 st	-----

178 176 174 172 170 168 166 164 162

ATTACHMENT 3C

66



64

NATIONAL WEATHER SERVICE
FIVE DAY SEA ICE FORECAST
DATE ISSUED **MON 22 FEB 93**
VALID DATE **SAT 27 FEB 93**

62

LEGEND

- N = NEW ICE
- NY = FIRST YEAR ICE
- YNS = SECOND YEAR ICE
- FL = FIRST YEAR ICE
- FM = FIRST YEAR ICE
- FL/FL = FIRST YEAR ICE
- FL/YNG = FIRST YEAR ICE
- FL/FL/YNG = FIRST YEAR ICE
- FL/YNG = FIRST YEAR ICE
- FL/YNG = FIRST YEAR ICE

60

58

56

54

178 176 174 172 170 168 166 164 162 160 158

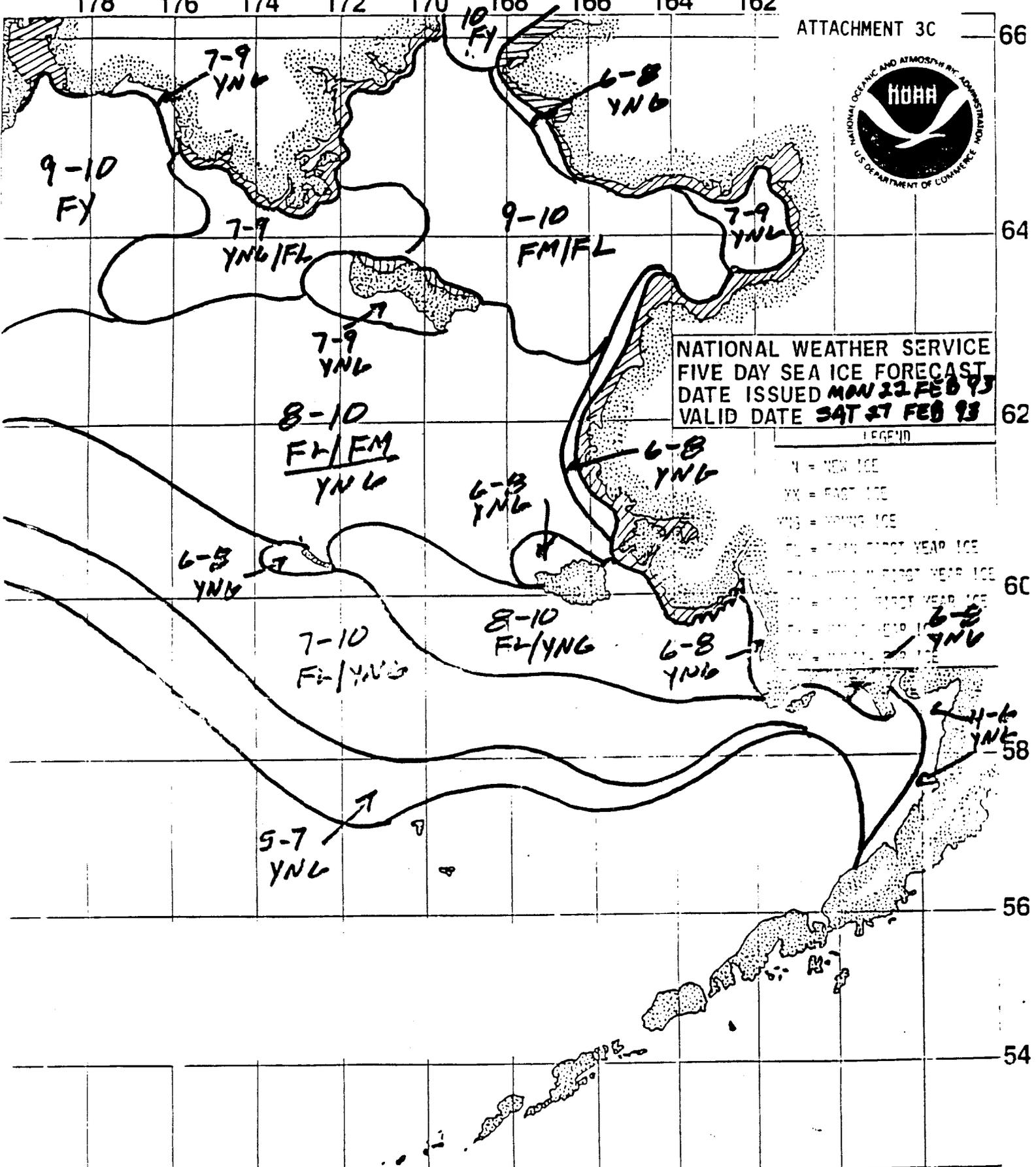
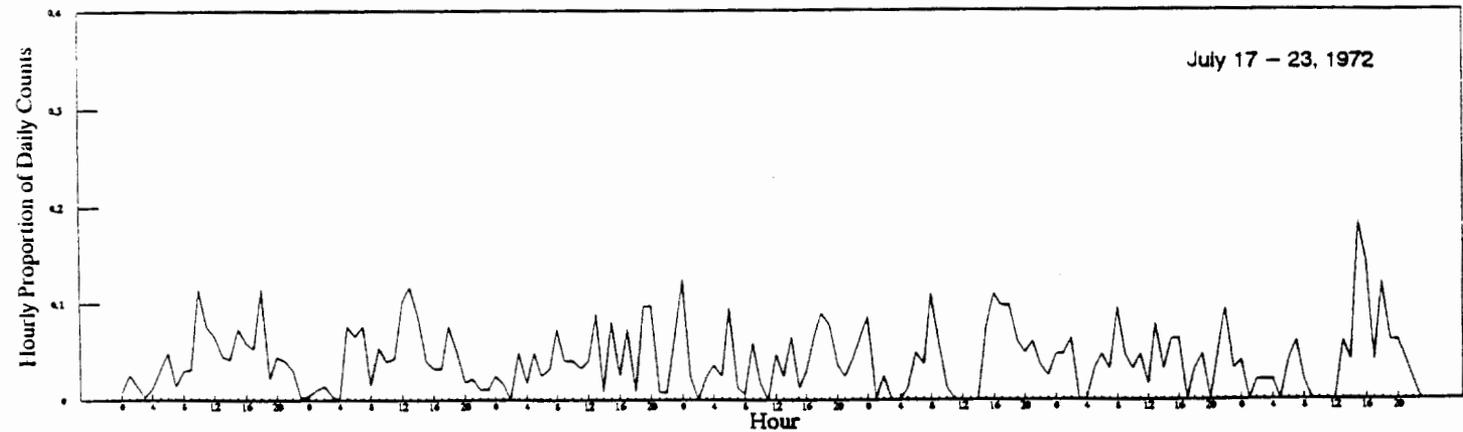
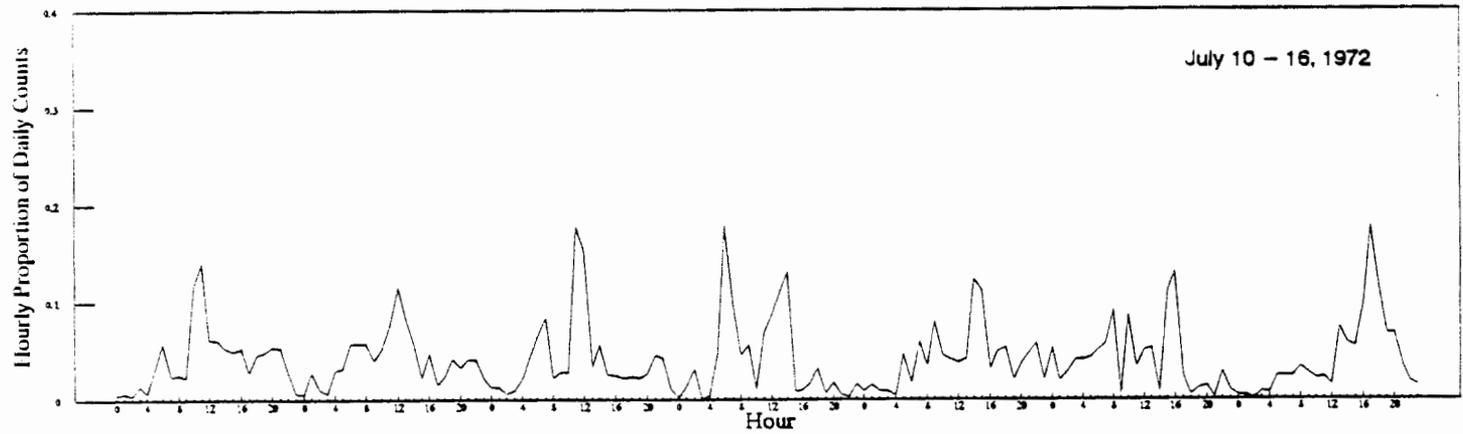
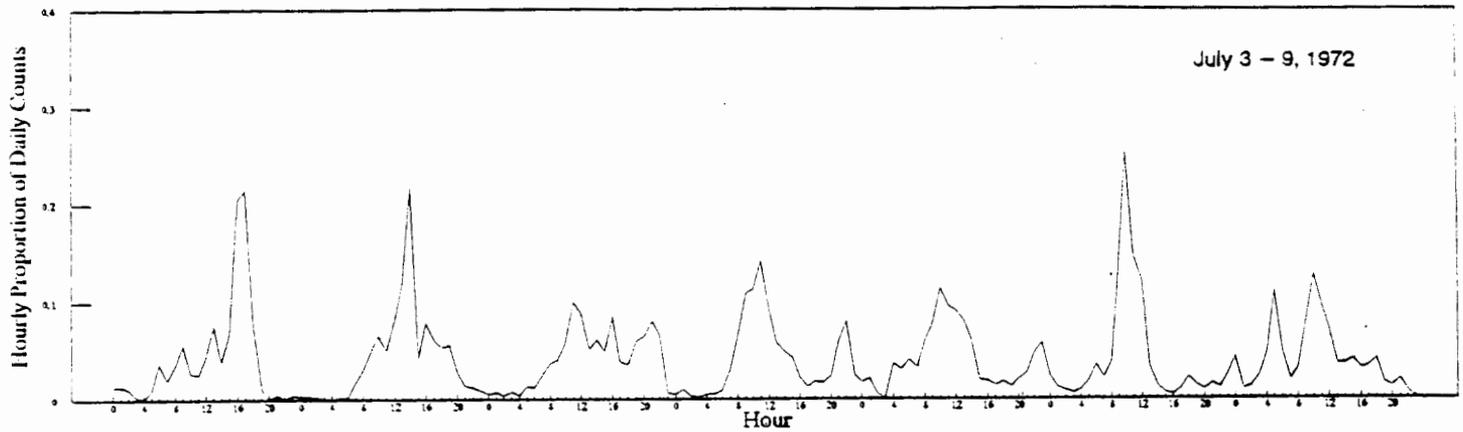
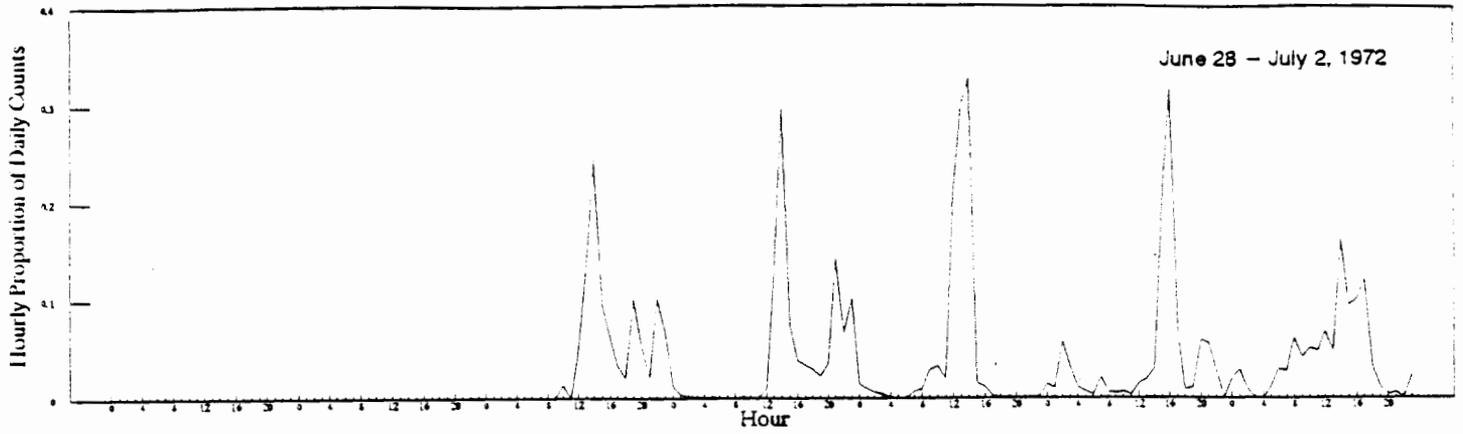
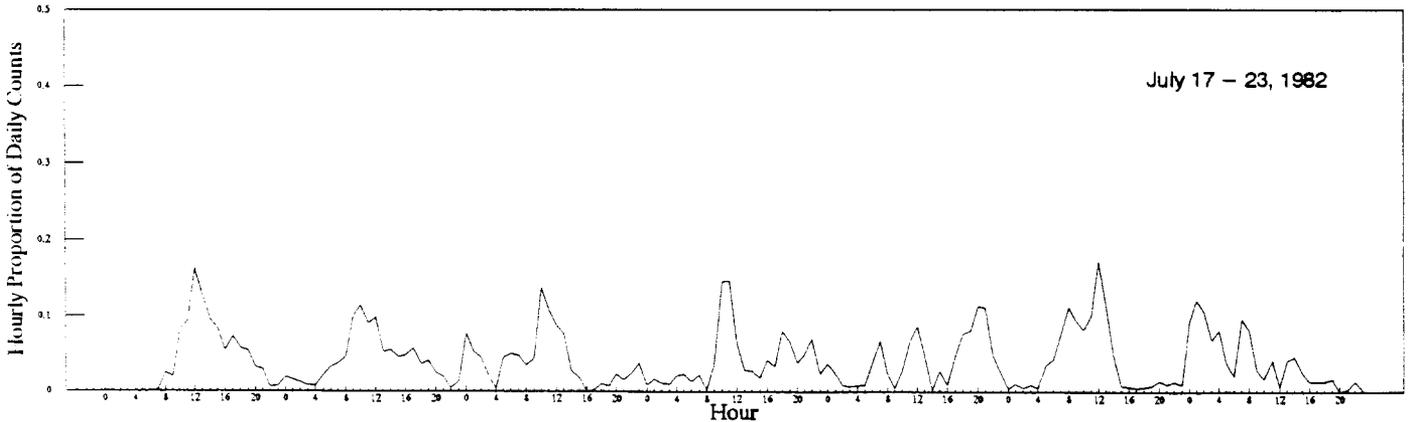
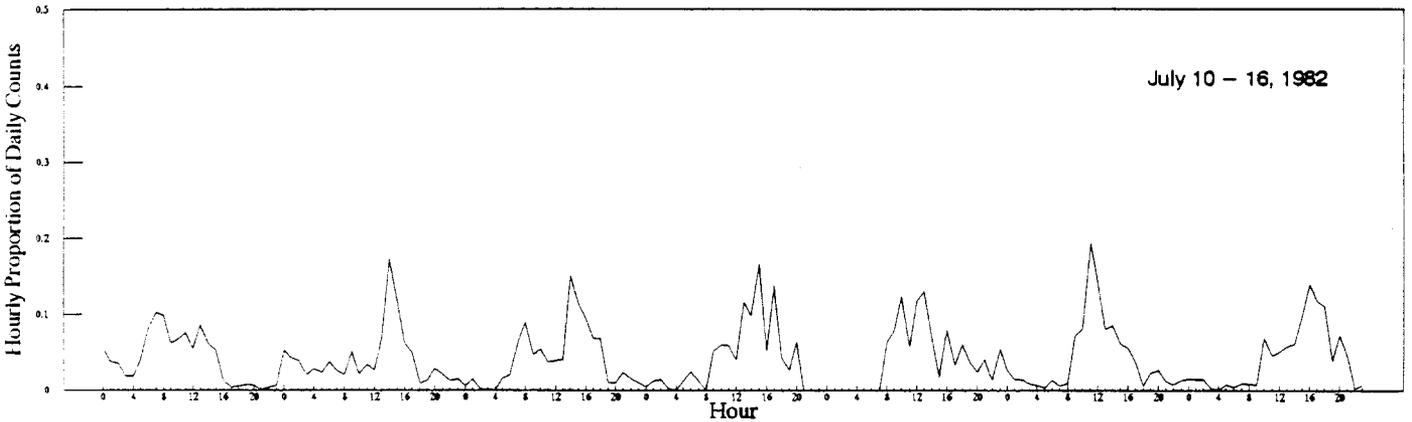
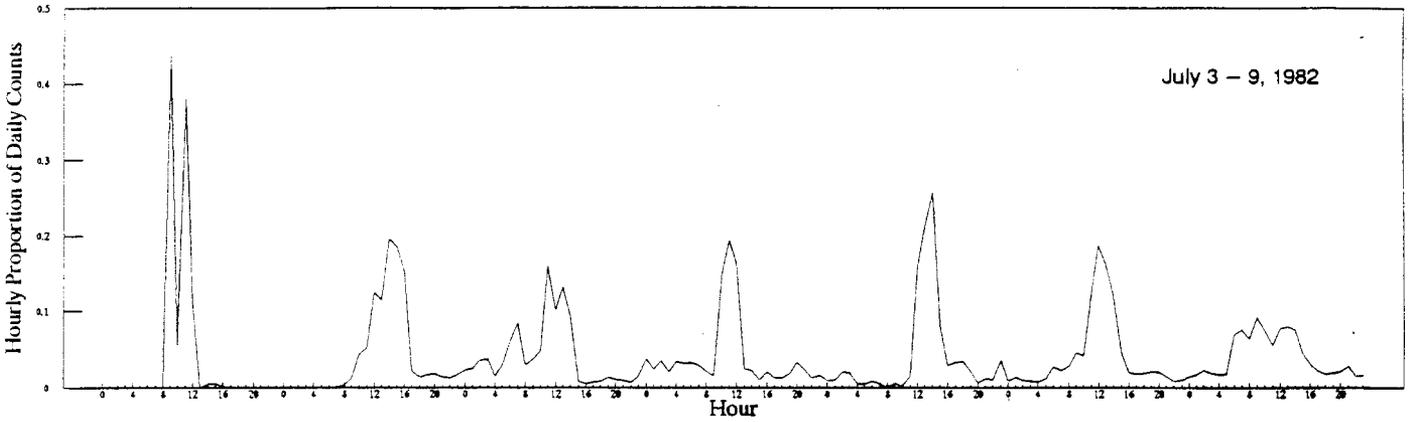
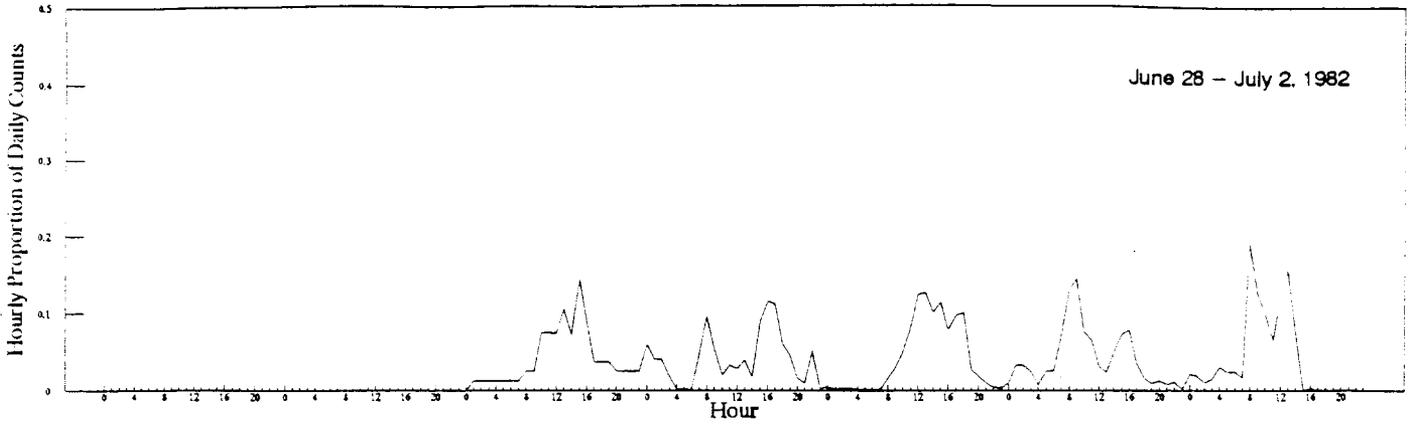
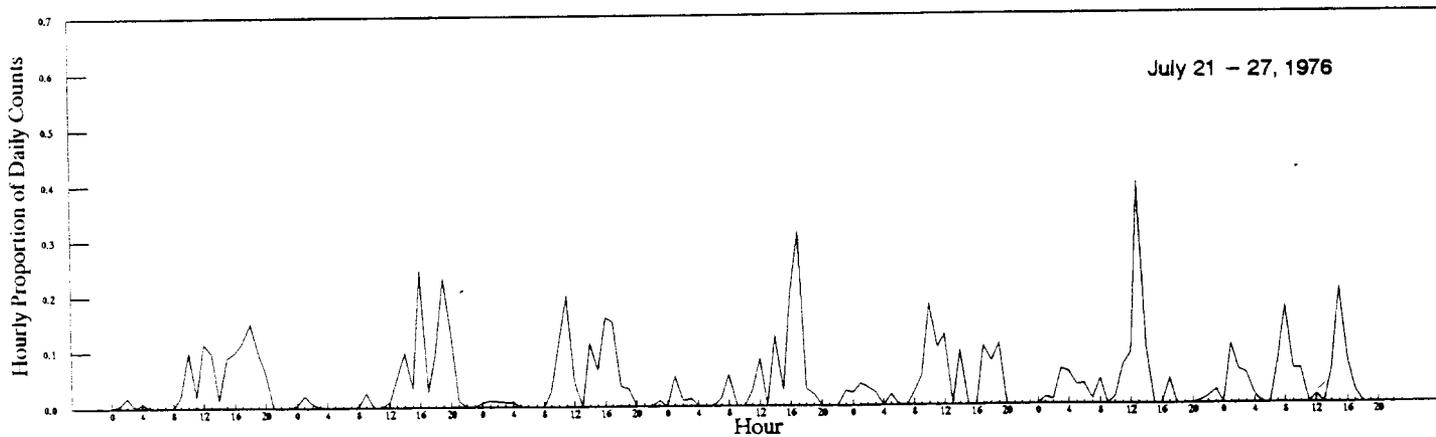
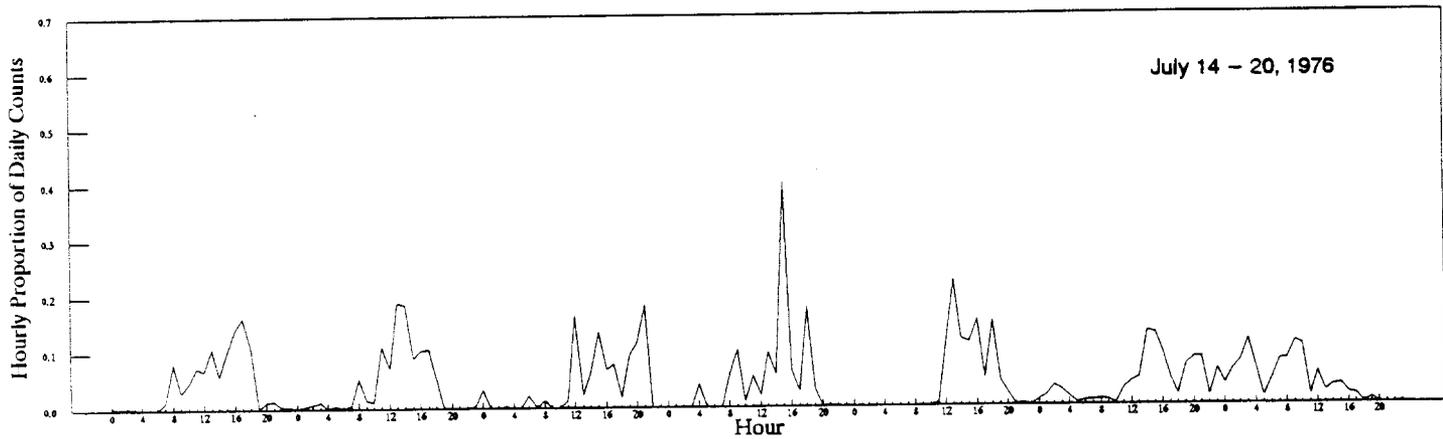
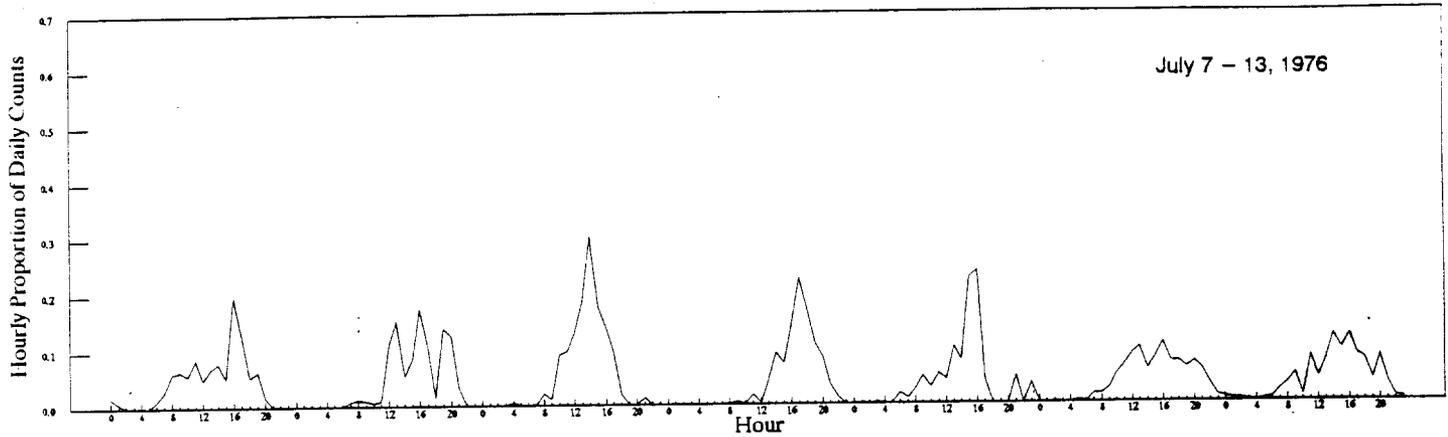
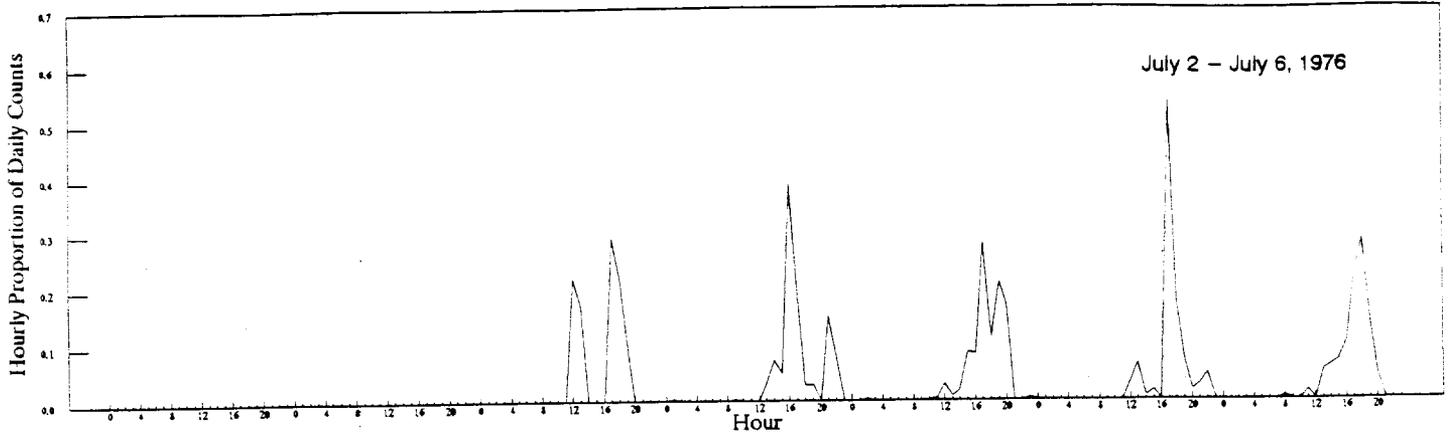


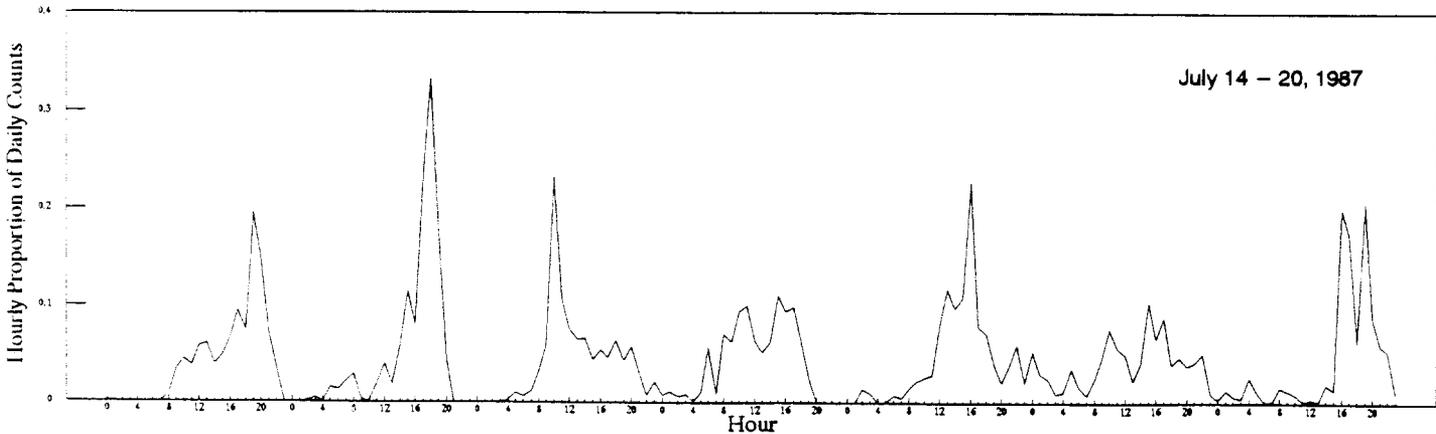
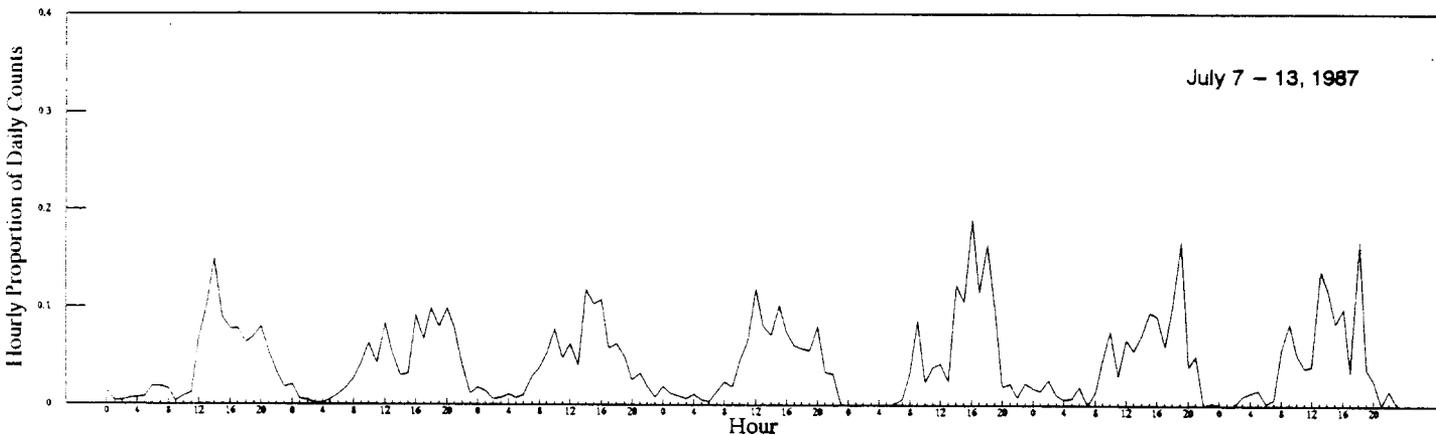
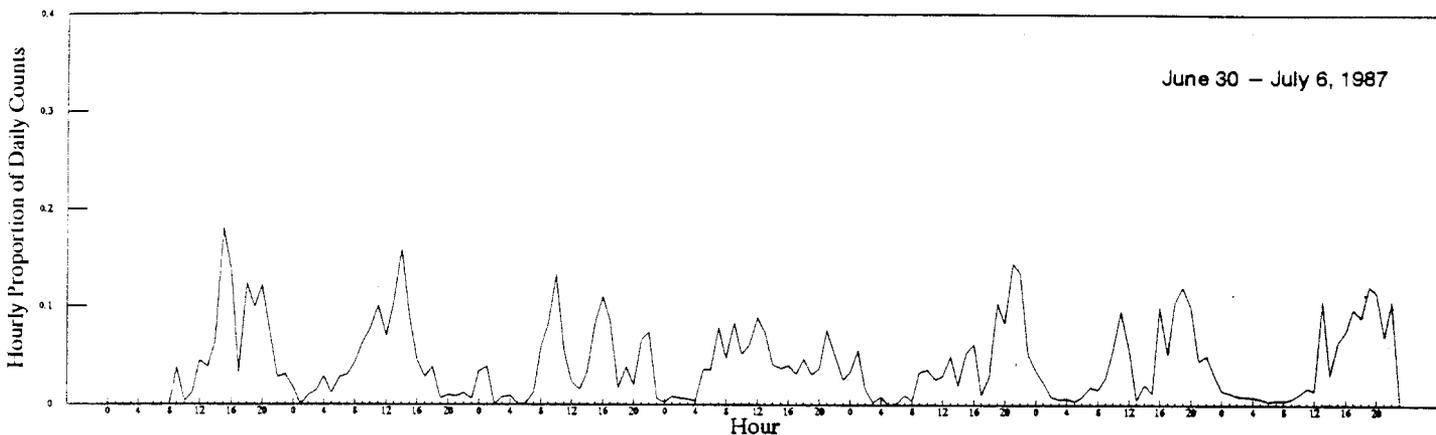
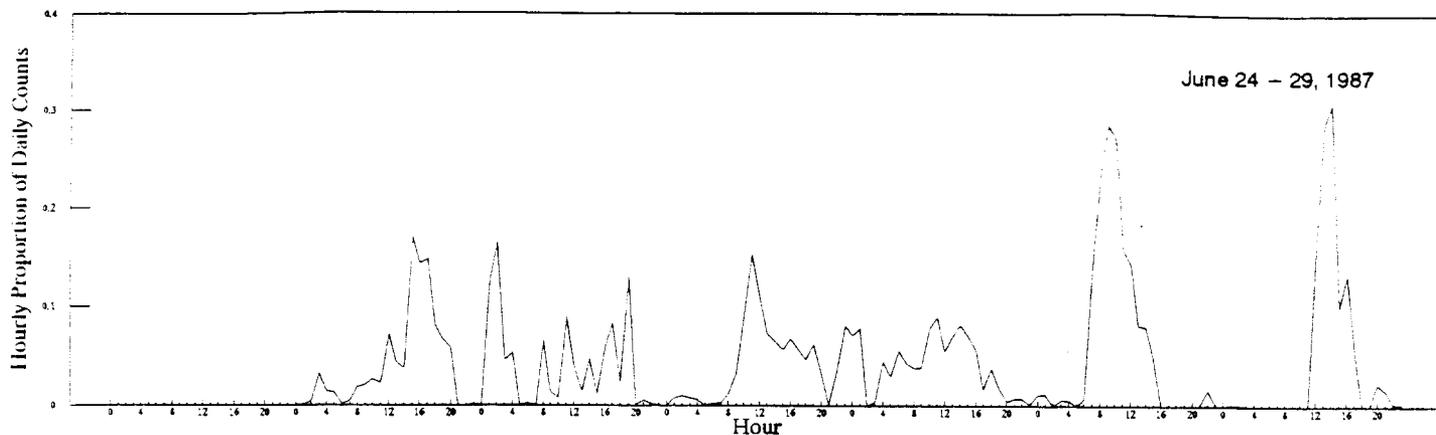
Table . Bristol Bay tower counts used to evaluate reductions in escapement counting. Data prior to 1971 was ignore

Tower Location	Year	Escapement		Run Timing Variance
		(Millions)	Level	
Naknek	72	0.6	Low	Low
	81	1.8	High	Low
	82	1.2	High	High
	83	0.9	Low	High
Egegik	72	0.5	Low	Low
	76	0.5	Low	High
	87	1.3	High	High





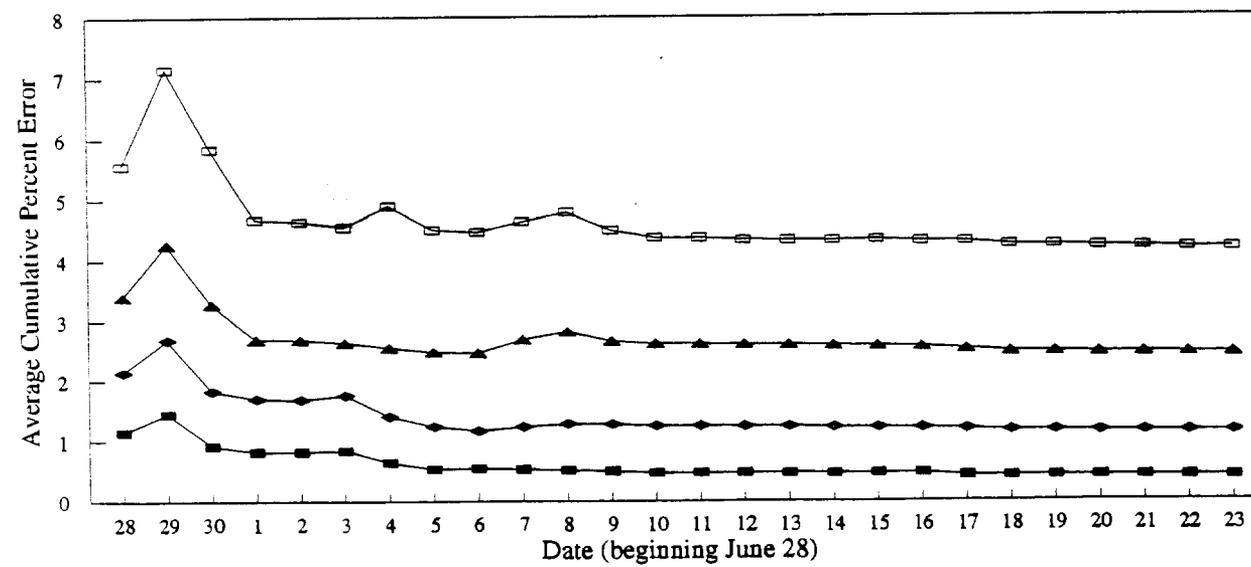
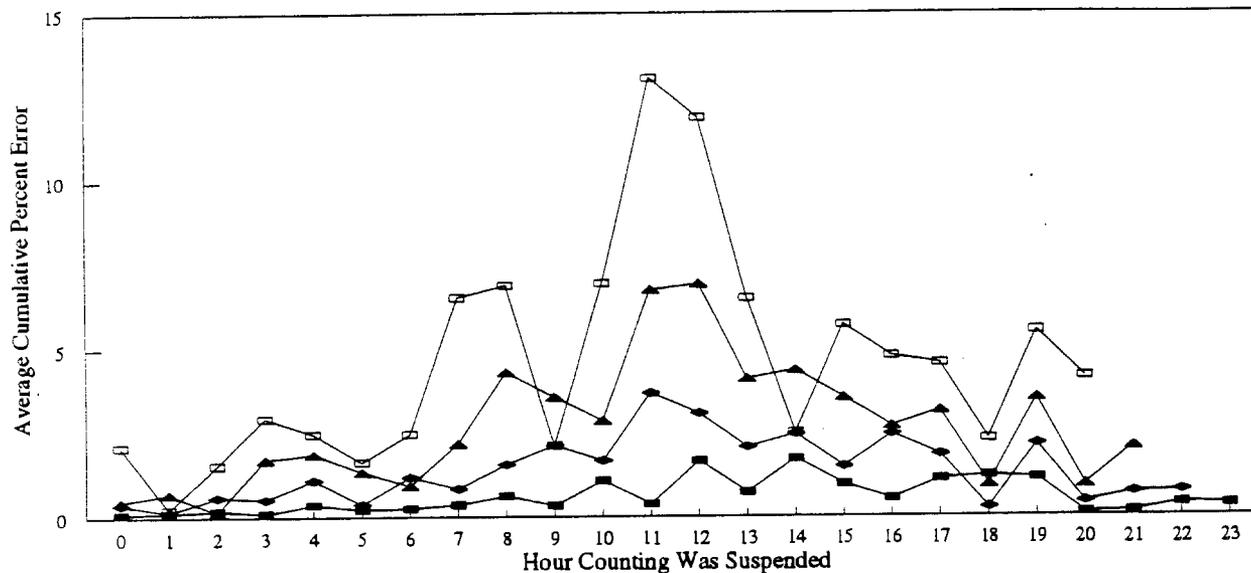
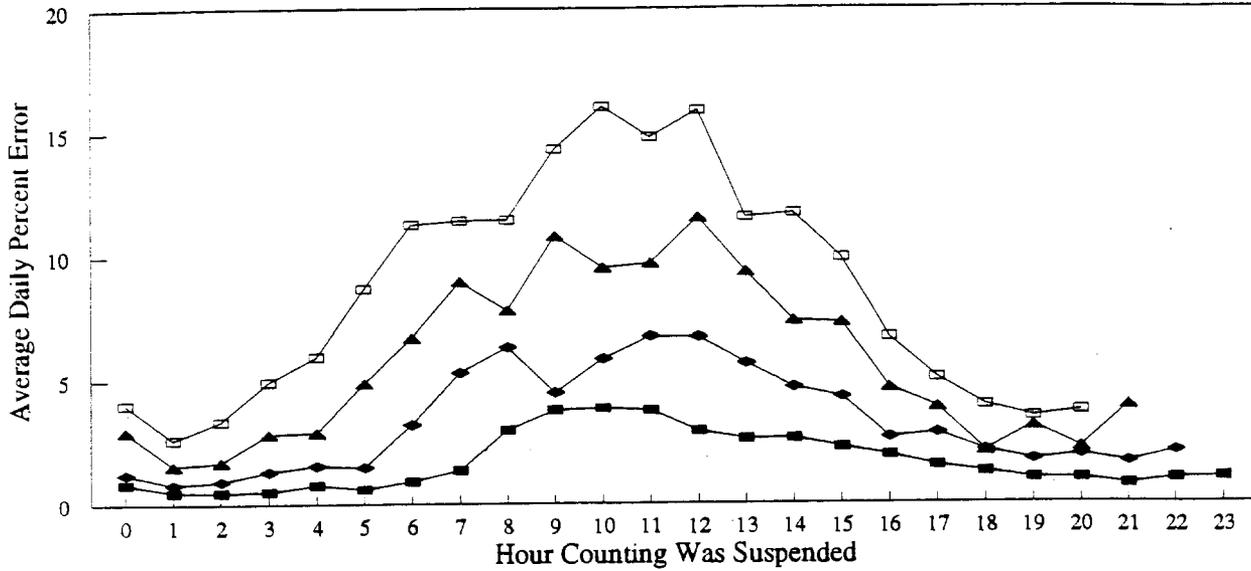




Naknek Tower 1982

One-Four Hours Suspended Counting

ATTACHMENT 4G

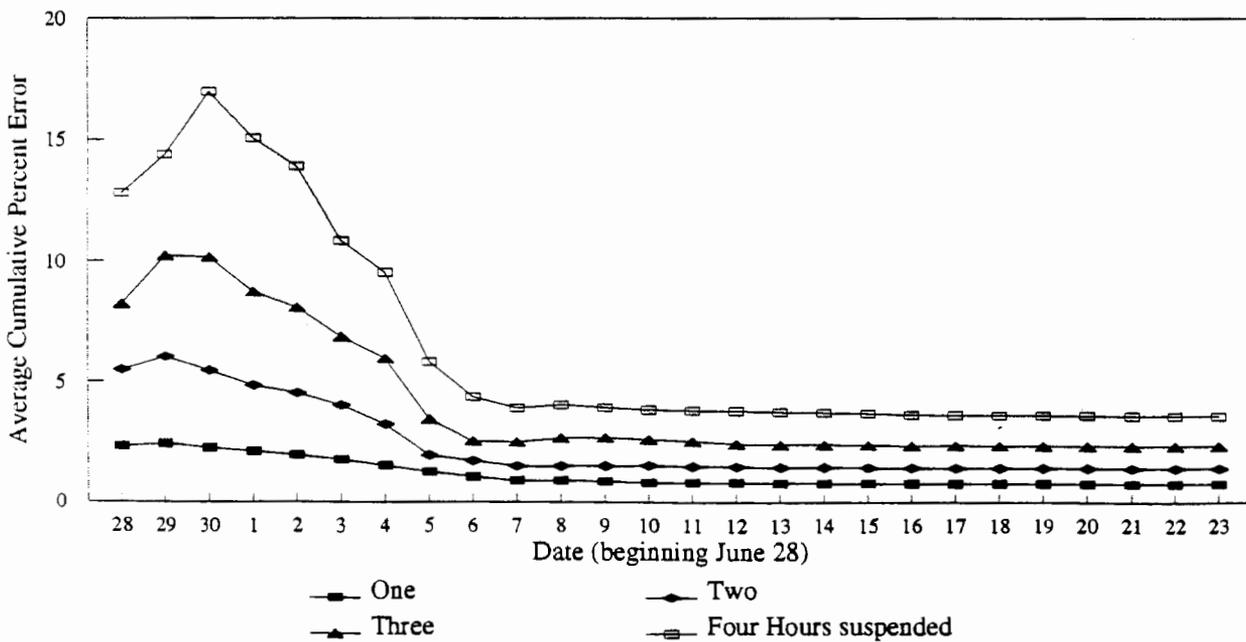
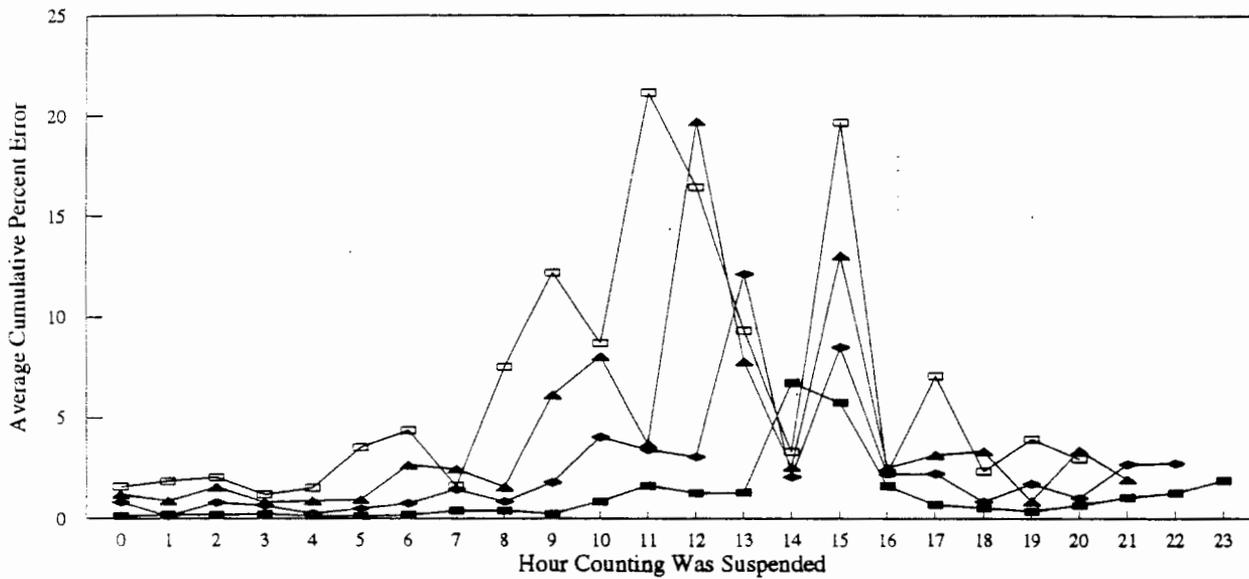
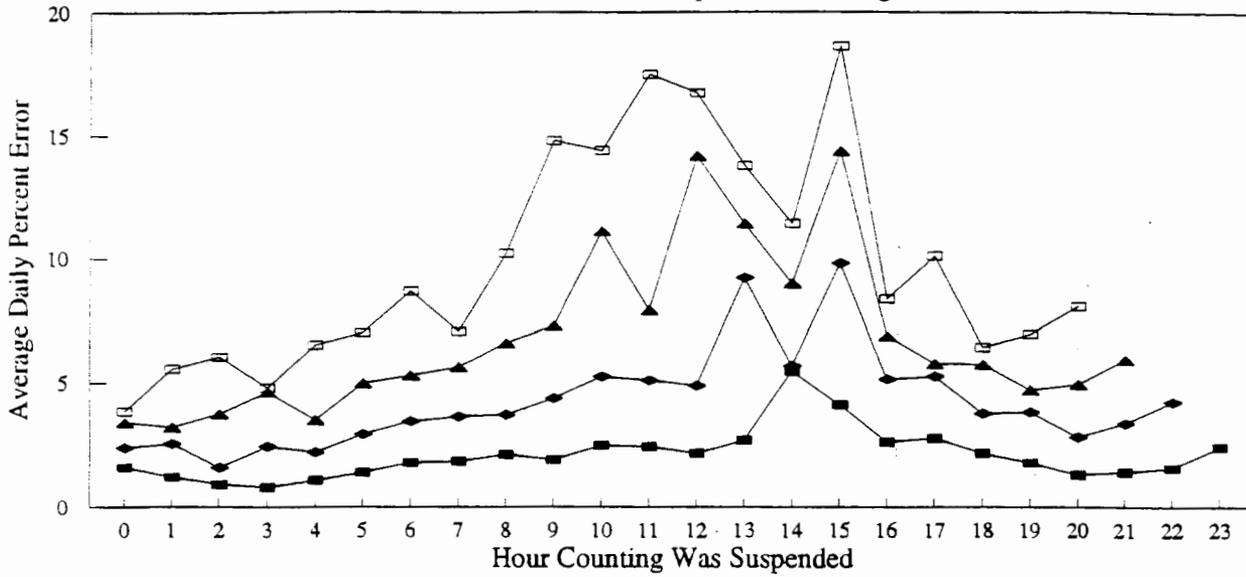


—■— One —◆— Two
 —▲— Three —□— Four Hours suspended

Naknek Tower 1972

ATTACHMENT 4F

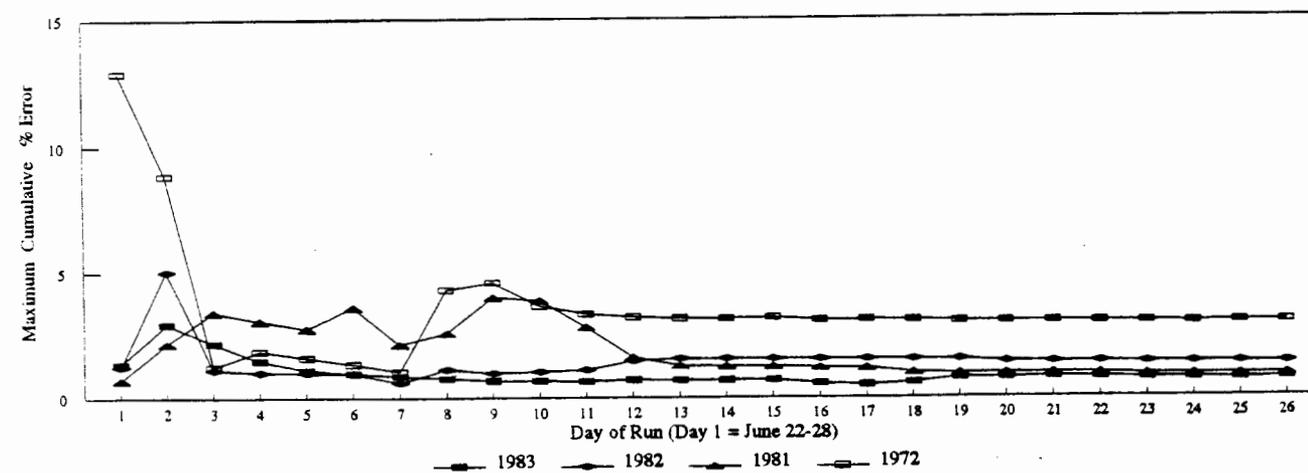
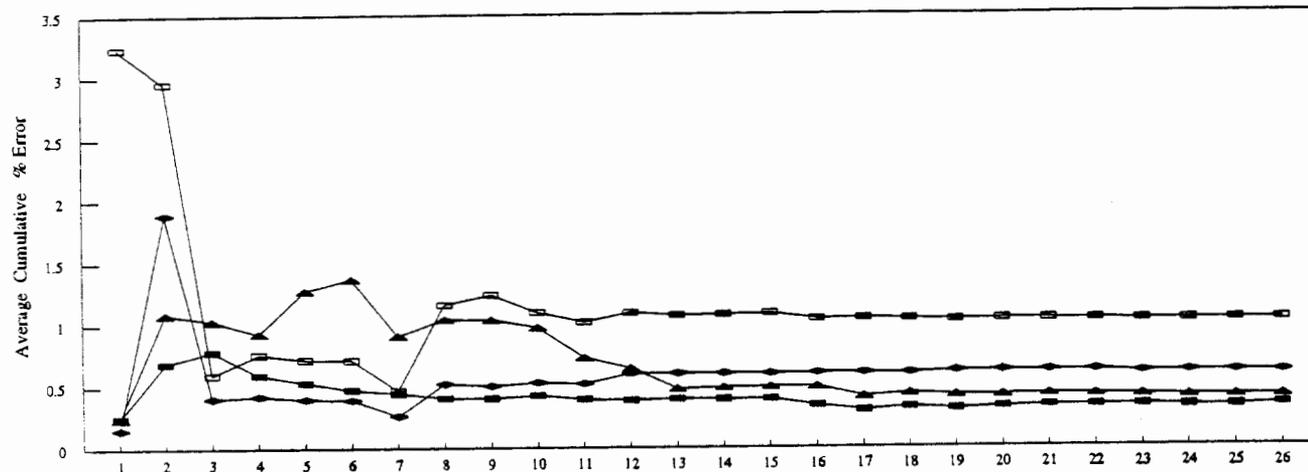
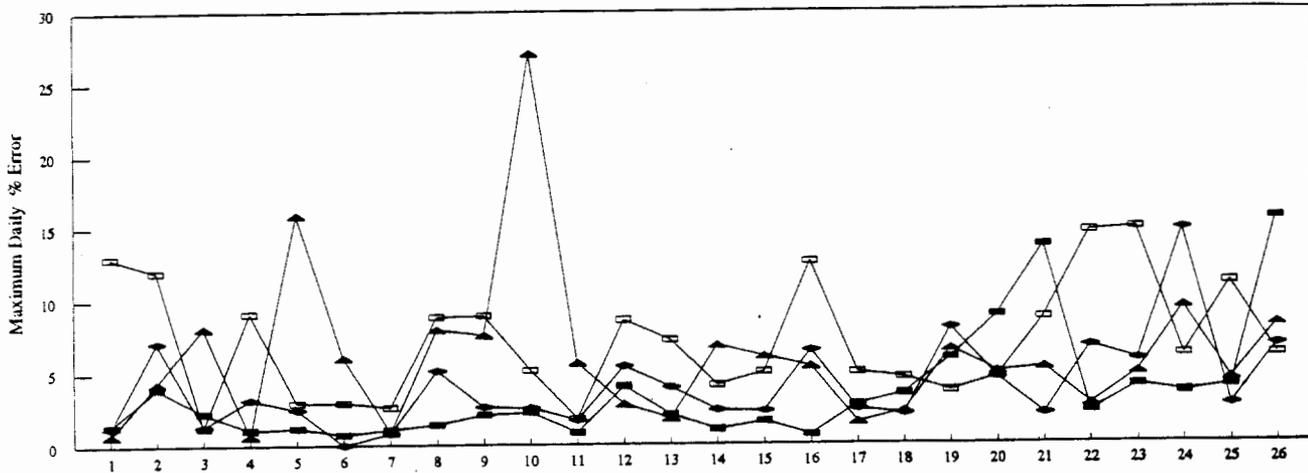
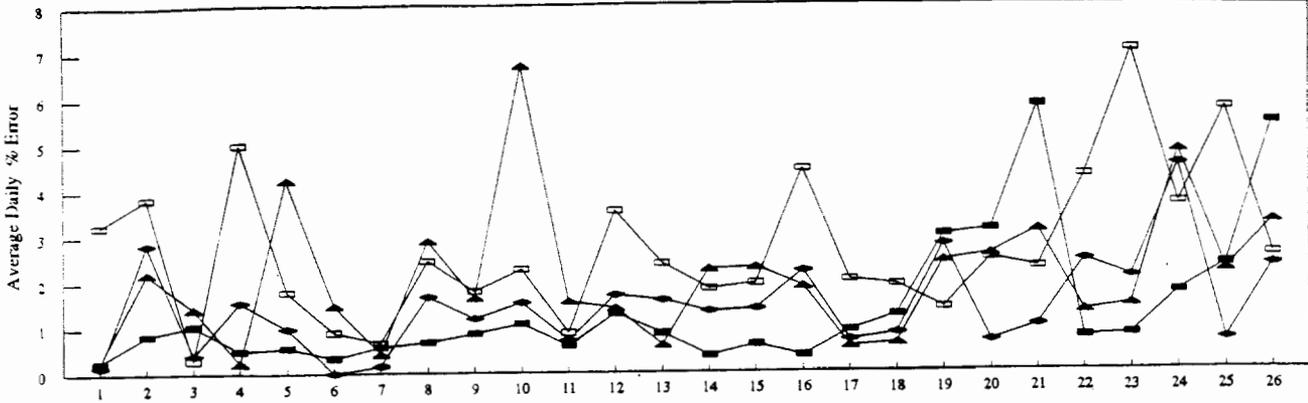
One-Four Hours Suspended Counting



- One
- ◆ Two
- ▲ Three
- ◻ Four Hours suspended

Naknek Tower - Two Hours Suspended Counting ATTACHMENT 4H

Counting Suspended Sometime During 20-04

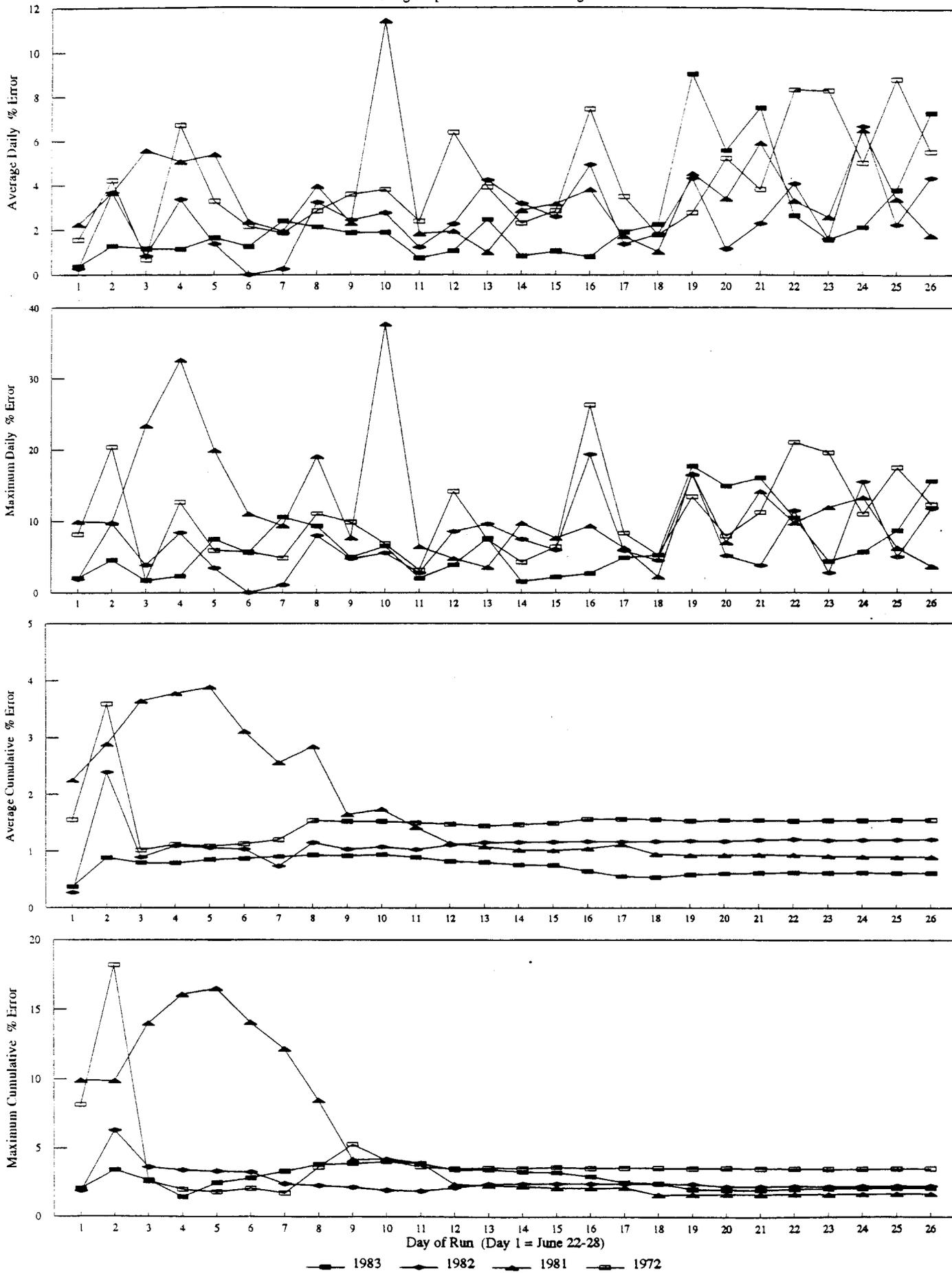


Day of Run (Day 1 = June 22-28)

1983
 1982
 1981
 1972

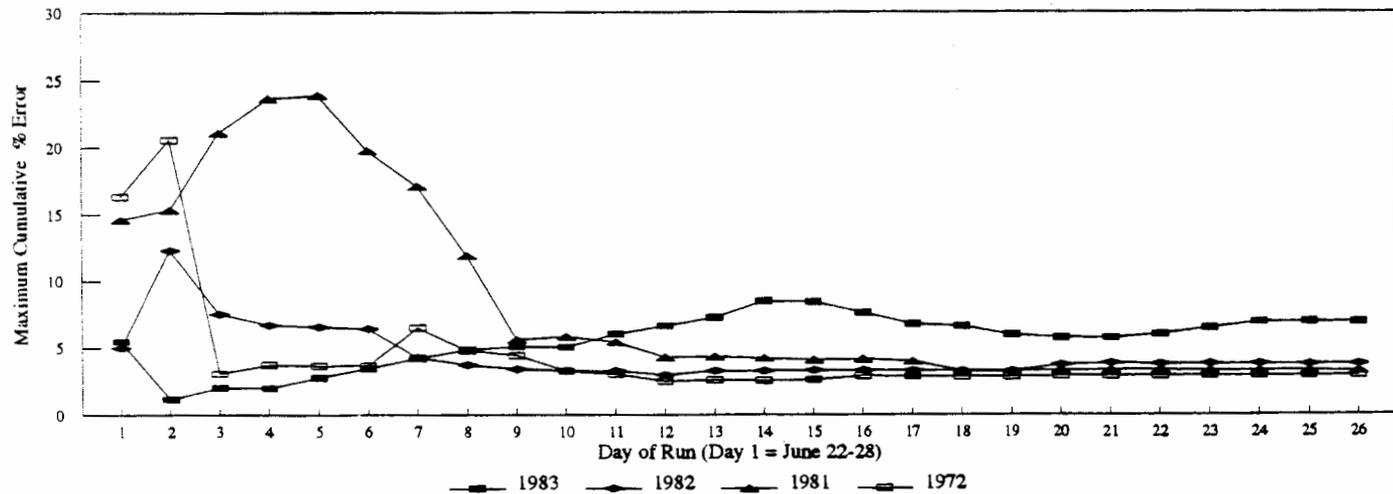
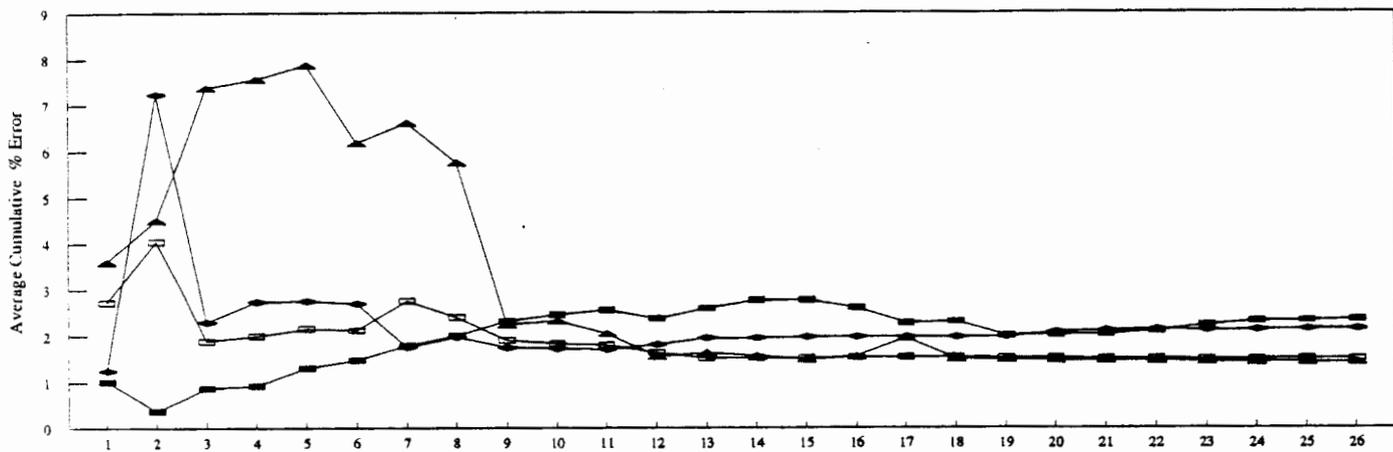
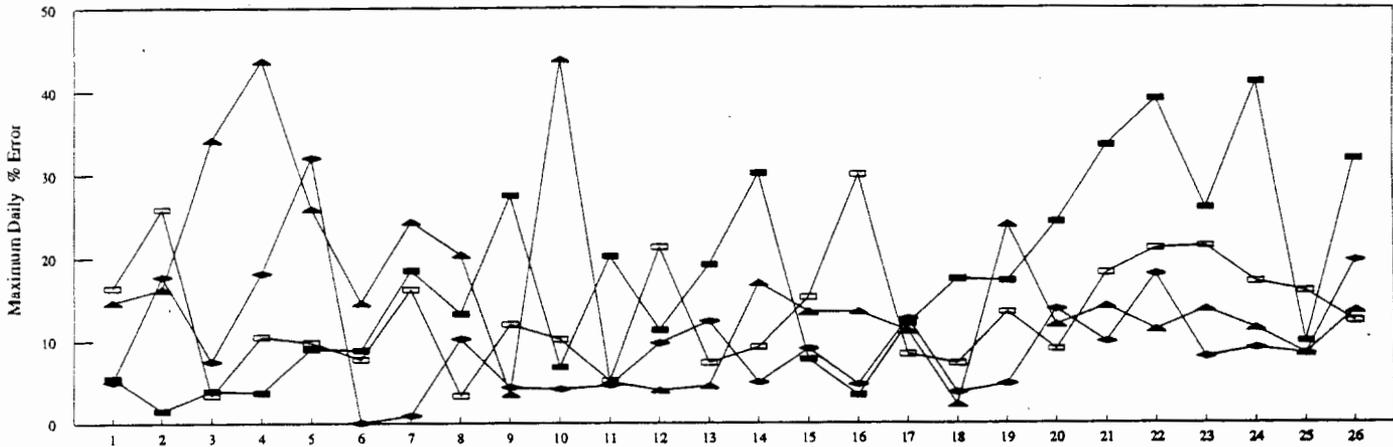
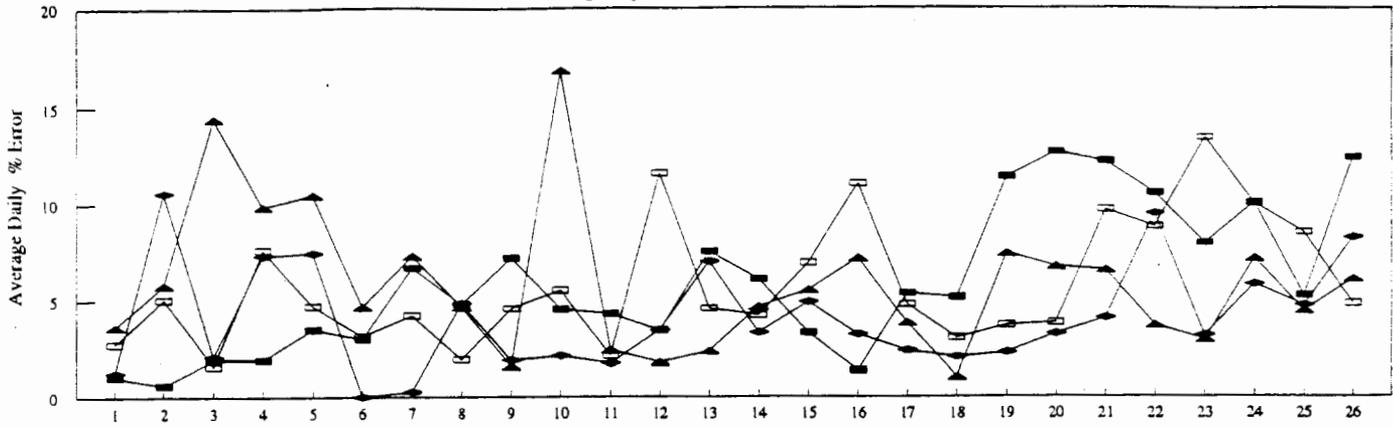
Naknek Tower - Three Hours Suspended Counting

Counting Suspended Sometime During 20-04 Hour



Naknek Tower - Four Hours Suspended Counting ATTACHMENT 4J

Counting Suspended Sometime During 20-04 Hour



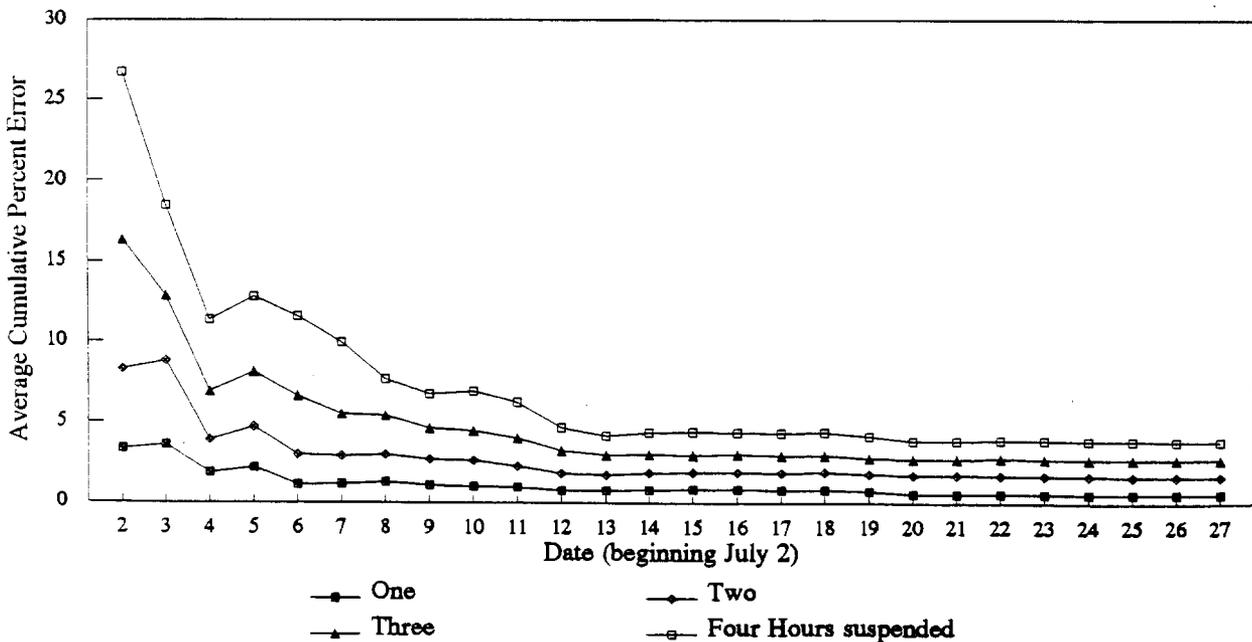
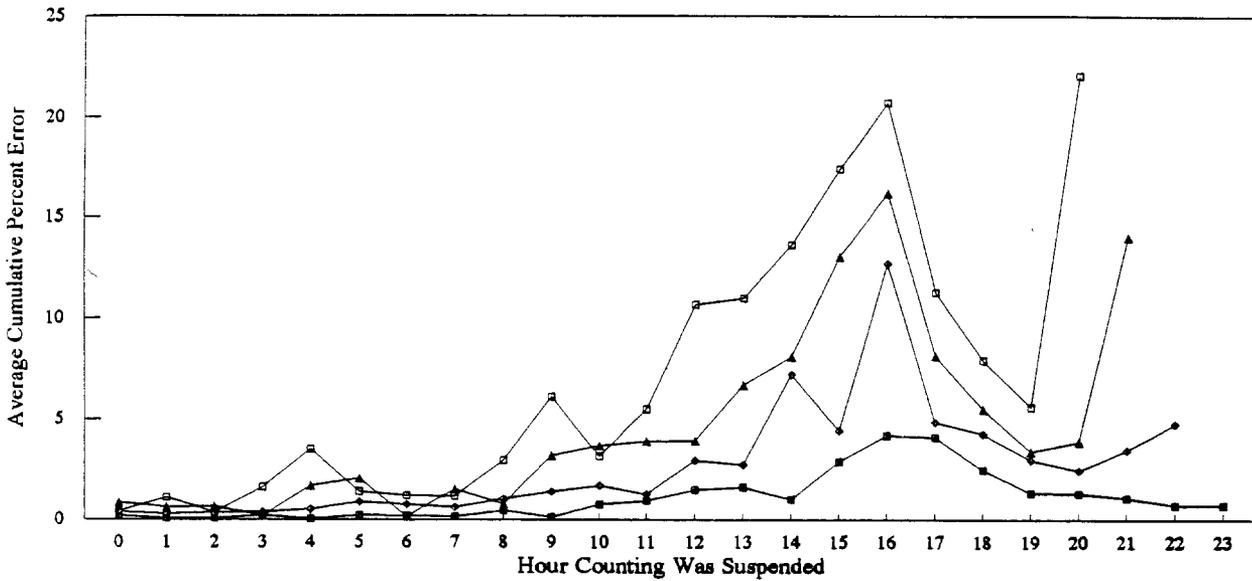
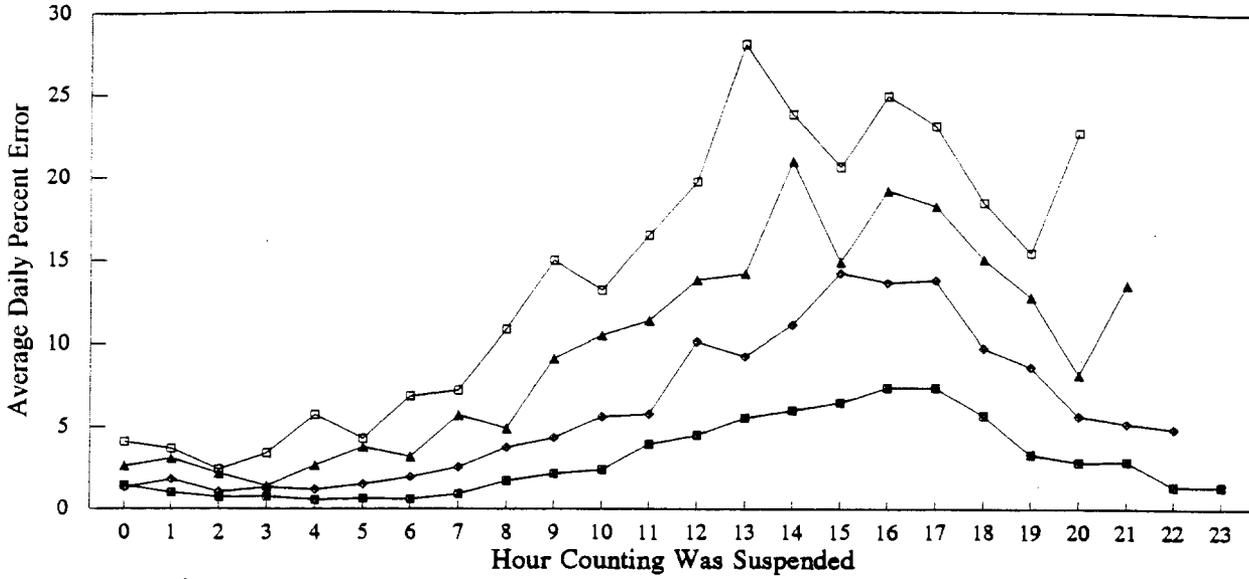
Day of Run (Day 1 = June 22-28)

—●— 1983 —▲— 1982 —○— 1981 —◻— 1972

Egegik Tower 1976

ATTACHMENT 4K

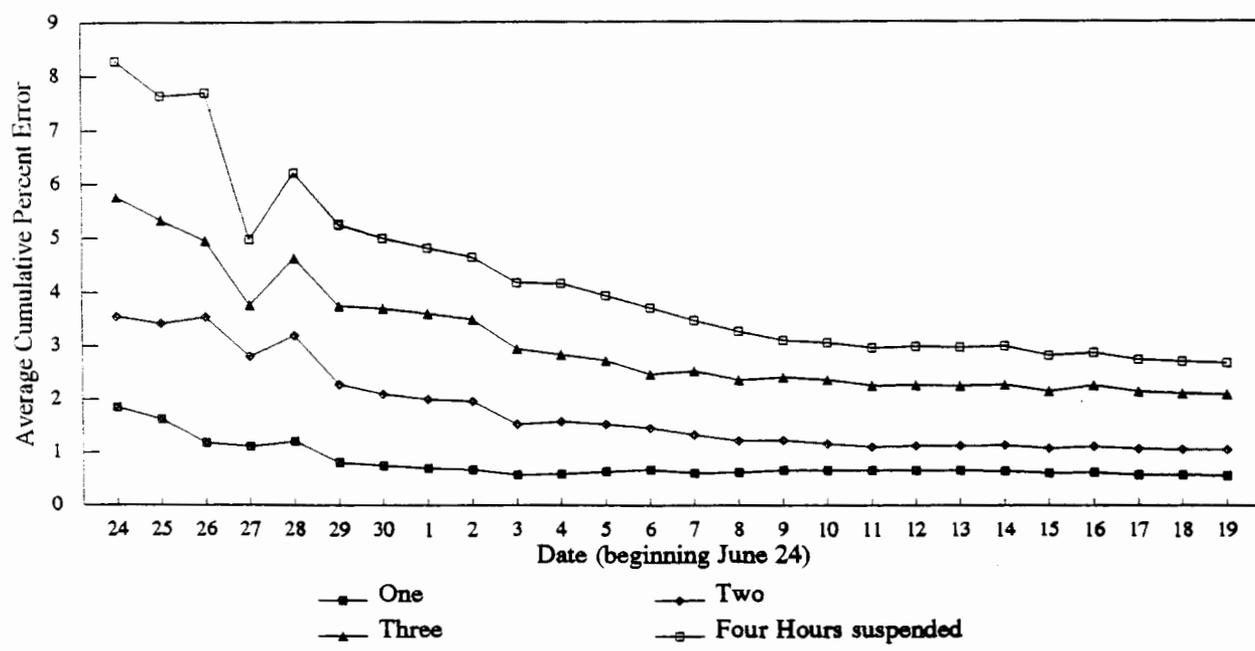
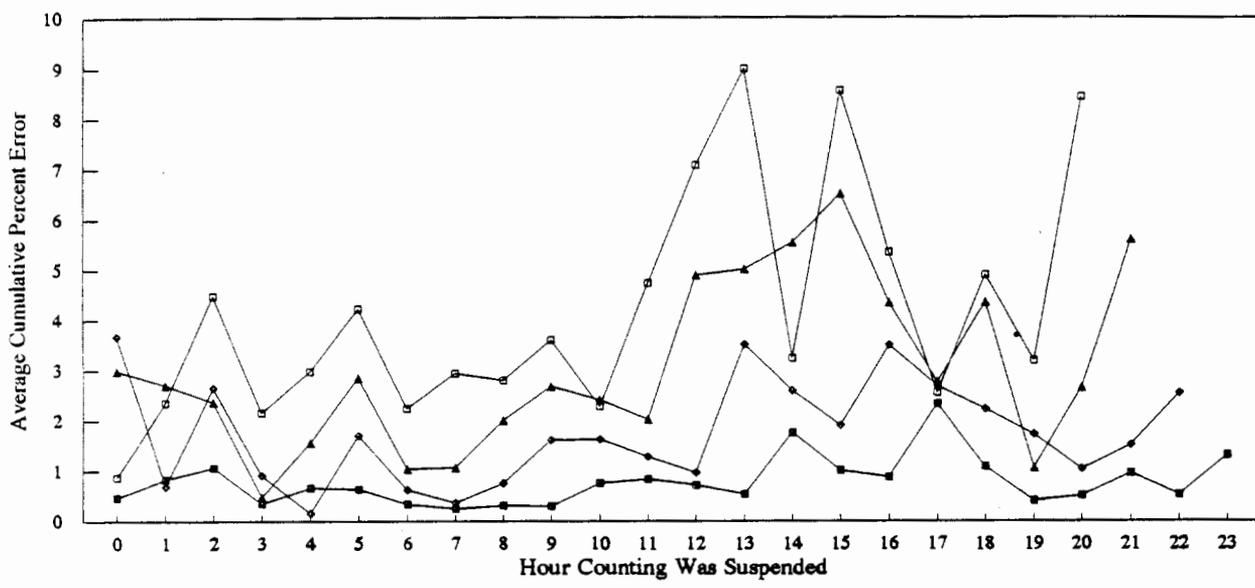
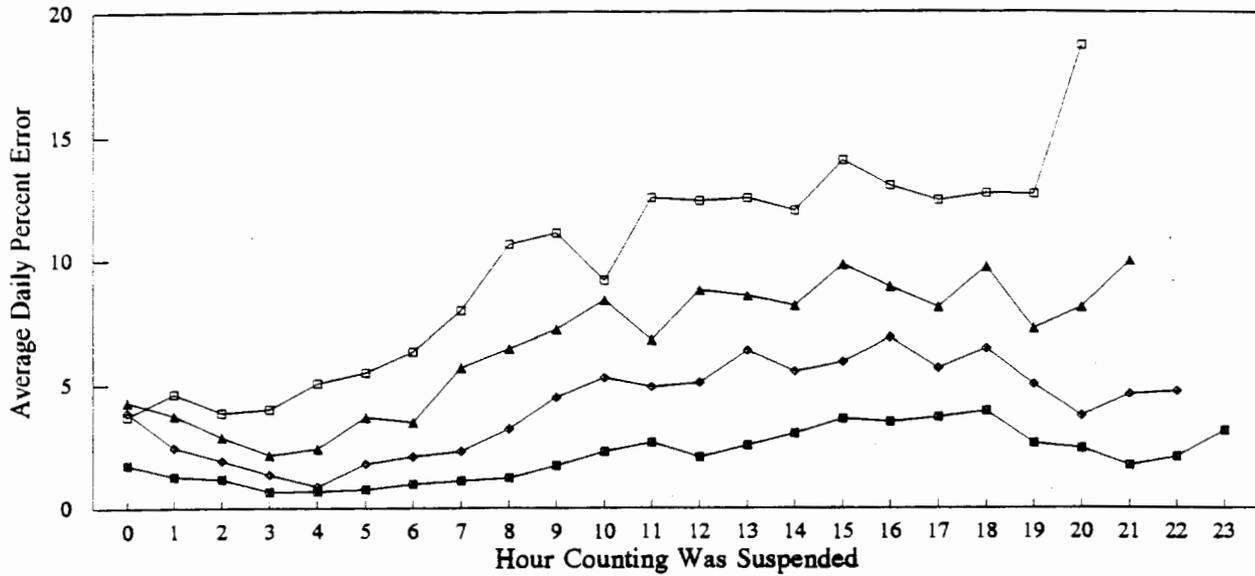
One-Four Hours Suspended Counting



Egegik Tower 1987

ATTACHMENT 4L

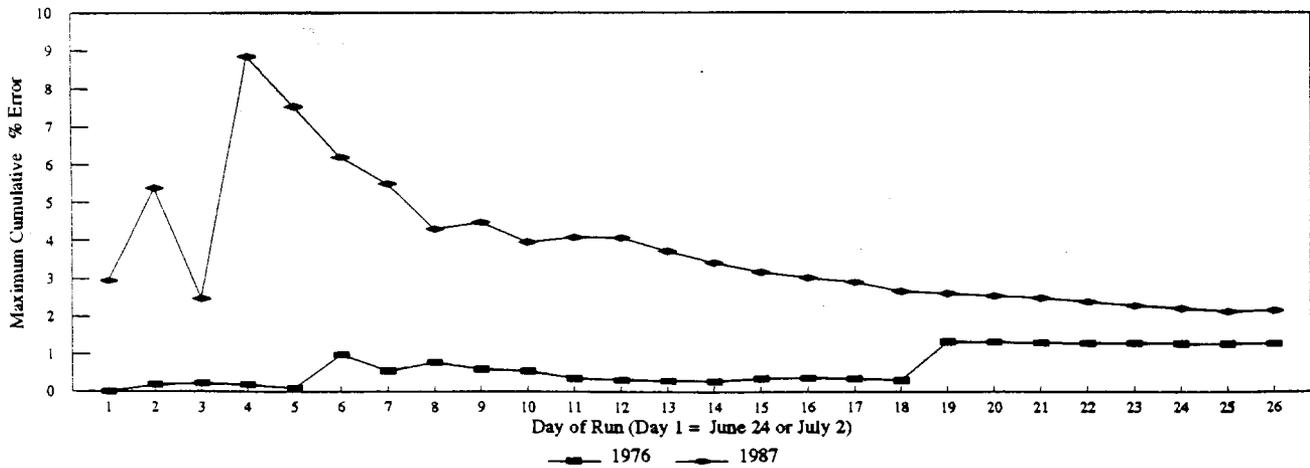
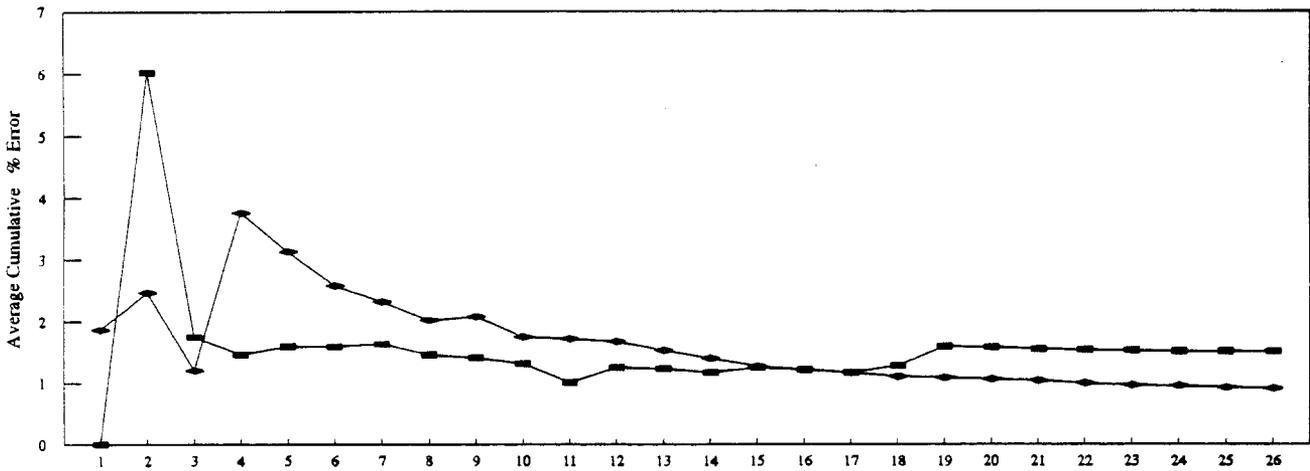
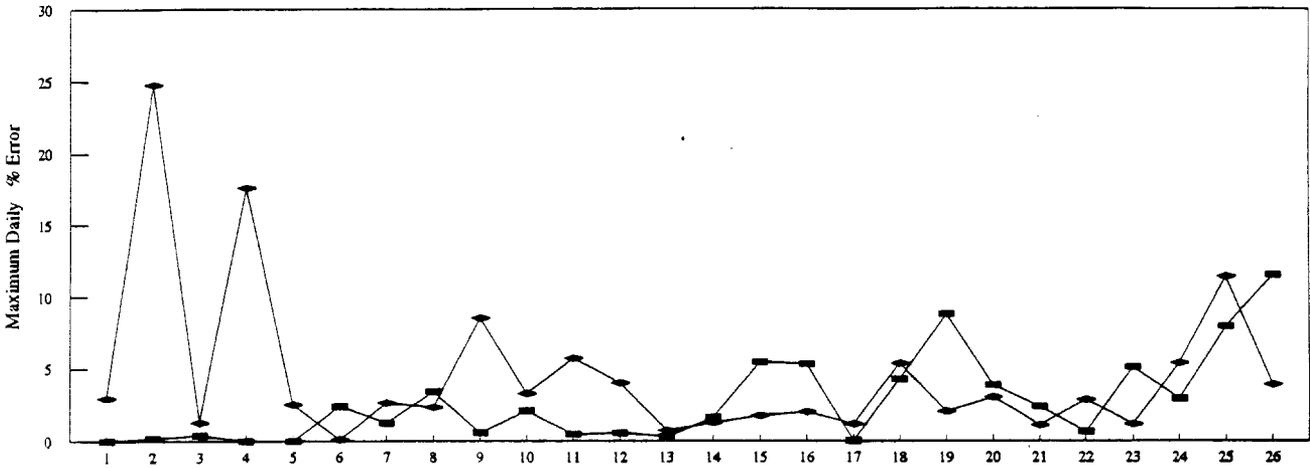
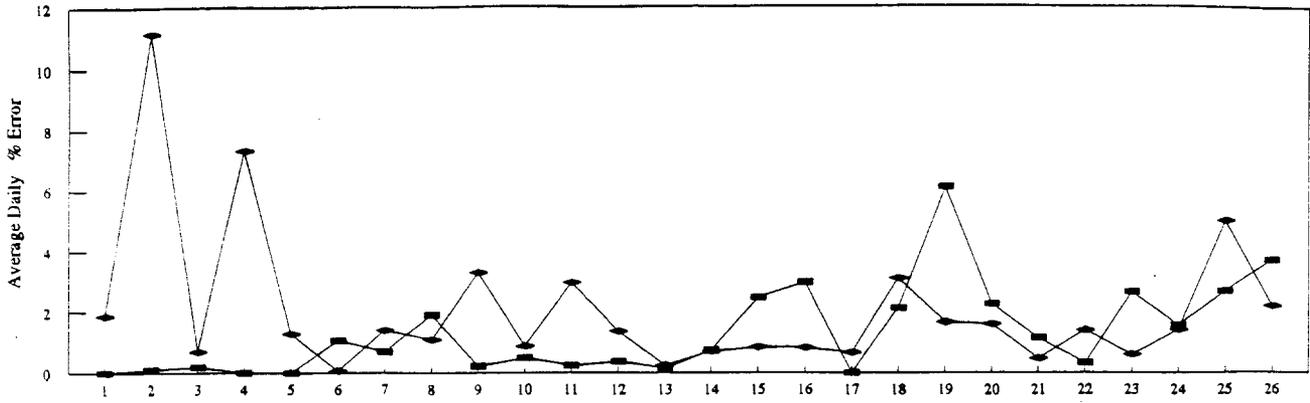
One-Four Hours Suspended Counting



- One
- ◆— Two
- ▲— Three
- Four Hours suspended

Egegik Tower - Two Hours Suspended Counting ATTACHMENT 4M

Two Hours Suspended Counting Sometime 0-4



Day of Run (Day 1 = June 24 or July 2)

—■— 1976 —◆— 1987

Togiak Herring Reports

<u>Report</u>	<u>Authors</u>	<u>Status</u>	<u>Estimated Completion Date</u>
1988 Catch and Escapement Report	Rowell	Staff Review Completed	To Wilbur 2/28
1989 Catch and Escapement Report	Rowell	In Progress	15 March
1990 Catch and Escapement Report	Rowell	Partially Completed	30 March
1991 Catch and Escapement Report	Rowell	Partially Completed	June-July
1992 Catch and Escapement Report	Rowell	Partially Completed	1 April
1991 Forecast RIR	Brannian and Rowell	In progress	May-June
1992 Forecast RIR	Rowell		June-July
1993 Forecast RIR	Brannian, Funk, Rowell		May-June
Forecast Report to NPFMC	Funk, Brannian and Rowell	Completed	(12/92)
Stock Identification Completion Report	Rowell, Geiger, Bue		Summer

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ADF&G, PO Box 25526, Juneau, AK 99802-5526; or O.E.O., U.S. Department of the Interior, Washington, DC 20240.

