



2025 ADF&G Scallop Dredge Survey Results

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2026 Scallop Plan Team Meeting

April 6th, 2026

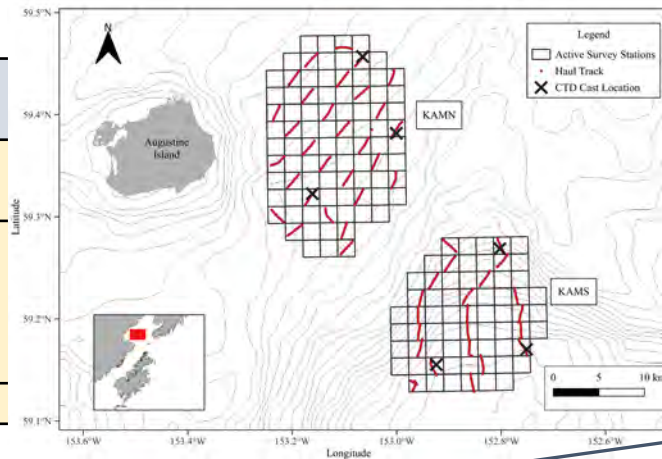


Survey Design – Sampling Locations

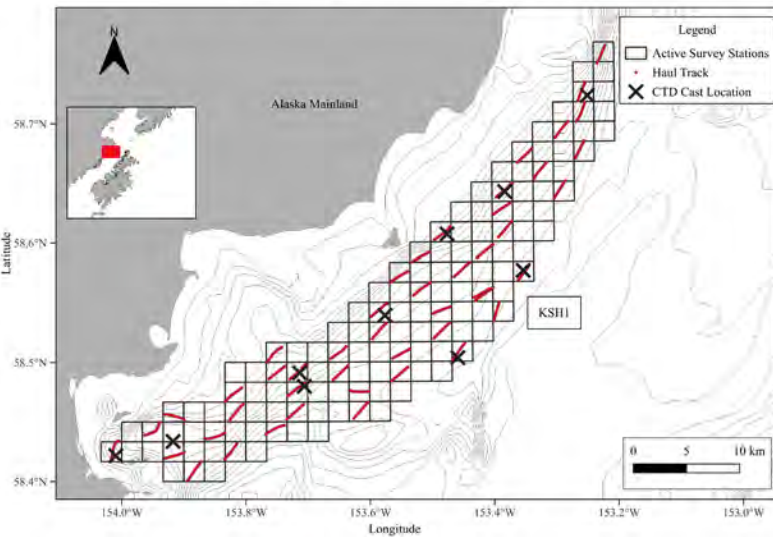
Survey 2501 April 16 - 27, 2025

District	Bed	Stations Sampled	Active Stations	Sampling Rate
Cook Inlet	KAMN	29	87	33%
Kamishak Bay	KAMS	21	66	32%
Kodiak	KNE2	37	109	34%
Northeast	KNE3	30	89	34%
	KNE5	7	20	35%
	KNE6	9	25	36%
Shelikof	KSH1	45	134	34%

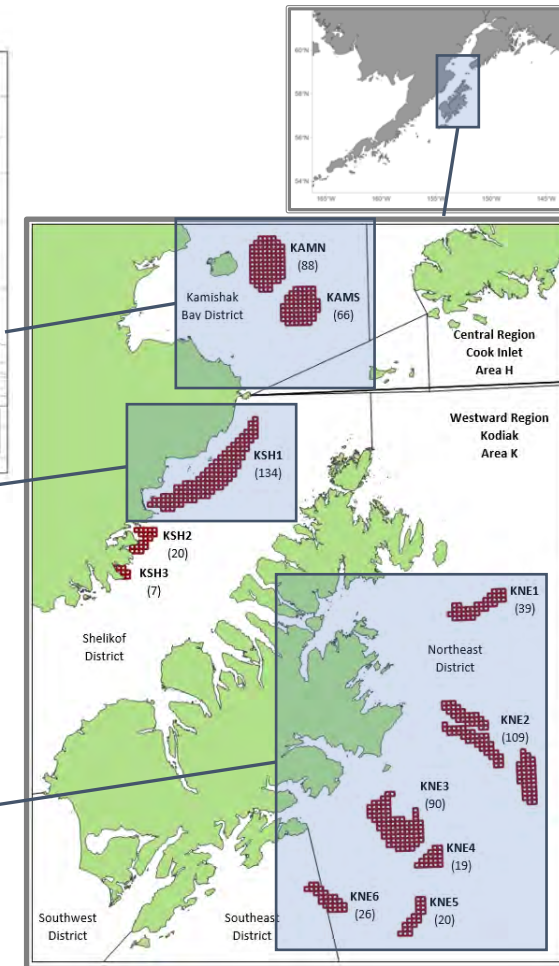
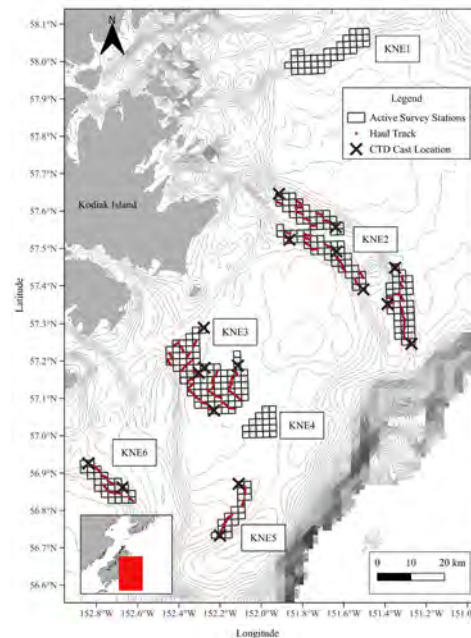
2025 Kamishak Bay District Scallop Dredge Survey



2025 Kodiak Shelikof District Scallop Dredge Survey



2025 Kodiak Northeast District Scallop Dredge Survey



Survey Design – Station Sampling

Supporting information

Fishing log

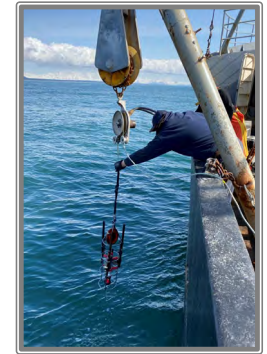
- Haul information
 - Date/time
 - Lat/long
 - Depth
 - Duration
 - Dredge performance
 - Sea state
- ### Dredgemaster
- Dredge angle
 - Bottom temperature

ECC GLOBE

- Haul track lines

Environmental Data

- Vertical profiles
 - CTD (conductivity, temp, depth)
 - pH logger



Survey Design – Catch Sampling



Whole Catch Sampling

Sorting

- Scallops sorted by size
 - <100 mm
 - ≥100 mm
- Species composition subsample

Count and Weigh

- Total baskets
 - Scallops
 - Bycatch
- Scallops per basket

Natural Mortality

- Clappers
- Predators

Subsampled Catch

Scallop Size Frequency

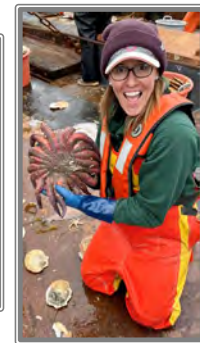
- Shell height

Scallop biological metrics

- Shell height
- Whole weight
- Meat weight and condition
- Gonad condition
- Sex
- Parasite presence
- Shell collection (aging)

Haul Composition

- Species composition
- Debris (natural, man-made)



Results - Outline

Abundance and Round Weight Biomass

- Large (≥ 100 mm)
- Small (< 100 mm)

Size Composition

Meat Weight Biomass

Shell Height/Meat Weight

Gonad Condition

Shell Infections

- Shell borers
- Shell blisters

Meat Condition

- Good meats
- Weak meats

Environmental Conditions

- CTD/pH data (*2025 data not currently available*)

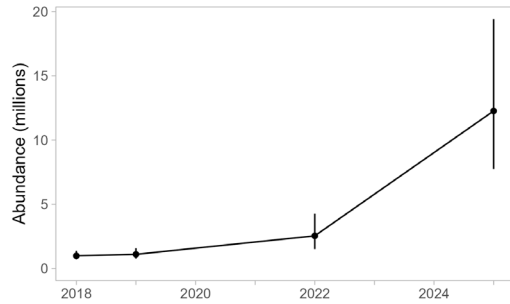
2026 Survey Plan



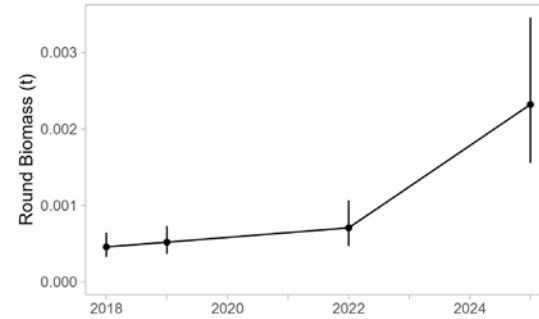
Results – Abundance and Round Weight Biomass

Large Scallops ($\geq 100\text{mm}$)

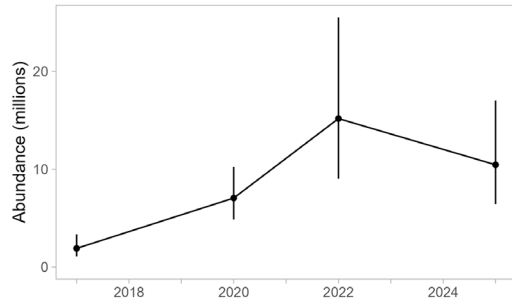
Kamishak Bay



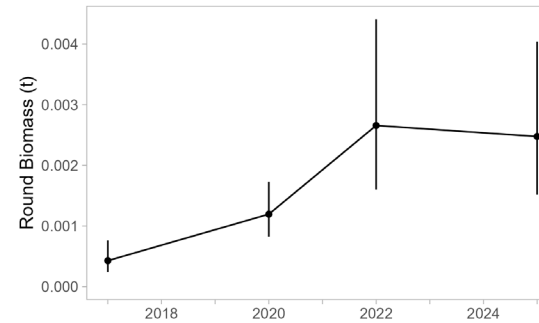
Kamishak Bay



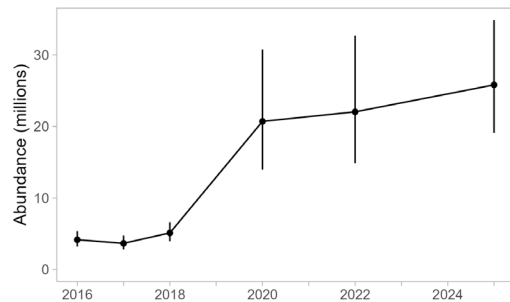
Kodiak Northeast



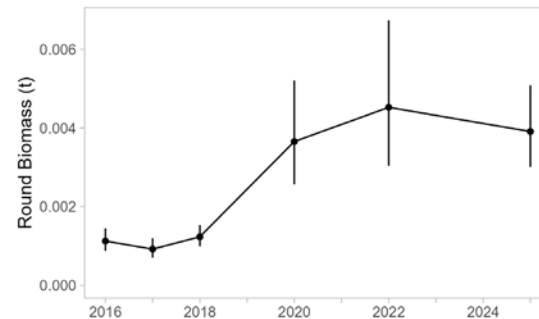
Kodiak Northeast



Kodiak Shelikof



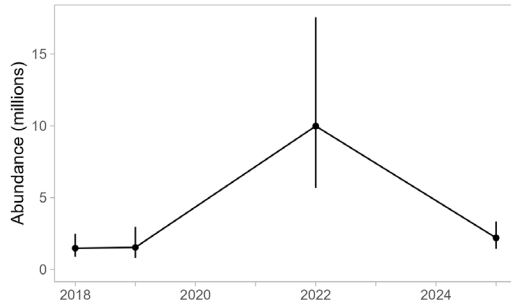
Kodiak Shelikof



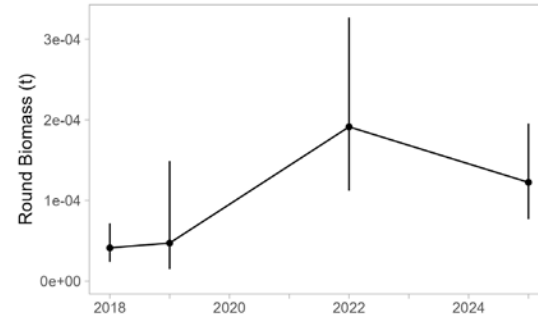
Results – Abundance and Round Weight Biomass

Small Scallops (< 100mm)

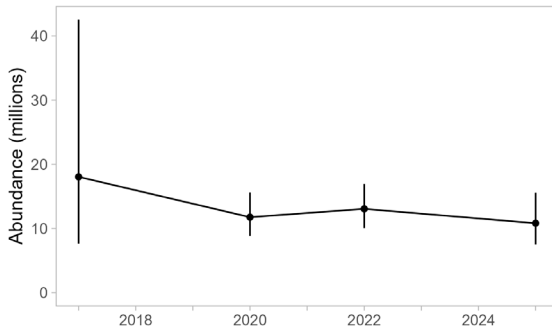
Kamishak Bay



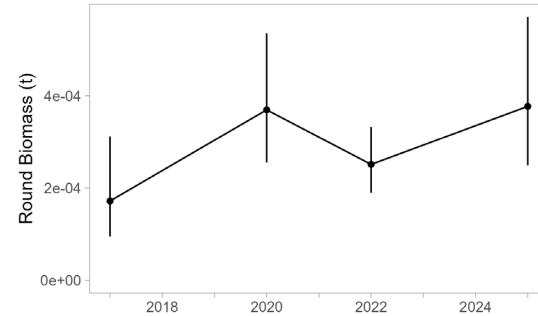
Kamishak Bay



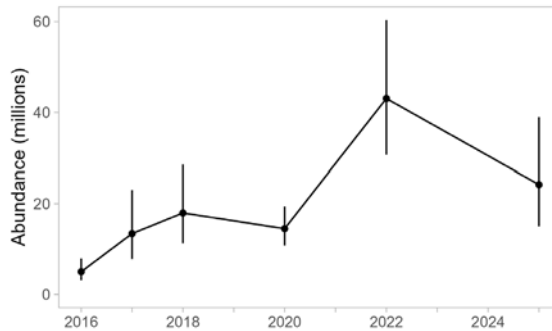
Kodiak Northeast



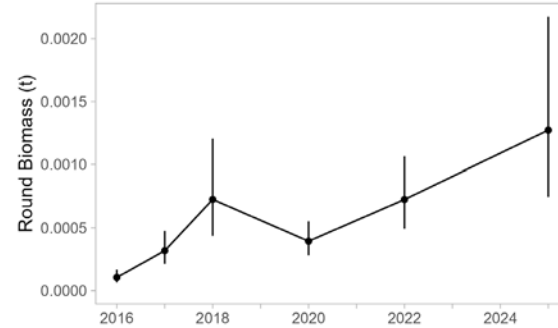
Kodiak Northeast



Kodiak Shelikof

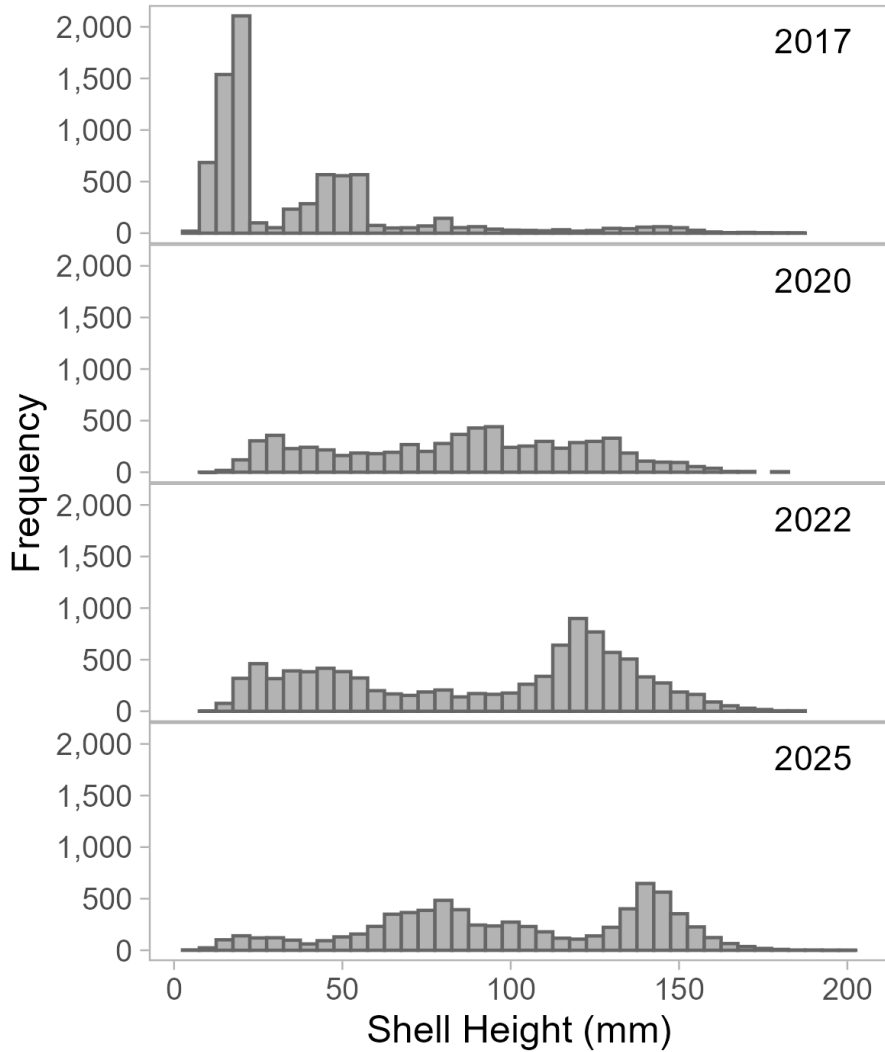


Kodiak Shelikof

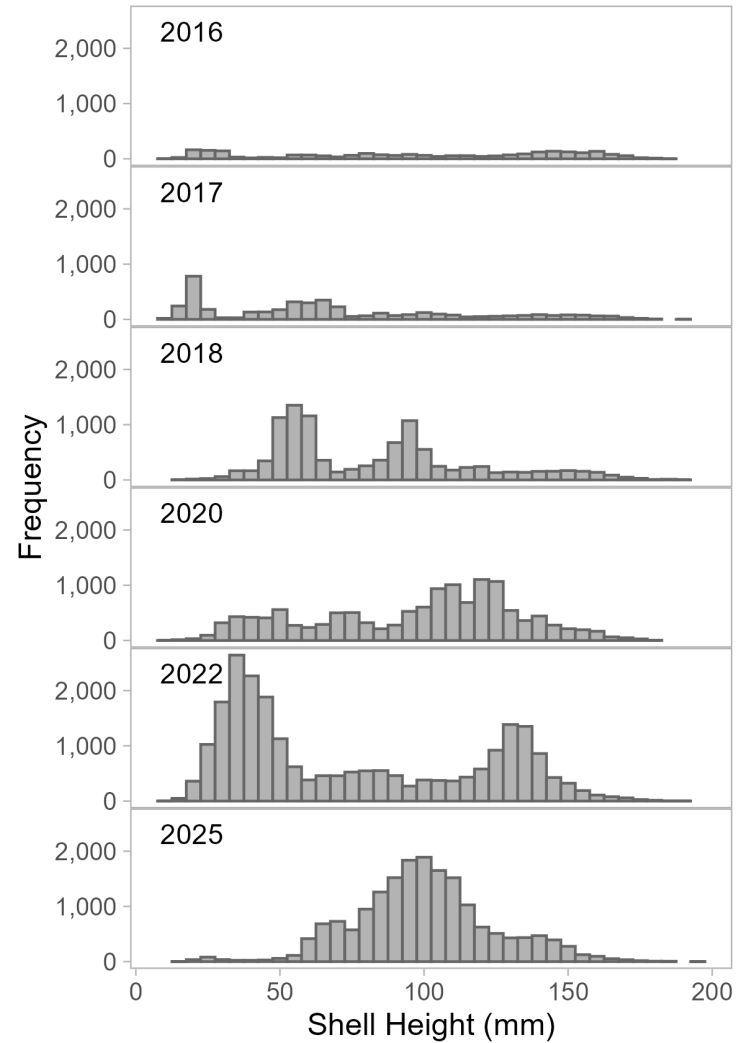


Results – Size Composition

Kodiak Northeast

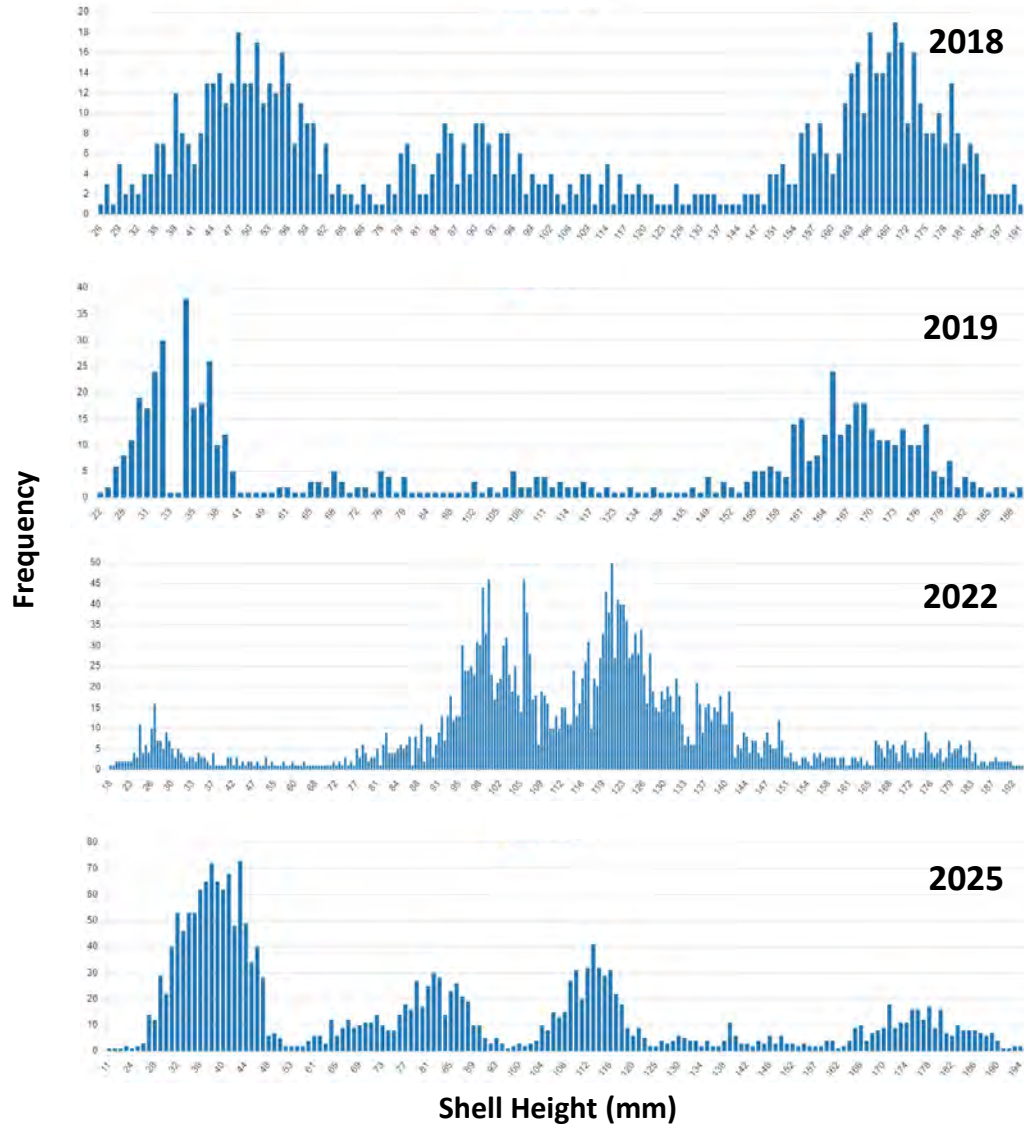


Kodiak Shelikof



Results – Size Composition

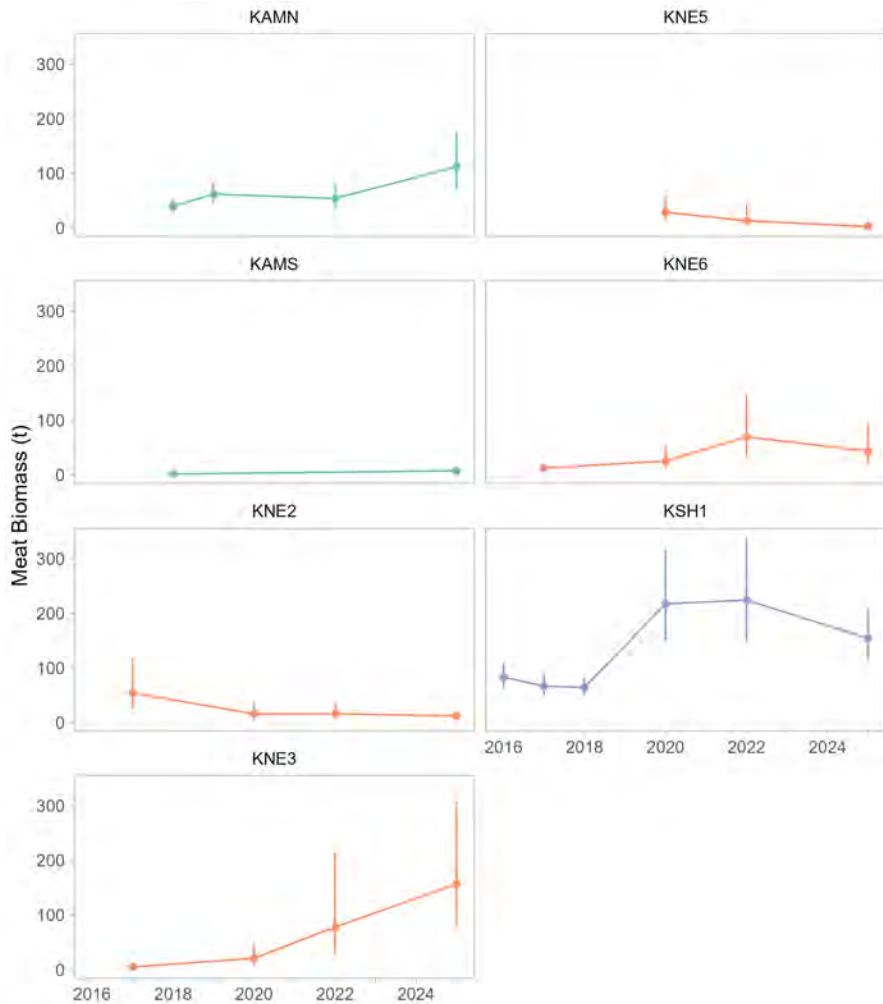
Kamishak Bay



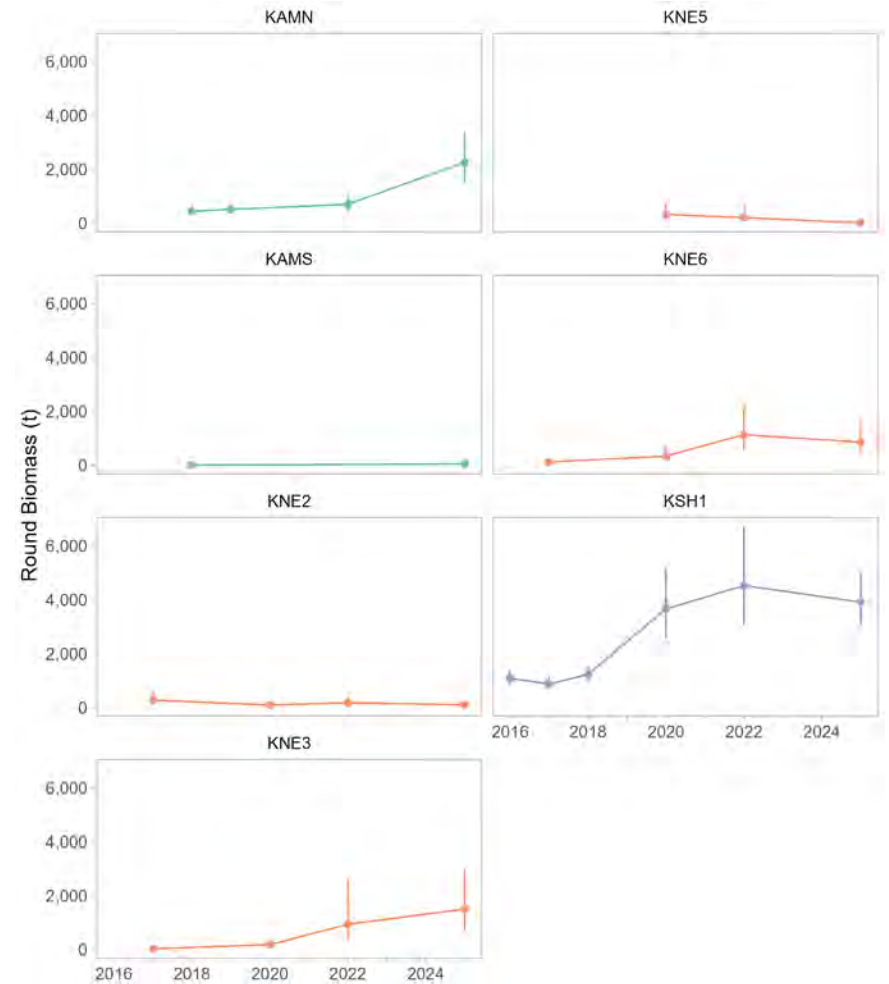
Results – Meat Weight Biomass

Large Scallops ($\geq 100\text{mm}$)

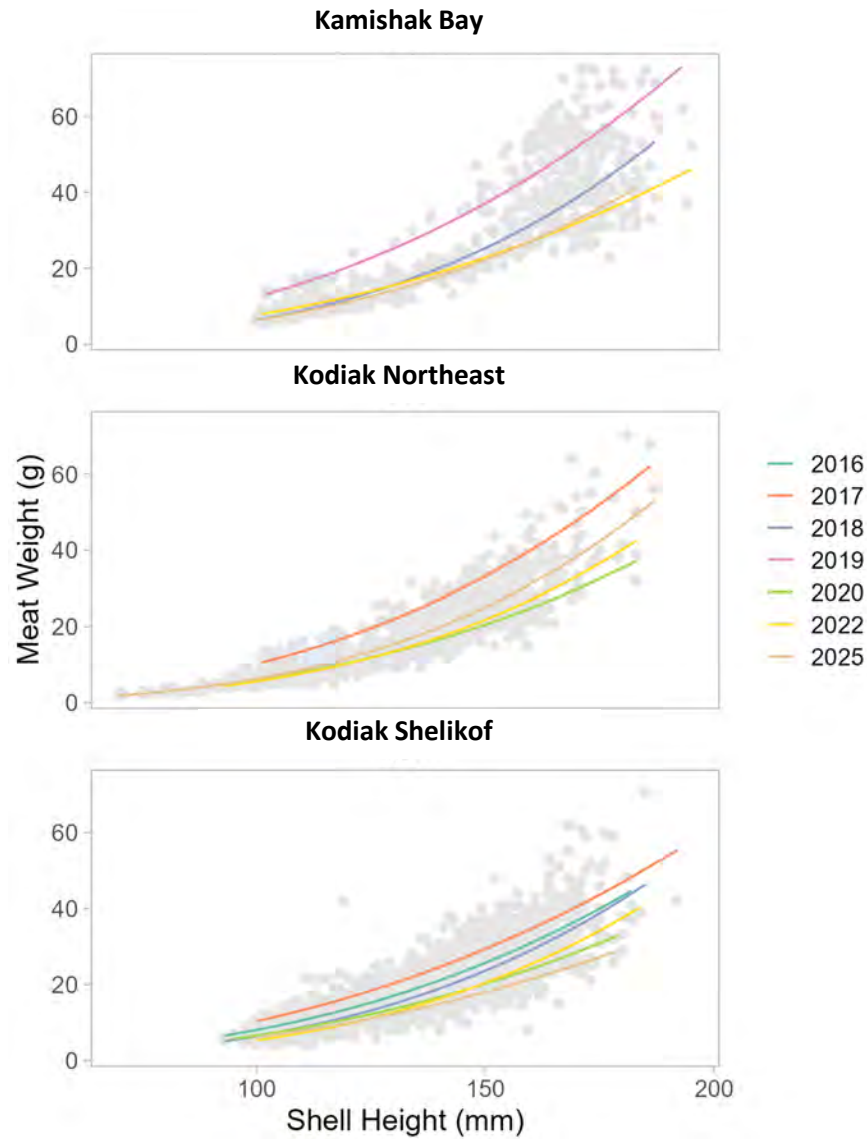
Meat Weight Biomass



Round Weight Biomass



Results – Shell Height / Meat Weight

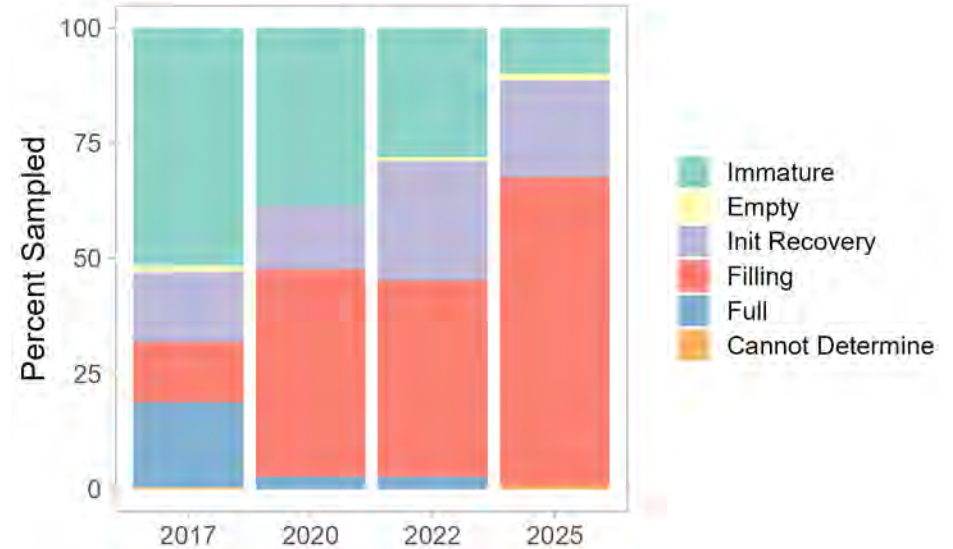


Results – Gonad Condition

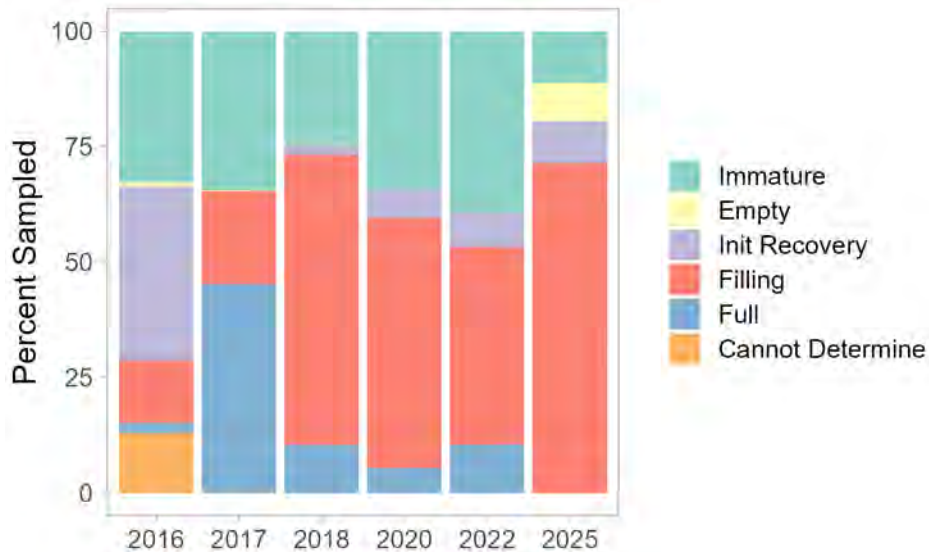
Kamishak Bay

Percent Sampled	30	42	30	10	Immature
	0	4	0	2	Empty
	0	40	5	2	Initial Recovery
	48	13	47	86	Filling
	17	0	19	0	Full
	0	1	0	0	Cannot Determine
	2018	2019	2022	2025	

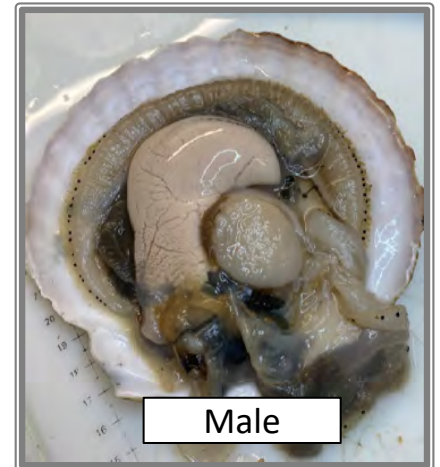
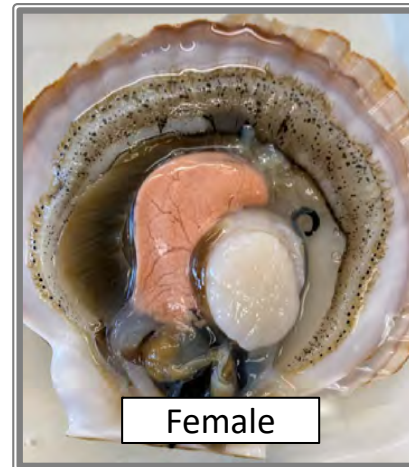
Kodiak Northeast



Kodiak Shelikof



Gonad Condition - Filling



Results – Shell Infections

Shell Borers and Shell Blisters Percentages

Definitions and categorical IDs were updated in 2022 to more closely align with pathology

Old	→	New	Old	→	New
Shell Worms		Shell Borers	Mud Blisters		Shell Blisters
0%		None	0%		None
1-24%		Mild	1-24%		Mild
25-49%		Moderate	25-49%		Moderate
50-74%		Advanced	50-74%		Advanced
75-100%			75-100%		

Size Class	District	Bed	Shell Borers				Shell Blisters			
			None	Mild	Moderate	Advanced	None	Mild	Moderate	Advanced
≥ 100 mm	Cook Inlet	KAMN	38	34	19	9	93	6	1	0
	Kamishak Bay	KAMS	91	9	0	0	100	0	0	0
	Kodiak	KNE2	62	32	6	0	97	3	0	0
	Northeast	KNE3	65	32	3	0	86	13	1	0
		KNE5	78	22	0	0	100	0	0	0
		KNE6	63	29	9	0	97	3	0	0
	Shelikof	KSH1	31	50	20	0	98	1	1	1
< 100 mm	Cook Inlet	KAMN	100	0	0	0	100	0	0	0
	Kamishak Bay	KAMS	100	0	0	0	100	0	0	0
	Kodiak	KNE2	100	0	0	0	100	0	0	0
	Northeast	KNE3	100	0	0	0	100	0	0	0
		KNE5	100	0	0	0	100	0	0	0
		KNE6	98	3	0	0	100	0	0	0
	Shelikof	KSH1	93	6	2	0	100	0	0	0

Early and late-stage shell blistering (conchiolin, mucus)



Shell boring sponge



Results – Meat Condition

Definitions

Good Meat

Good weathervane scallop meats are characterized by the adductor muscle coming free of the viscera cleanly and staying attached to the top shell when shucked (Figure 1).

Weak Meat

Weak weathervane scallop meats are characterized by the adductor muscle not coming free of the viscera cleanly when shucked.

While shucking a scallop, there are two reasons that a meat may be classified as weak:

- The meat tears apart; a portion remains attached to the viscera while the other portion remains attached to the top shell (Figure 2).
- The meat remains whole, attached to the viscera and comes free of the top shell (Figure 3).

These meats may also be discolored (grayish or brownish) and/or have a flaccid, stringy or gelatinous texture that makes them unacceptable for marketing.

Size Class	District	Bed	Meat Condition %	
			Good	Weak
≥ 100 mm	Cook Inlet	KAMN	94	6
	Kamishak Bay	KAMS	100	0
	Kodiak	KNE2	97	3
	Northeast	KNE3	99	1
		KNE5	100	0
		KNE6	100	0
	Shelikof	KSH1	88	12
< 100 mm	Cook Inlet	KAMN	100	0
	Kamishak Bay	KAMS	100	0
	Kodiak	KNE2	100	0
	Northeast	KNE3	100	0
		KNE5	100	0
		KNE6	100	0
	Shelikof	KSH1	100	0

Good Meat
Figure 1



Figure 2



Weak Meat

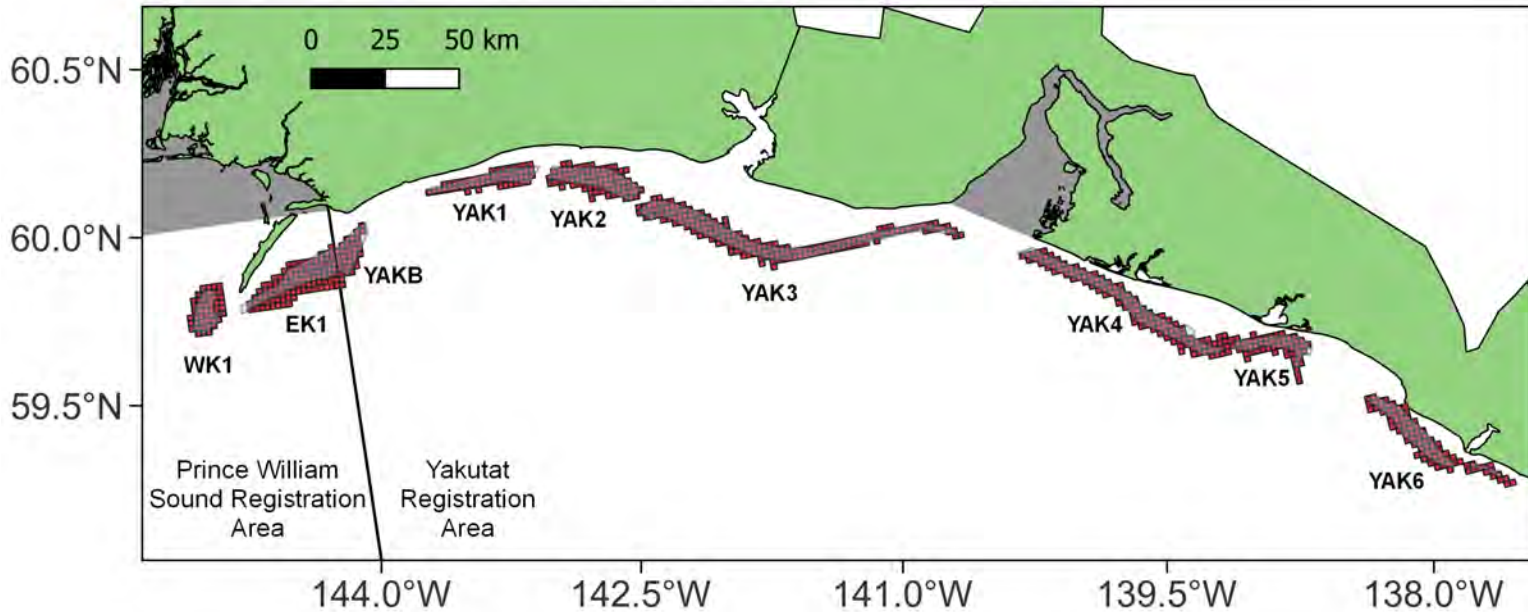
Figure 3



2026 Survey Plan

Kayak Island and Yakutat Areas

April 16^h – May 3rd, 2026



Bed Code	Active Stations	Sampling Rate	# of Stations
WK1	48	0.5	24
EK1	97	0.33	32
YAKB	33	0.33	11
YAK1	53	0.33	17
YAK2	78	0.25	20
YAK3	164	0.25	41
YAK4	123	0.25	31
YAK5	53	0.33	17

- Average ~14 stations per day plus CTD sampling
- Continue transition of data capture using at-sea database server to record data directly from data collection devices



Thanks to the captain and crew of the F/V Provider, and all ADF&G staff that make these surveys successful!