

SCIENCE-DRIVEN FISHERIES DYNAMICS: *WHAT'S IN OUR FUTURE?*

Increasing demand
9.7 Billion by 2050

Increasing uncertainty
Distribution & Production

Increasing conflict
↓ Allocations



PACIFIC RAZOR CLAMS



Recruitment



Predation



Habitat Loss



Razor Clam Decline Still a Mystery to Scientists



Clam ban digs in — Populations on east-side beaches still struggling



Clam Digging Closed Again for 2019 on the Eastside for the 5th continuous year

PACIFIC HALIBUT

NON-INFECTIOUS DISEASES

Mushy Halibut Syndrome

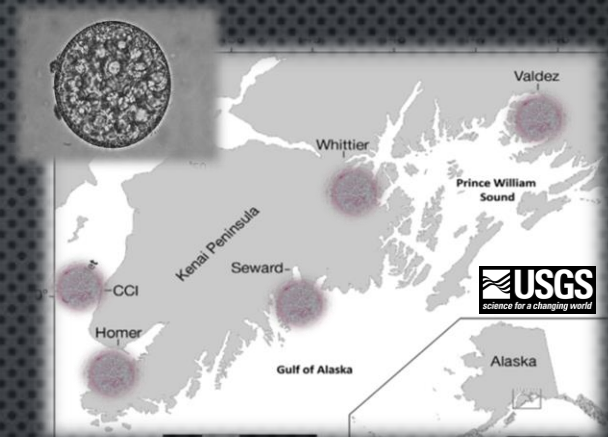
I. Causative Agent and Disease

Smaller halibut by sportfishing and Soldotna. A tion locally kno Typically, this c having large ar is abnormally ti jellylike. The o these fish is usu are released bec inferior meat qu



VI. Prognosis for Host

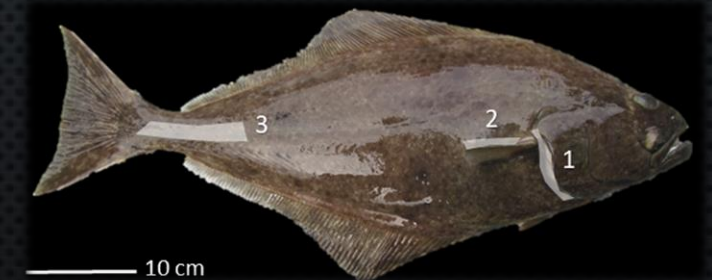
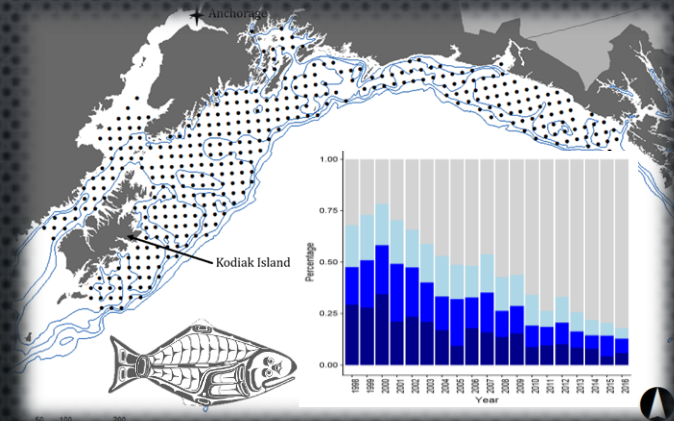
Cook Inlet and Home nursery grounds of young halibut that forage fish that have n numbers. Stomach r halibut now contain species. Whether this either in quantity or its is not known. How- it syndrome is similar or higher animals with nutritional deficiencies in vitamin E and



7 Reasons Why Size Matters for Halibut

"Halibut have been getting smaller for their age since the 1970s.

The reasons for the decrease in size are unknown, but competition for food, climate effects, and fishing effects are possible causes."



ALASKA Journal of Commerce

Halibut commission cuts 2020 harvest levels for US waters

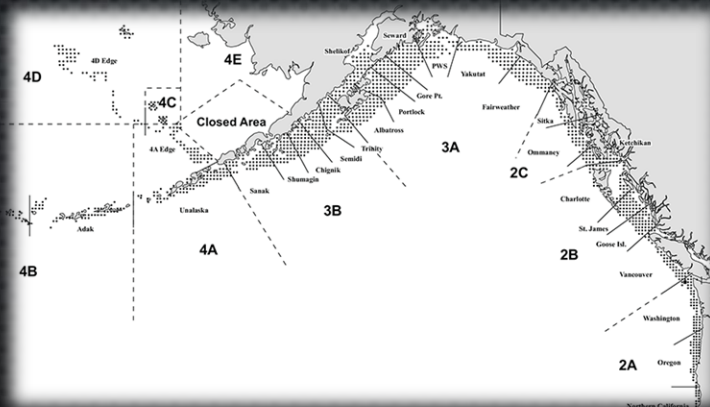
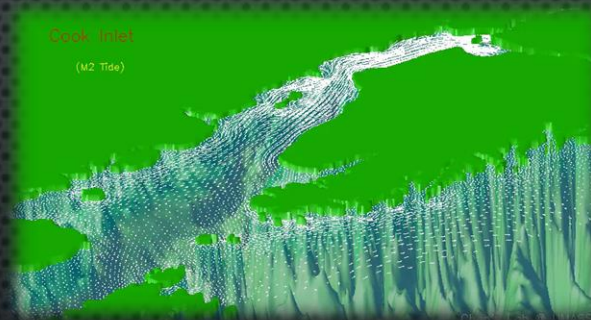
By: Elizabeth Earl

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Status Quo
What do we know?

Monitoring → Mechanisms
What? → Why?

Casting a Wider Net
Community – Based Research





Thank You