

Southeast Alaska Coastal Monitoring Survey Plan, 2020

by

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This document outlines the survey plan for the Southeast Coastal Monitoring (SECM) survey during 2020. SECM surveys support harvest forecast models for SEAK pink salmon (*O. gorbuscha*), and research on the marine ecology of salmon and the pelagic ecosystem in the northern region of Southeast Alaska. SECM surveys will occur during monthly intervals from May to August, 2020 at 12 principal stations, and include surface trawl (Nordic 264) sampling for salmon and other pelagic fish species, bongo net sampling for zooplankton, and CTD data collection of temperature and salinity data (Figure 1; Tables 1 and 2). Principal funding support for the 2020 survey is provided by the Pink Salmon Disaster Relief Fund and the Northern Fund of the Pacific Salmon Commission. Support for the participation of scientific staff from the Alaska Fisheries Science Center (AFSC), Alaska Department of Fish and Game (ADFG), and the Southern Southeast Regional Aquaculture Association (SSRAA) is provided by respective agencies (Table 3).

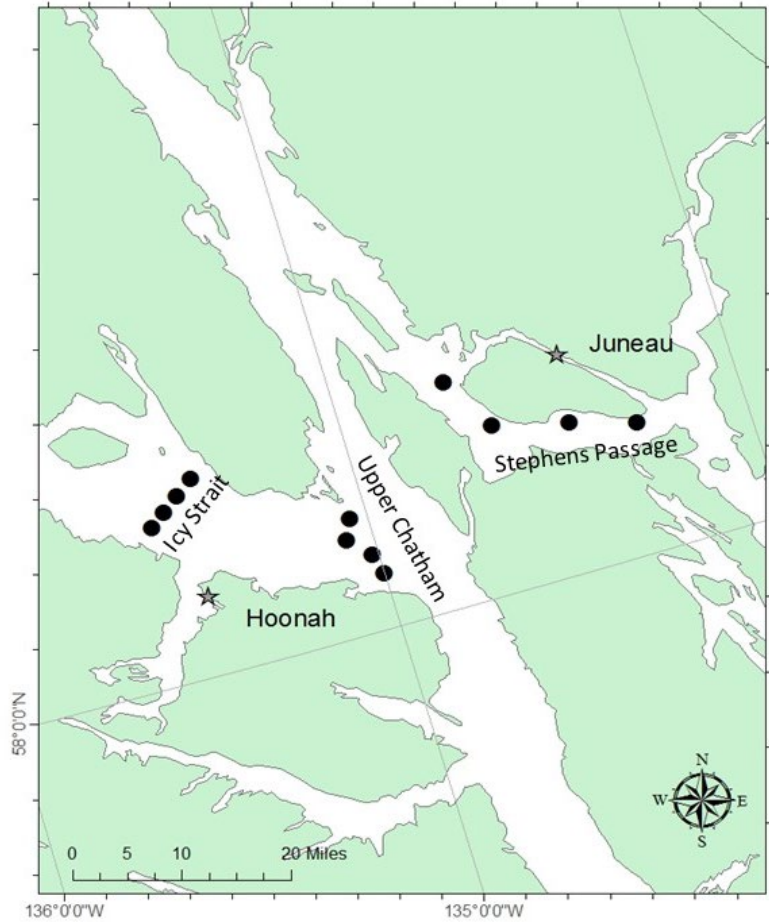


Figure 1. Icy Strait, Upper Chatham, and Stephens Passage stations planned for the Southeast Alaska Coastal Monitoring (SECM) survey aboard the *R/V Medeia* during June, July, and August of 2020. Oceanographic data collections aboard the *R/V Sashin* at the Icy Strait and Upper Chatham stations are planned for May, 2020.

Table 1. Coordinates of transect and stations sampled during the Southeast Alaska Coastal Monitoring (SECM) survey in marine waters of the northern region of Southeast Alaska during May, June, July, and August of 2020.

Transect	Station	Latitude	Longitude
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
Stephens Passage	SPA	58°10.76'N	134°16.70'W
Stephens Passage	SPB	58°12.37'N	134°26.52'W
Stephens Passage	SPC	58°13.91'N	134°37.85'W
Stephens Passage	SPD	58°18.38'N	134°42.97'W

Table 2. Scheduled surveys for the Southeast Alaska Coastal Monitoring (SECM) survey in marine waters of the northern region of Southeast Alaska in May, June, July, and August of 2020.

Vessel, survey #	Dates (days)	Sampling Type	Sampling conducted
<i>R/V Sashin</i> SA20-01	28 May (1 days)	Oceanography	Oceanographic stations (n=8) in Icy/Chatham Strait.
<i>R/V Medeia</i> ME20-01	18-23 June (6 days)	Oceanography Surface trawl	Oceanographic and surface trawl stations in Icy/Chatham Straits, and Stephens Passage (n=12 stations with replicate surface trawl sets).
<i>R/V Medeia</i> ME20-02	26-31 July (6 days)	Oceanography Surface Trawl	Oceanographic and surface trawl stations in Icy/Chatham Straits, and Stephens Passage (n=12 stations with replicate surface trawl sets).
<i>R/V Medeia</i> ME20-03	20-25 August (6 days)	Oceanography Surface Trawl	Oceanographic and surface trawl stations in Icy/Chatham Straits, and Stephens Passage (n=12 stations with replicate surface trawl sets).

Table 3. Scientific staff of the Southeast Alaska Coastal Monitoring (SECM) survey in marine waters of the northern region of Southeast Alaska in May, June, July, and August of 2020.

Vessel survey	Dates (days)	Scientific Personnel (affiliation)
<i>R/V Sashin</i> SA20-01	29 May (1 days)	Emily Fergusson ¹ (AFSC) Todd Miller (AFSC)
<i>R/V Medeia</i> ME20-01	18-23 June (6 days)	Jim Murphy ¹ (AFSC) Jamal Moss (AFSC) Andrew Diamond (AFSC)
<i>R/V Medeia</i> ME20-02	26-31 July (6 days)	Jim Murphy ¹ (AFSC) Wes Strasburger (AFSC) Andy Gray (AFSC)
<i>R/V Medeia</i> ME20-03	20-25 August (6 days)	Emily Fergusson ¹ (AFSC) Rob Suryan (AFSC) TBD

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