

Southeast Alaska Coastal Monitoring Survey Plan for 2018

by

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This survey plan details the proposed sampling for the Southeast Coastal Monitoring (SECM) project during 2018. The primary objective of SECM research is to evaluate the status of the pelagic ecosystem including juvenile salmon (*Oncorhynchus* spp.) and other pelagic fish species in the northern region of Southeast Alaska. SECM surveys are conducted in support of Gulf of Alaska ecosystem assessments, research on the marine ecology of salmon and other pelagic fish resources in SEAK, and harvest forecast models for pink salmon (*O. gorbuscha*). SECM surveys will occur during monthly intervals from May to August, 2018 (Tables 1 and 2) within Southeast Alaska. Sampling will include surface trawl (Nordic 264) sampling for epi-pelagic fish, bongo net sampling for zooplankton, and CTD sampling for oceanographic data (Figure 1). Funding support for the 2018 survey is provided by the Northern Fund of the Pacific Salmon Commission and will be staffed by scientists from the Alaska Fisheries Science Center and the Alaska Department of Fish and Game.

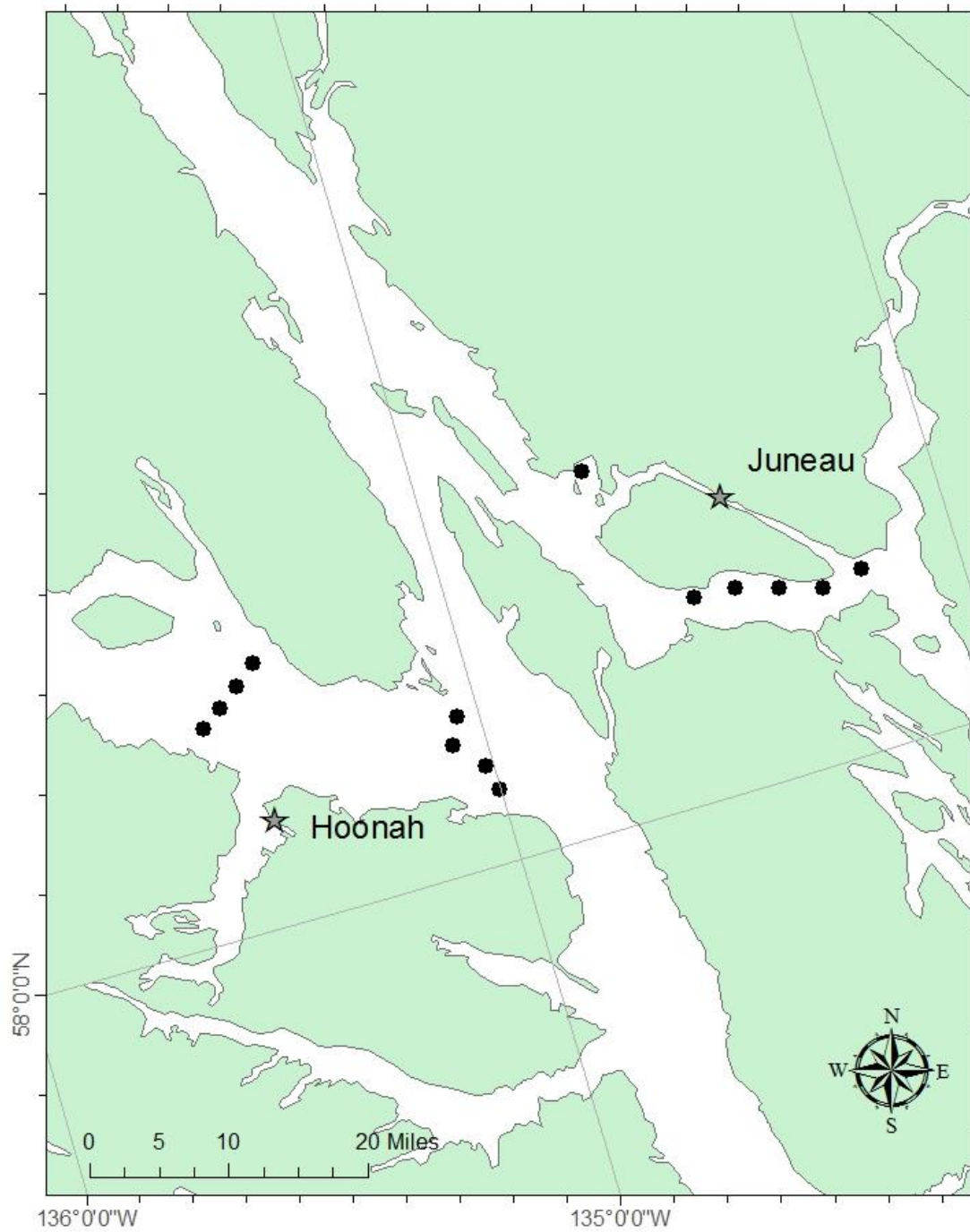


Figure 1. Stations scheduled for monthly sampling by the Southeast Alaska Coastal Monitoring (SECM) project in marine waters of the northern region of Southeast Alaska in May, June, July, and August of 2018.

Table 1. Localities and coordinates of stations scheduled for monthly sampling by the Southeast Alaska Coastal Monitoring (SECM) project in marine waters of the northern region of Southeast Alaska in May, June, July, and August of 2018.

Locality	Station	Latitude	Longitude
Auke Bay Monitor	ABM	58°22.00'N	134°40.00'W
Upper Chatham Strait	UCA	58°04.57'N	135°00.08'W
Upper Chatham Strait	UCB	58°06.22'N	135°00.91'W
Upper Chatham Strait	UCC	58°07.95'N	135°04.00'W
Upper Chatham Strait	UCD	58°09.64'N	135°02.52'W
Icy Strait	ISA	58°13.25'N	135°31.76'W
Icy Strait	ISB	58°14.22'N	135°29.26'W
Icy Strait	ISC	58°15.28'N	135°26.65'W
Icy Strait	ISD	58°16.38'N	135°23.98'W
Inshore	TKI	58°11.19'N	134°11.71'W
Inshore	SPA	58°10.76'N	134°16.70'W
Inshore	SPB	58°11.55'N	134°21.60'W
Inshore	SPC	58°12.37'N	134°26.52'W
Inshore	SPD	58°12.52'N	134°31.62'W

Table 2. Scheduled surveys for the Southeast Alaska Coastal Monitoring (SECM) project in marine waters of the northern region of Southeast Alaska in May, June, July, and August of 2018.

Vessel, survey #	Dates (days)	Sampling Type	Sampling conducted
<i>R/V Sashin</i> SA18-01	30-31 May (2 days)	Oceanography	Oceanographic stations (n=9) in Icy/Chatham Straits and Auke Bay.
<i>R/V Medeia</i> ME18-01	18-26 June (9 days)	Oceanography Surface trawl	Gear trials (2 days), Oceanographic and surface trawl stations in Icy/Chatham Straits, Stephens Passage, and Taku Inlet (n=13), and an oceanographic station (n=1) in Auke Bay.
<i>R/V Medeia</i> ME18-02	26 July– 01 August (7 days)	Oceanography Surface Trawl	Oceanographic and surface trawl stations in Icy/Chatham Straits, Stephens Passage, and Taku Inlet (n=13), and oceanographic station (n=1) in Auke Bay.
<i>R/V Medeia</i> ME18-03	20-26 August (7 days)	Oceanography Surface Trawl	Oceanographic and surface trawl stations in Icy/Chatham Straits, Stephens Passage, and Taku Inlet (n=13), and an oceanographic station (n=1) in Auke Bay.

Table 3. Scientific staffing for the Southeast Alaska Coastal Monitoring (SECM) project in marine waters of the northern region of Southeast Alaska in May, June, July, and August of 2018.

Vessel survey	Dates (days)	Scientific Personnel (affiliation)
<i>R/V Sashin</i> SA18-01	30-31 May (2 days)	Emily Fergusson ¹ (AFSC) Corey Fugate (AFSC)
<i>R/V Medeia</i> ME18-01	18-26 June (9 days)	Jim Murphy ¹ (AFSC) Emily Fergusson (AFSC) Andy Piston (ADFG) Kayla Drumm (NOAA Pathways Intern) TBD (AFSC)
<i>R/V Medeia</i> ME18-03	20-26 August (7 days)	Jim Murphy ¹ (AFSC) Steve Heidl (ADFG) Kalya Drumm (NOAA Pathways Intern) Morag Clinton (Student Intern) TBD (AFSC)
<i>R/V Medeia</i> ME18-02	26 July-01 August (7 days)	Jim Murphy ¹ (AFSC) Rich Brenner (ADFG) Morag Clinton (Student Intern) TBD (AFSC) TBD (AFSC)

¹ Field Part Chief