

1988
HERRING SAC-ROE HARVEST STRATEGY
KODIAK MANAGEMENT AREA

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1988
KODIAK AREA HERRING SAC-ROE FISHERY

INTRODUCTION

The Kodiak Area herring sac-roe fishery has occurred annually since 1964, a 24 year period. This fishery was an open-to-entry fishery from 1964 to 1980, and was under a moratorium-to-new-entry fishery from 1981 to 1984, and has been a limited entry fishery from 1985 to present. Effort levels during these years are shown in Table 2. A listing of entry permits issued by gear type as of January 1988 is shown in Table 3.

This fishery targets on individual herring stocks during their spawning period. The desired product is pre-spawn herring having a roe recovery percentage acceptable to industry. In recent years the average roe recovery has approximated 10% in this fishery.

During this 24 year period the average harvest has been 1,280 tons. For the nine (9) year period from 1979-1987, when both seine and gillnet gear levels have evolved through similar regulatory adjustments, the average harvest has been 2,000 tons. The annual harvest levels during this nine year period have oscillated closely around this average harvest (Table 2).

GENERAL HARVEST POLICY

Harvesting is intended to occur in an orderly fashion with minimal waste of the resource and within conservation limits as determined by the Alaska Department of Fish and Game (ADF&G). Consequently, ADF&G will manage the fishery per the statewide general herring policy which provides for harvesting to occur in traditional in-shore areas and at the traditional time of greatest roe recovery value, so much as possible. However, roe recovery will not be a criteria for emergency openings or closures except in cases where documented excessive wastage is, or is expected to be, a factor.

Because of the differential timing and abundance of Kodiak's various exploited herring stocks, relatively high ratio of gear levels to Guideline Harvest Levels (GHL's), and the competition between gear types for the same stocks, this fishery is best served by a fixed opening date, which is currently April 15. The season will close for each stock by emergency order as their respective guideline harvest levels are achieved or when fishery performance and stock performance indicate that deviations from the guideline harvest levels are warranted, i.e. where actual harvests should occur at levels greater or lesser than expected. Stocks which are considered to be under-exploited in-season will remain open until the regulatory closure of June 30. During the regulatory season, April 15 to June 30, stocks which have been closed to harvesting may be reopened if it is determined by ADF&G that "new" fish have increased the available spawning biomass to the point that the initial exploitation rate has dropped below 10% for that stock (See Table 1.) Any reopenings will require confirmation that the "new" fish are not juvenile herring, post spawners, or other forage fish and will require that ADF&G have the ability to monitor and regulate the reopening "on the grounds". At least 24 hours notice will be given prior to any reopenings.

REGULATORY ABSTRACT

REGULATIONS IN EFFECT:

THERE HAVE BEEN NO CHANGES IN THE KODIAK AREA COMMERCIAL HERRING REGULATIONS FOR THE 1988 SEASON. All herring regulation changes adopted by the Board of Fisheries in March 1988 will not be in effect until July 1, 1988. All of the Kodiak herring regulations listed in the 1987 regulation book will be in effect for the 1988 season; all of the Kodiak herring regulations listed in the 1988 regulation book will be identical to the 1987 Kodiak herring regulations.

REGISTRATION REQUIREMENTS:

TENDERS AND PROCESSORS

The tender registration procedure requires:

- Each tender operator and processor must register either in person or may be registered by an authorized agent for the tender or processor.
- Registration must occur prior to taking fish on-board the tender or taking fish at the processing plant.

Registration will ensure that all tenders and processors know the proper reporting requirements needed by ADF&G to manage the herring sac-roe fishery.

THIS REGULATION WILL BE STRICTLY ENFORCED FOR THE 1988 SEASON!

- (See Regulation 5 AAC 27.540 of the Commercial Herring Regulations.

FISHING VESSELS

There is no registration requirement for either seine or gillnet vessels.

GUIDELINE HARVEST LEVELS:

For the 1988 sac-roe season, approximately 2.065 short tons are expected to be harvested from the entire management area. Harvest projections by management unit are listed in Table 1.

These harvest projections are the best estimates of what harvest levels should be expected from each stock based upon ADF&G evaluation of stock health. These harvest projections are not guaranteed quotas and the actual harvest may exceed or fall short of these projections.

FISHING SEASON

April 15 through June 30 unless closed earlier by emergency order on a stock by stock basis.

Stock closures may result from desired harvest levels either being achieved or else in jeopardy of being significantly exceeded. Stock closures may also result when unexpected weaknesses in stock strength become apparent.

FISHING PERIODS

Initially, fishing periods will be 24 hours long. They will begin at 12:00 Noon on all odd numbered days and end at 12:00 Noon on all even numbered days during the months of April and May. The first 24 hour fishing period will begin at 12:00 Noon on April 15.

CLOSED AREAS:

Regulatory Closures

Women's Bay is closed inside of a line from Shannon's Point to Nyman's Peninsula. The latitudes and longitudes of these points are described in regulation 5 AAC 27.530.

1988 Emergency Order Closures:

All Uganik Island Lagoons will remain closed until it can be determined that specific and adequate spawning biomasses are available for harvest.

Lower Olga Bay/Moser Bay Section will remain closed until it can be determined that specific and adequate spawning biomass is available for harvest and that the GHJ cannot easily be obtained from the Upper Olga Bay Section.

Brown's Lagoon will remain closed from it's entrance. There will be no 500 yard closure off it's mouth.

EXTRA TIME FOR GILLNETTERS

Under certain conditions, herring gillnetters are allowed a two hour grace period before having to completely remove their gear from the water. These conditions are:

1. Herring gillnets may remain in the water up to two hours after the announced "primary closure time" for those announced fishing periods having three hours of less fishing time.
2. Herring gillnets may remain in the water up to two hours after the announced "primary" closure time for those fishing periods

greater than three hours in length, where the announcement occurs less than three hours before the scheduled "primary closure time" of the fishing period.

The "primary closure time" is the time at which all seine gear must have completed fishing. When it applies, the "secondary closure time", i.e. at the end of the two hour grace period for gillnet gear, ALL GILLNETS MUST BE COMPLETELY OUT OF THE WATER AND NO GILLNET GEAR MAY BE SET OR RESET AFTER THE "PRIMARY CLOSING TIME".

AIRPLANES:

There are no restrictions on the use of airplanes in the roe herring fishery.

LEGAL GEAR:

See regulations 5 AAC 27.515, 27.520, and 27.525 on pages 28 and 29 of the 1987 Commercial Herring Fishing Regulation Book.

IN-SEASON STRATEGY

General Discussion

As shown in Table 1, those sections where historical harvests have occurred have been assigned guideline harvest levels. Those sections where sporadic or no harvests have occurred have been designated "Exploratory" with no designated guideline harvest level, however in-season closures will be used to ensure that excessive harvests are minimized in exploratory situations.

The guideline harvest levels established for each section, district and/or the entire management area are meant to reflect the stock status. This means that the previous season's stock performance has been evaluated and that trends have been identified and used to influence the current season's GHl's. Specifically, these criteria are 1) 1987 expected biomass vs. actual biomass estimates, 2) average school size, 3) trends in age composition, 4) level of recruitment (age 3), 5) proportion of the spawning population age

5 and younger, 6) level of age 2 fish in the spawning biomass (indicator of future recruit strength) and 7) spawn observations (extent, frequency, amount deposited). This information is supplemented by fishery performance information, namely the expected vs. actual harvest timing, harvest duration and harvest level.

Guideline harvest level adjustments are subsequently made based upon the aforementioned criteria. Adjustments may vary from 0 to $\pm 100\%$ of the previous season's GHL depending upon the degree remedial action is required, generally however adjustments are gradual, $\pm 25\%$ or $\pm 50\%$. For the 1988 season a few stocks were adjusted as much as $+75\%$ and some $+50\%$. Several stocks were adjusted $+25\%$ and many remained at the 1987 level (particularly smaller stocks). A few were also adjusted -25% ; there were no downward adjustments greater than -25% .

At any time in-season, closed area adjustments can be made when it appears that pre-season expectations were wrong. Consequently there may be sections either closed prior to reaching their GHL's or allowed to harvest in excess of their GHL's either in one opening or reopenings if the assessed available spawning biomass warrants it.

Fishing Periods

Initially fishing periods will begin at 12:00 Noon on the odd numbered days of the month beginning on April 15 and end at 12:00 Noon on the even numbered days. Staggered days of fishing have the advantage of an automatic cut off date that allows the staff time to collect and summarize all catch data and compare reported catches with actual harvest. In every sac-roe herring season since 1979 excessive harvest has been prevented in some areas by pre-established fishing periods. Towards the end of the season (usually early June) when fleet size and exploited stocks are few in number, fishing periods may be modified to provide more

continuous fishing time to facilitate adequately harvesting late occurring stocks. However, ADF&G's ability to monitor this fishery becomes very limited by late May and June and this will be a major consideration in the nature of fishing period modifications.

During the months of April and May, the primary harvest period, more restrictive adjustments in fishing periods are not expected to occur. However, in the event that active gear levels expand to the point that a pattern of excessive harvests develop, deviations from the normal 24 hour fishing periods may be required.

E.O. Announcements: "Getting the Word"

Because the management strategy for this fishery allows for all gear to fish all open areas during the open fishing periods, there is considerable dispersion of gear throughout the season. Consequently, it is very important for the fleet to keep abreast of any changes in closures, potential short notice closures, and/or reopenings. This can be accomplished in the following ways: 1) By personal contact with the Kodiak Herring Management staff in Kodiak via office visits, telephone (either at work or at home), or radio-telephone; 2) By contact with ADF&G field personnel and the ADF&G vessel, the M/V COHO; 3) By contacting Peggy Dyson on 4125 mhs or any local herring processor and having them transmit the latest Kodiak herring emergency order; 4) By calling the 24-hour recorded message phone at 486-4559; 5) By listening for any emergency order update which will be broadcast by Peggy Dyson following either her 8:00 A.M. or 6:00 P.M. weather broadcasts; 6) By reading or collecting the latest emergency order from the pouch posted outside the entrance to the Kodiak Fish and Game building; and 7) By listening to the Fish and Game reports broadcast over the local AM and FM radio stations (consult stations for broadcast times). No announcements will be given via VHF because of the limited broadcast range from the Kodiak office; however special consideration may be given to the Chiniak Bay fishery if the VHF base station is operational for the 1988 season.

Because of the extensive announcements associated with this fishery, it is highly recommended that fishermen document the latest E.O. announcement broadcast from Peggy Dyson by either marking a chart or making a tape recording of her broadcast. Many fishermen currently do this as do the ADF&G and F&W protection vessels.

ADF&G Field Crews/Fishermen Cooperation:

The crew on board the Department's M/V COHO and seasonal biologists in remote tent camps will aid the Area Management Biologists by making frequent fishermen contacts to collect data on harvest levels and rates, fleet movements, and fleet observations of herring concentrations. Fishermen cooperation will be appreciated when Department personnel request herring samples from the commercial catch. These samples will be used primarily for monitoring age composition, which assists in determining the health of the stock when used with other stock performance indicators. Copies of historical age data by stock are readily available at the Kodiak ADF&G office.

ADF&G field crews will also be monitoring and mapping spawning activities, and all will be soliciting information on commercial sightings to supplement information gathered by ADF&G. Fishermen and spotter pilots are encouraged to provide biomass and spawning information to ADF&G; these reports will be treated confidentially. Past cooperation has generally been excellent and has proven valuable in evaluating stock status and in gaining critical management information.

In-Season Catch Reporting

With approximately 100+ limited entry permit holders expected to fish during the 1988 sac-roe season, frequent aerial surveys and timely catch reports will continue to be an important management tool, particularly in areas that are not covered by field crews. Timely and accurate catch information provided by the processors

and fishermen will be essential in managing the fishery. Processors and independent tender operators will be required to provide daily tallies of herring deliveries by statistical area and processors must provide accurate estimates of herring onboard tenders that have not yet delivered to the cannery. Inaccurate or untimely information could result in the closure of an area. Individual code sheets will be provided for each tender or processor that is required to report catches on a daily basis by radio. Each tender operator and buyer must register with the Department prior to fishing and will be given a packet containing regulations, statistical charts, etc.

Guideline Harvest Level

The 1988 sac-roe harvest should be similar to that of 1981 and close to the average of the past seven (7) years; approximately 2,065 tons is expected to be harvested. If recruitment is above average in several major stocks or if virgin stocks are exploited, the actual harvest may well exceed the GHL. If, however, recruitment is generally weak area-wide and/or adverse weather conditions prevail throughout the season the actual harvest may be significantly less than the GHL.

The listing in Table 1, "GUIDELINE HARVEST LEVELS BY MANAGEMENT UNIT" will be used as an aid in making in-season management decisions. These harvest levels are meant to reflect the status of each listed stock, however, some stocks lack the data base needed for adequate evaluation. Consequently, annual harvest levels for these stocks may fluctuate considerably until their status is more clearly understood. Again, all fishermen, pilots and processors are encouraged to provide the ADF&G management staff with any information or estimates on stock size they may accumulate either in-season or post-season.

TABLE 1
KODIAK HERRING SAC ROE FISHERY
KODIAK GUIDELINE HARVEST LEVELS BY STOCK

STAT. AREA	MGMT. UNITS	1988 GUIDELINE HARVEST LEVEL	REQUIRED SPAWNING BIOMASS @ 10% EXPLOITATION	REQUIRED SPAWNING BIOMASS @20% EXPLOITATION	
<u>AFOGNAK DIST.</u>					
A010	Raspberry Sts.	45 TONS	450 Tons	225 Tons	
A020	Malina Bay	20 TONS	200 Tons	100 Tons	
A031	Paramanof Bay	25 TONS	250 Tons	125 Tons	
A032	Foul Bay	20 TONS	200 Tons	100 Tons	
A040	Devils Inlet	10 TONS	100 Tons	50 Tons	
A040	Blue Fox	10 TONS	100 Tons	50 Tons	
A050	Offshore W. Afog. ^{1/}	-	1/	1/	
A060	Shuyak Is.	20 TONS	200 Tons	100 Tons	
A070	Perenosa Bay	15 TONS	150 Tons	75 Tons	
A071	Delphin Bay	10 TONS	100 Tons	50 Tons	
A072	Seal Bay	10 TONS	100 Tons	50 Tons	
A080	Tonki Bay	10 TONS	100 Tons	50 Tons	
A090	Izhut Bay	15 TONS	150 Tons	75 Tons	
A091	Kitoi Bay	15 TONS	150 Tons	75 Tons	
A092	MacDonalds Lagoon	10 TONS	100 Tons	50 Tons	
A100	Danger Bay	30 TONS	300 Tons	150 Tons	
A101	Litnik	15 TONS	150 Tons	75 Tons	
A102	Duck Bay	10 TONS	100 Tons	50 Tons	
<u>District Totals</u>		17	290 TONS	2,900 Tons	1,450 Tons

STAT. AREA	MGMT. UNITS	1988 GUIDELINE HARVEST LEVEL	REQUIRED SPAWNING BIOMASS @ 10% EXPLOITATION	REQUIRED SPAWNING BIOMASS @20% EXPLOITATION
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UGANIK DIST.

UG10	Kupreanof	10 TONS	100 Tons	50 Tons
UG20	Viekoda	20 TONS	200 Tons	100 Tons
UG21	Terror	65 TONS	650 Tons	325 Tons
UG21	Uganik Is. Lagoon ^{2/}	0 TONS	2/	2/
UG30	Village Island	25 TONS	250 Tons	125 Tons
UG31	W. Uganik Pass	15 TONS	150 Tons	75 Tons
UG32	NE Arm Uganik	60 TONS	600 Tons	300 Tons
UG33	E. Arm Uganik	30 TONS	300 Tons	150 Tons
UG34	S. Arm Uganik	30 TONS	300 Tons	150 Tons
UG40	Offshore Uganik ^{1/}	-	1/	1/

District Totals	9	255 TONS	2,550 Tons	1,275 Tons
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UYAK DISTRICT

UY10	Offshore Uyak ^{1/}	-	1/	1/
UY20	Harvester Island	10 TONS	100 Tons	50 Tons
UY30	Inner Uyak	190 TONS	1,900 Tons	950 Tons
UY30	Browns Lagoon	20 TONS	200 Tons	100 Tons
UY31	Larsen Bay	10 TONS	100 Tons	50 Tons
UY40	Zachar Bay	100 TONS	1,000 Tons	500 Tons
UY50	Spiridon Bay	160 TONS	1,600 Tons	800 Tons

District Totals	6	490 TONS	4,900 Tons	2,450 Tons
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STAT. AREA	MGMT. UNITS	1988 GUIDELINE HARVEST LEVEL	REQUIRED SPAWNING BIOMASS @ 10% EXPLOITATION	@20% EXPLOITATION
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ALITAK DIST.

AL10	Outer Alitak	(Exploration)	<u>3/</u>	<u>3/</u>
AL20	Inner Alitak	(Exploration)	<u>3/</u>	<u>3/</u>
AL21	Deadman Bay	100 TONS	1,000 Tons	500 Tons
AL30	Sulua/Portage Bay	40 TONS	400 Tons	200 Tons
AL40	Lower Olga/Moser	(Exploration)	<u>3/</u>	<u>3/</u>
AL50	Upper Olga Bay	190 TONS	1,900 Tons	950 Tons
AL60	Geese/Twoheaded	(Exploration)	<u>3/</u>	<u>3/</u>

District Totals:		7	330 TONS	3,300 Tons	1,650 Tons
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STURGEON/HALIBUT DIST.

SH10	Sturgeon/Halibut	(Exploration)	<u>3/</u>	<u>3/</u>
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GENERAL DISTRICT

G010	Kaiugnak	10 TONS	100 Tons	50 Tons
G020	W. Sitkalidak St.	(Exploration)	<u>3/</u>	<u>3/</u>
G021	Barling	15 TONS	150 Tons	75 Tons
G022	E. Sitkalidak St.	75 TONS	750 Tons	375 Tons
G023	Tanginak Anchorage	15 TONS	150 Tons	75 Tons
G030	Outer Sitkalidak	(Exploration)	<u>3/</u>	<u>3/</u>
G040	Outer Kiliuda	(Exploration)	<u>3/</u>	<u>3/</u>
G041	Inner Kiliuda	10 TONS	100 Tons	50 Tons
G042	Shearwater	15 TONS	150 Tons	75 Tons
G050	Outer Ugak	(Exploration)	<u>3/</u>	<u>3/</u>
G051	Inner Ugak	40 TONS	400 Tons	200 Tons
G060	Womens Bay	90 TONS	900 Tons	450 Tons
G070	Monashka/Mill B.	(Exploration)	<u>3/</u>	<u>3/</u>
G080	Anton Larsen	30 TONS	300 Tons	150 Tons
G081	Sheratin	15 TONS	150 Tons	75 Tons
G090	Kizhuyak	90 TONS	900 Tons	450 Tons
G100	Kalsin Bay	20 TONS	200 Tons	100 Tons
G101	Middle Bay	25 TONS	250 Tons	125 Tons

STAT. AREA	MGMT. UNITS	1988 GUIDELINE HARVEST LEVEL	REQUIRED SPAWNING BIOMASS @ 10% EXPLOITATION	REQUIRED SPAWNING BIOMASS @ 20% EXPLOITATION
G102	Inshore Chiniak	10 TONS	100 Tons	50 Tons
G103	Spruce Island	10 TONS	100 Tons	50 Tons
District Total		20	470 TONS	4,700 Tons
				2,350 Tons

MAINLAND DIST.

M010	North Mainland	(Exploration)	<u>3/</u>	<u>3/</u>
M020	Inner Kukak	50 TONS	500 Tons	250 Tons
M030	Outer Kukak ^{1/}	-	<u>1/</u>	<u>1/</u>
M040	Inner Missak	(Exploration)	<u>3/</u>	<u>3/</u>
M040	Outer Missak ^{1/}	-	<u>1/</u>	<u>1/</u>
M050	Inner Katmai	50 TONS	500 Tons	250 Tons
M060	Outer Katmai ^{1/}	-	<u>1/</u>	<u>1/</u>
M070	Alinchak	30 TONS	300 Tons	150 Tons
M080	Puale Bay	(Exploration)	<u>3/</u>	<u>3/</u>
M090	Portage Bay	(Exploration)	<u>3/</u>	<u>3/</u>
M100	Outer Portage ^{1/}	-	<u>1/</u>	<u>1/</u>
M110	Wide Bay	100 TONS	1,500 Tons	500 Tons
M120	Lower Shelikof	(Exploration)	<u>3/</u>	<u>3/</u>
District Total		230 TONS	2,300 Tons	1,150 Tons

GRAND TOTAL **2,065 TONS** **20,650 Tons** **10,325 Tons**

^{1/}These are offshore management units which are not expected to yield herring of sac-roe quality. These units are more applicable to the food/bait fishery. (See Herring Food/Bait Fishery Management Plan.)

^{2/}The spawning biomass has probably been reduced to less than 50 tons and the unit is closed to fishing.

^{3/}There should be adequate biomass to justify the actual harvest; harvest should not exceed 20% of the available biomass.

TABLE 2.

KODIAK HERRING SAC-ROE FISHERY FISHERY SUMMARY BY YEAR AND BY GEAR

YEAR	SEASON LENGTH DAYS	TOTAL HARVEST	BY GEAR		PERCENT		LANDINGS		NO. UNITS		AVG. \$'S	
			SEINE	G/N	SEINE	G/N	SEINE	G/N	SEINE	G/N	SEINE	G/N
1979	36	1735	1457	278	84	16	-	-	57	125	38,347	3,333
1980	35	2383	2009	374	84	16	-	-	92	109	14,978	2,573
1981	48	2063	1598	469	77	23	207	406	79	114	14,402	3,471
1982	59	1771	1447	324	82	18	138	191	45	67	17,819	2,719
1983	51	2319	1797	522	78	22	164	284	41	64	35,061	6,520
1984	54	2163	1691	472	78	22	138	212	39	69	34,691	5,467
1985	59	1968	1244	724	63	37	118	348	34	81	32,935	8,039
1986	61	1558	1110	448	71	29	132	385	31	71	34,010	6,002
1987	61	2146	1591	554	74	26	122	411	29	62	54,872	8,945
9 YEAR AVG.	52	2012	1549	463	77	23	113	249	50	85	30,791	5,230

TABLE 3.

LIMITED ENTRY PERMIT STATUS AS OF JANUARY 1988

NUMBER PERMITS	SEINE			GILLNET			TOTAL		
	N.T.	T.	TOT.	N.T.	T.	TOT.	N.T.	T.	TOT.
Fishable Permits in 1987									
Interim-Use:	-	-	22	-	-	48	-	-	70
Permanent	4	40	44	0	59	59	4	99	103
TOTAL	-	40	66	-	59	107	-	99	173
Active Permits in 1987									
TOTAL	-	-	29	-	-	62	-	-	91

N.T. - Non-Transfer
T. - Transferable

1988

HERRING SAC-ROE SEASON
ALASKA DEPARTMENT OF FISH AND GAME

KODIAK AREA MANAGEMENT STAFF

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Asst. Area Mgmt. Biologist

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Kim Rudge
Leslie Scott
Deb Robinson
Tracy McKinion

Aircraft Pilots

Ed Sampson
Tom Dinnocenzo
John Becker
Tom Pearson
Ralph Wright
Larry Nicholson

REGIONAL SUPERVISOR:

Larry Nicholson

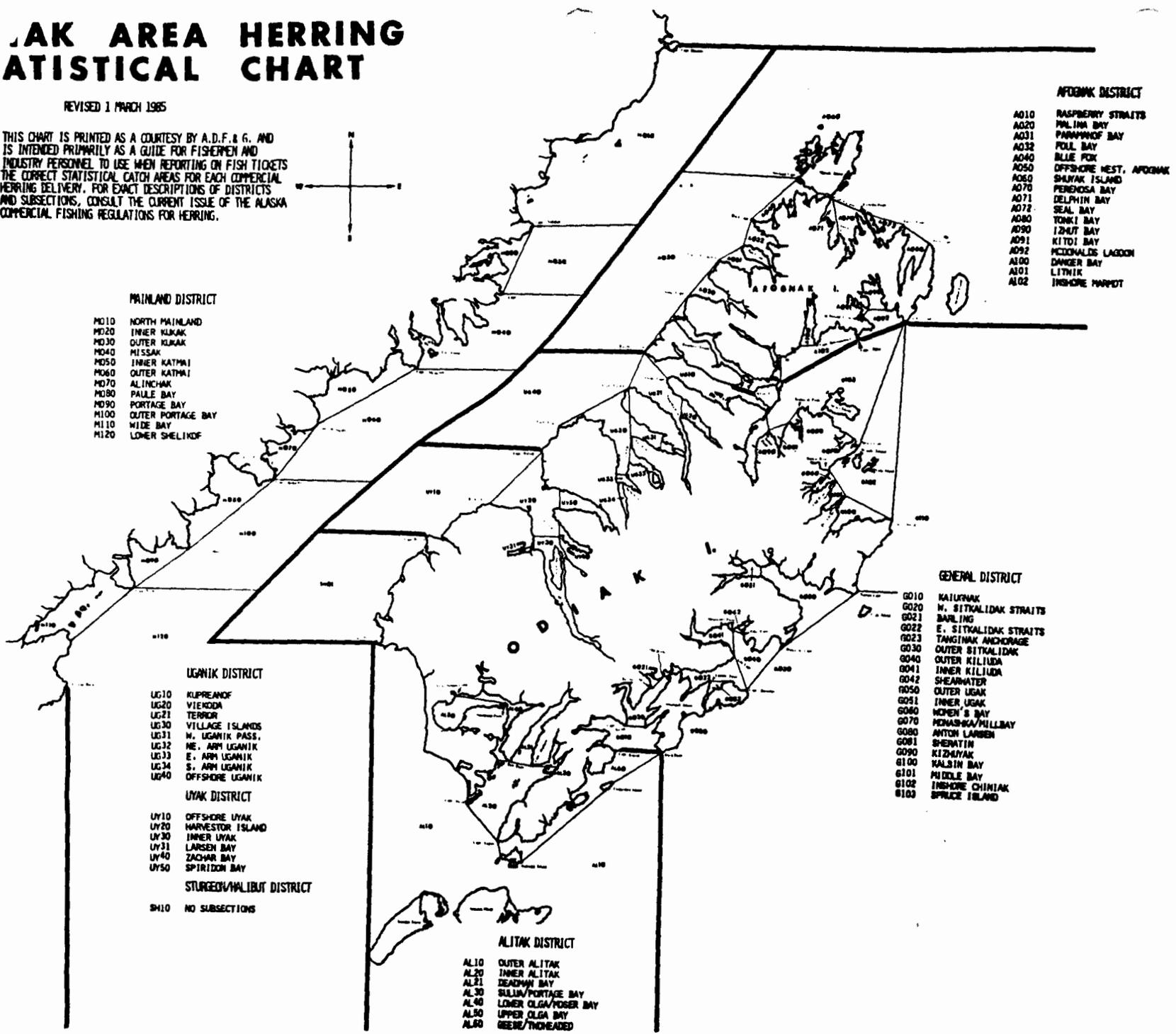
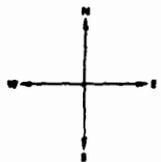
REGIONAL FINFISH COORDINATOR:

Pete Probasco

KOLJAK AREA HERRING STATISTICAL CHART

REVISED 1 MARCH 1985

THIS CHART IS PRINTED AS A COURTESY BY A.D.F. & G. AND IS INTENDED PRIMARILY AS A GUIDE FOR FISHERMEN AND INDUSTRY PERSONNEL TO USE WHEN REPORTING ON FISH TICKETS THE CORRECT STATISTICAL CATCH AREAS FOR EACH COMMERCIAL HERRING DELIVERY. FOR EXACT DESCRIPTIONS OF DISTRICTS AND SUBSECTIONS, CONSULT THE CURRENT ISSUE OF THE ALASKA COMMERCIAL FISHING REGULATIONS FOR HERRING.



MAINLAND DISTRICT

- M010 NORTH MAINLAND
- M020 INNER KUKAK
- M030 OUTER KUKAK
- M040 MISSAK
- M050 INNER KATHAI
- M060 OUTER KATHAI
- M070 ALINCHAK
- M080 PAULLE BAY
- M090 PORTAGE BAY
- M100 OUTER PORTAGE BAY
- M110 WIDE BAY
- M120 LOWER SHELKOF

UGANIK DISTRICT

- UG10 KUPREANOF
- UG20 VIENODA
- UG21 TERRER
- UG30 VILLAGE ISLANDS
- UG31 W. UGANIK PASS.
- UG32 NE. ARM UGANIK
- UG33 E. ARM UGANIK
- UG34 S. ARM UGANIK
- UG40 OFFSHORE UGANIK

UYAK DISTRICT

- UY10 OFFSHORE UYAK
- UY20 HARVESTER ISLAND
- UY30 INNER UYAK
- UY31 LARSEN BAY
- UY40 ZACHAR BAY
- UY50 SPIRIDON BAY

STURGEON/ALIBUT DISTRICT

- SH10 NO SUBSECTIONS

ALITAK DISTRICT

- AL10 OUTER ALITAK
- AL20 INNER ALITAK
- AL21 DEADMAN BAY
- AL30 SULLIVAN/PORTAGE BAY
- AL40 LOWER OLGA/POSER BAY
- AL50 UPPER OLGA BAY
- AL60 GREEN/TWOHEADED

AFOGNAK DISTRICT

- A010 RASPBERRY STRAITS
- A020 PALINA BAY
- A030 PARMANOF BAY
- A032 POLI BAY
- A040 BLUE FOX
- A050 OFFSHORE WEST, AFOGNAK
- A060 SHALVAK ISLAND
- A070 PENNOSA BAY
- A071 DELPHIN BAY
- A072 SEAL BAY
- A080 TONKI BAY
- A090 IZHUJ BAY
- A091 KITDI BAY
- A092 McDONALD'S LAGOON
- A100 DANGER BAY
- A101 LITNIK
- A102 INSHORE PARROT

GENERAL DISTRICT

- G010 KATURNAK
- G020 W. SITKALIDAK STRAITS
- G021 BARLING
- G022 E. SITKALIDAK STRAITS
- G023 TANGINAK ANCHORAGE
- G030 OUTER SITKALIDAK
- G040 OUTER KILILUA
- G041 INNER KILILUA
- G042 SHEARWATER
- G050 OUTER USAK
- G051 INNER USAK
- G060 WOMEN'S BAY
- G070 MONASHKA/HILLBAY
- G080 ANTON LARSEN
- G081 SHERATIN
- G090 KIZHIYAK
- G100 KALSIN BAY
- G101 MIDDLE BAY
- G102 INSHORE CHINIYAK
- G103 BRUCE ISLAND

FIGURE 1.