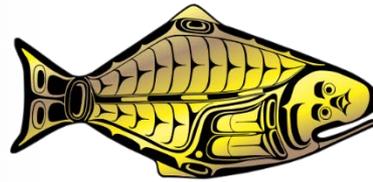


INTERNATIONAL PACIFIC



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# **Fishery Independent Setline Survey (FISS) design and implementation in 2018**

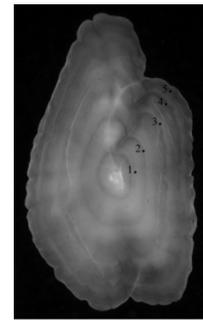
Agenda Item 6.1

IPHC-2018-IM094-06

# Primary objective

Standardized, fishery-independent data for Pacific halibut stock assessment

- WPUE, sex-specific length-at-age, age composition
- Data from undersized Pacific halibut
- Pacific halibut distribution and abundance trends
- Biological sample collection (for sexing, determining maturity, and aging studies)



# Standardization

## Gear

- Fixed gear
- 1,800 foot skates

## Each skate

- 100 #3 (16/0) circle hooks threaded through the front of the hook on 24"-48" gangions
- 18' spacing
- 7-10 lb weights between skates

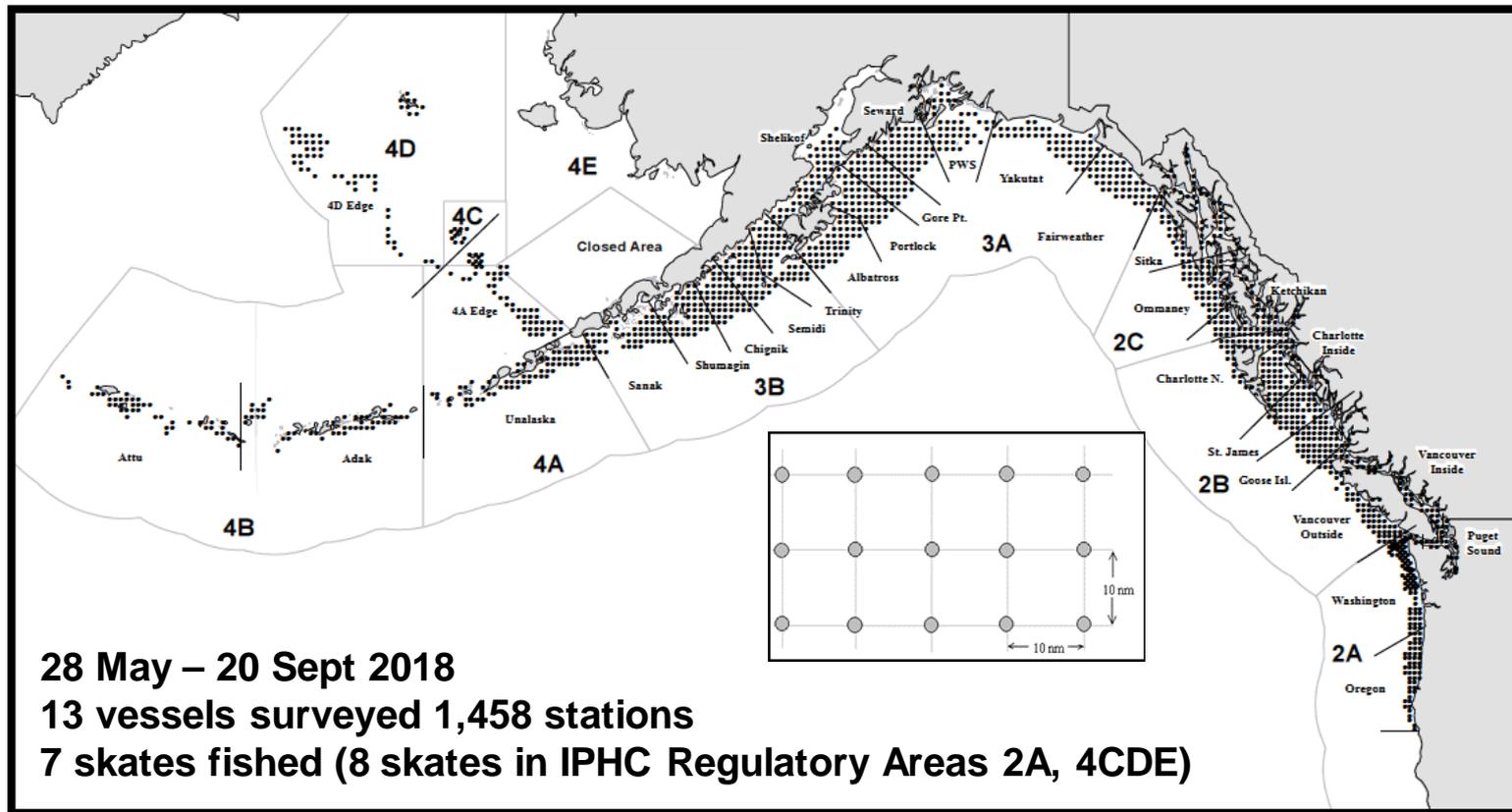


## Bait

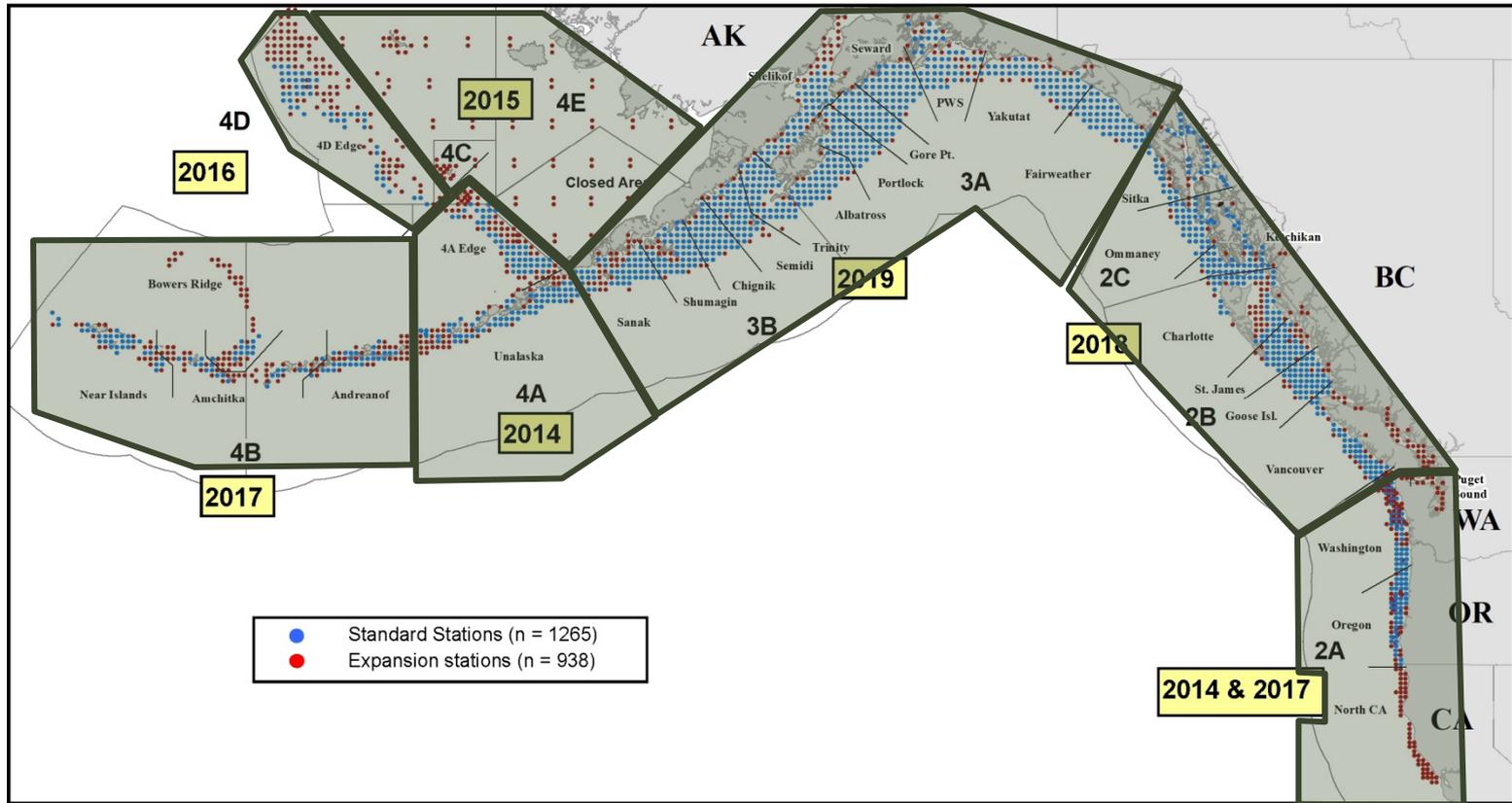
- Frozen chum salmon
- Number 2 semi bright or better
- Cut 1/4 to 1/3 pound
- New in 2018 - Captain sign off on bait quality



# 2018 Fishery-Independent Setline Survey



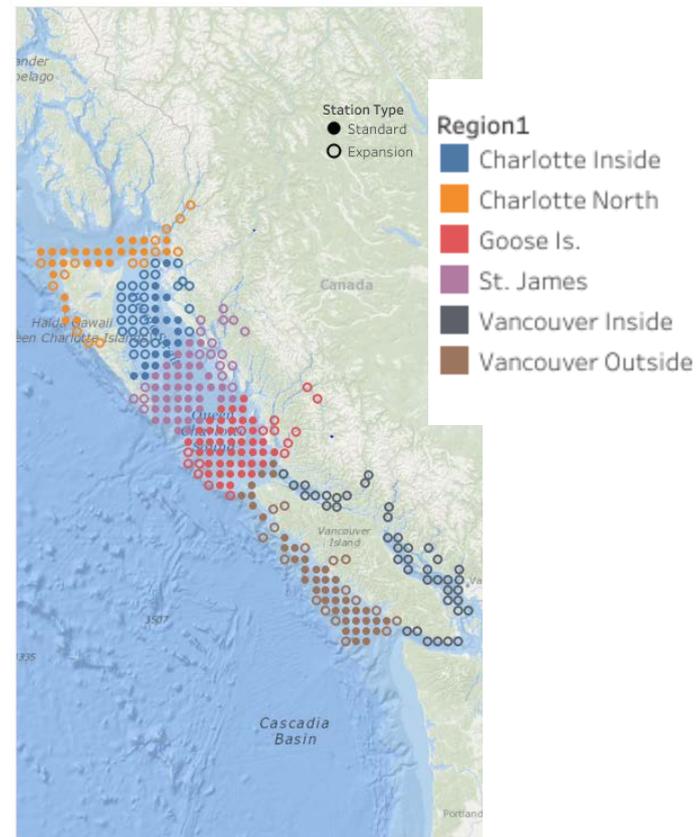
# IPHC Fishery-Independent Setline Survey stations 2014-19



# 2018: IPHC Regulatory Area 2B Charter regions and count by station type

Charter Region	Total Stations	Expansion	Standard
Charlotte Inside	48	30	18
Charlotte North	40	15	25
Goose Islands	58	15	43
St. James	57	18	39
Vancouver Inside	41	41	0
Vancouver Outside	58	17	41
Total	302 <sup>1</sup>	136	166

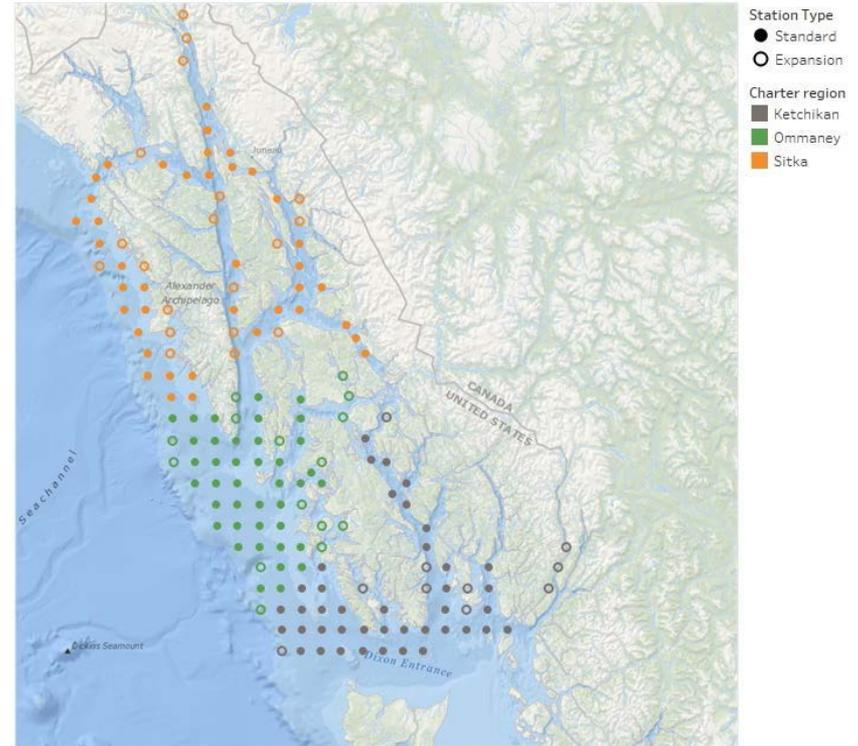
<sup>1</sup> six stations were not permitted because of habitat closures.



# 2018 Area 2C charter regions and count by station type

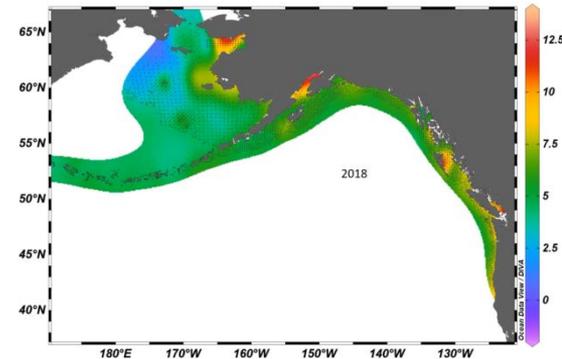
Charter Region	Total station count	Expansion	Standard
Ketchikan	51	10	41
Ommaney	55	15	40
Sitka	59	19	40
Total	165 <sup>1</sup>	44	121

<sup>1</sup> three stations in Glacier Bay were not fished because of permitting



# Secondary objectives

- Platform for data collection projects
  - Genetics, condition factor
  - Oceanographic data
  - Prior hooking injuries
  - Marine mammal, Seabird interactions
  - Environmental Contamination (ADEC)



# Tertiary objectives

## Collaboration

- NMFS
  - Pacific cod sampling
  - Electronic monitoring system tests
  - Shark sampling (Spiny dogfish, Six gill, Sleeper shark)
  - IPHC field staff on NMFS trawl surveys
- DFO
  - Rockfish and lingcod biological samples
  - 100% hook occupancy are collected
  - Shark sampling
- CDFW, ODFW, WDFW
  - Rockfish sampling cooperation



# Thanks to our sea samplers!





**Bold Pursuit**



**Clyde**



**Free to Wander**



**Kema Sue**



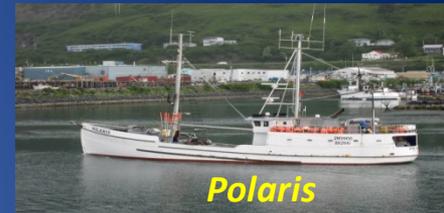
**Norcoaster**



**Pacific Surveyor**



**Pender Isle**



**Polaris**



**PREDATOR**



**Saint Nicholas**



**Seymour**



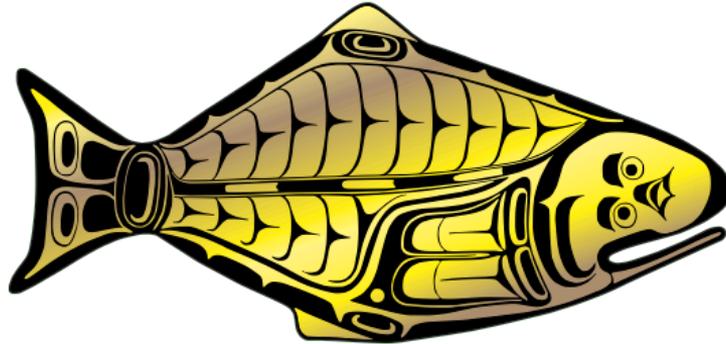
**Vansee**



**Vanisle**

**2018 IPHC Fishery-Independent Setline Survey (FISS) Vessels**

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