

# 2012 Arctic Ecosystem Integrated Survey

Daily Update for: **August 20, 2012**

This form provides daily updates for two survey vessels conducting fisheries surveys in waters off Alaska during August and September 2012: *The F/V Alaska Knight* is conducting a bottom trawl survey in the Chukchi Sea and the F/V Bristol Explorer is conducting a surface trawl / acoustic survey, as well as plankton and oceanographic surveys, in the Chukchi Sea and northern Bering Sea. The attached maps show planned sampling locations, stations completed to date, and stations planned for today. The survey schedules for the vessels are:

## Bottom Trawl Survey (F/V Alaska Knight):

Aug 9	Depart Dutch Harbor	Aug 31/Sep1	Nome, crew change
Aug 12/13	Nome, pick up scientists	Sep 2-18	Southern Chukchi Sea
Aug 14-30	Northern Chukchi Sea	Sep 24	Return to Dutch Harbor

## Surface Trawl Survey (F/V Bristol Explorer):

Aug 3	Depart Dutch Harbor	Sep 11/12	Nome, crew change
Aug 6-23	Southern Chukchi Sea	Sep 13-25	Northern Bering Sea
Aug 24/25	Nome, crew change	Sep 28	Return to Dutch Harbor, offload
Aug 26-Sep10	Northern Chukchi Sea		

## Notes from the field:

**Arctic EIS updates: F/V Bristol Explorer:** Correction: Aug 18 capelin – 1190: Completed all planned stations for the day and an additional oceanography station and three midwater trawls. All catches today contained Arctic cod (age0) amongst other fishes. We have spent nearly the entire day running along the 70.50 N transect over a continuous layer that is predominantly Arctic cod (age0). Summary of today's catches (Aug 19): shorthorn sculpin – 6, Arctic cod (age0) – 4,458, sand lance – 22, slender eelbenny – 170, capelin – 612, Arctic steghorn sculpin – 50, Bering wolffish – 4, gelatinous snailfish – 1, sculpin unident – 1, jellyfish (combined) – 533, herring – 3, capelin – 326, Arctic shanny – 3, Arctic cod – 4, Arctic alligatofish – 1, saffron cod (age0) – 1.

**F/V Alaska Knight:** Successfully completed a bottom/beam trawl comparison tow at stations D-01 and E-01 on Sunday. Monday will do same at stations E-02 and E-03. Catch compositions were very similar to previous days.

**Other surveys: Arctic Coastal Ecosystem Survey (ACES):** Today we fished three locations to the northwest of Barrow. Among the species we caught were 4848 capelin, 2817 sand lance, and 38 gadids, all of which were juveniles. In addition we observed juvenile salmon, greenling, and tube snout poachers. The latter two appear to be range extensions.

**R/V Aquila (NOAA Chaoz Survey):** Here are all the subsurface moorings we've deployed north of Nome so far

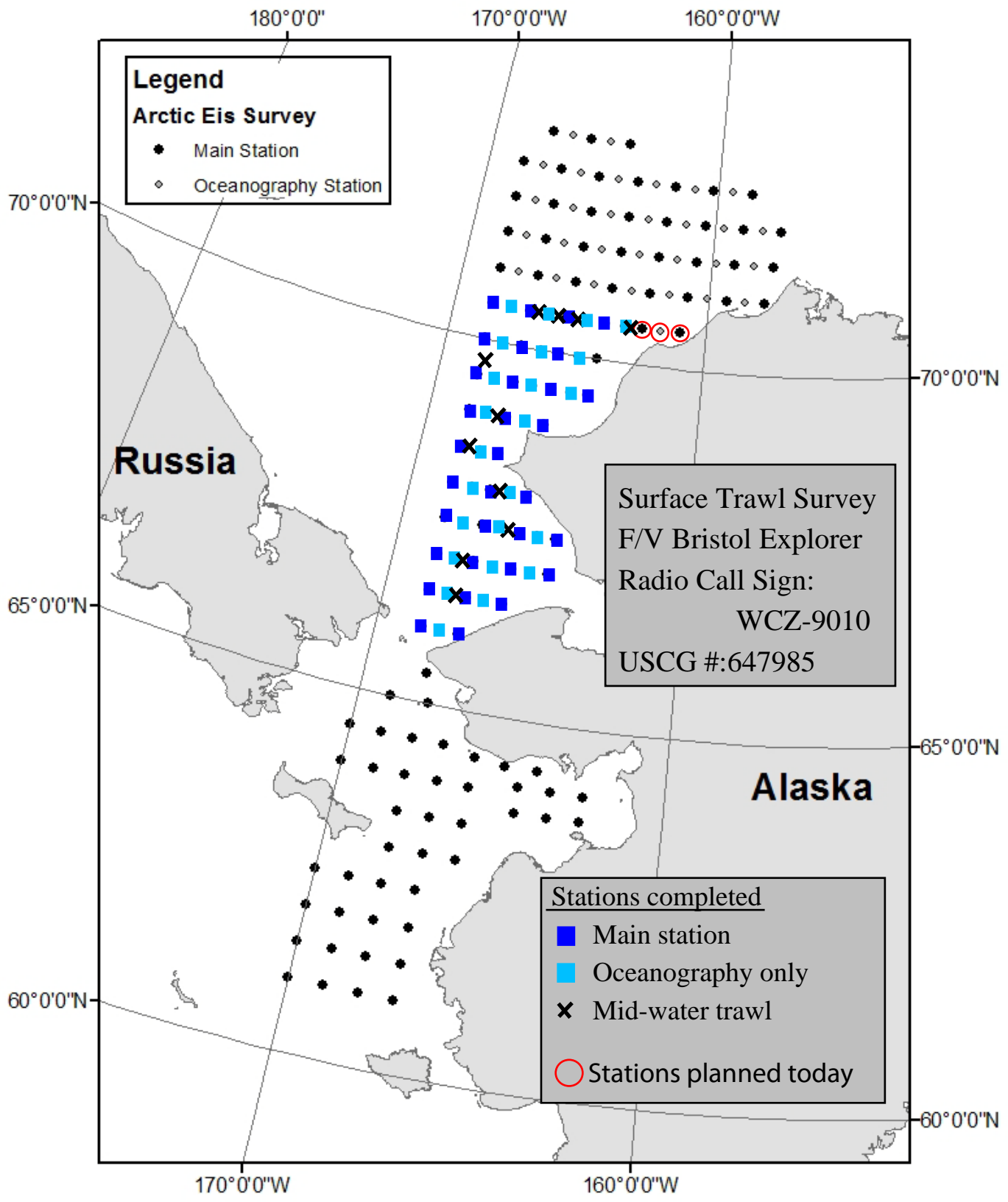
Water	Top Float	Type/Name	Position	Depth	Organization	Mooring Type
AW12_AU_NM1	64° 50.841'N,		168° 23.386'W	138 feet	NOAA/NMML	Passive Acoustic
AW12_AU_KZ1	67° 07.488'N,		168° 36.111'W	141 feet	NOAA/NMML	Passive Acoustic
AW12_AU_PH1	67° 54.537'N,		168° 11.677'W	190 feet	NOAA/NMML	Passive Acoustic

**Westward Wind** Deployed 2 surface buoys in Klondike area: Surface metocean buoy: 70.872383, -165.249016  
Surface buoy for real-time ADCP: 70.99756, -165.00056

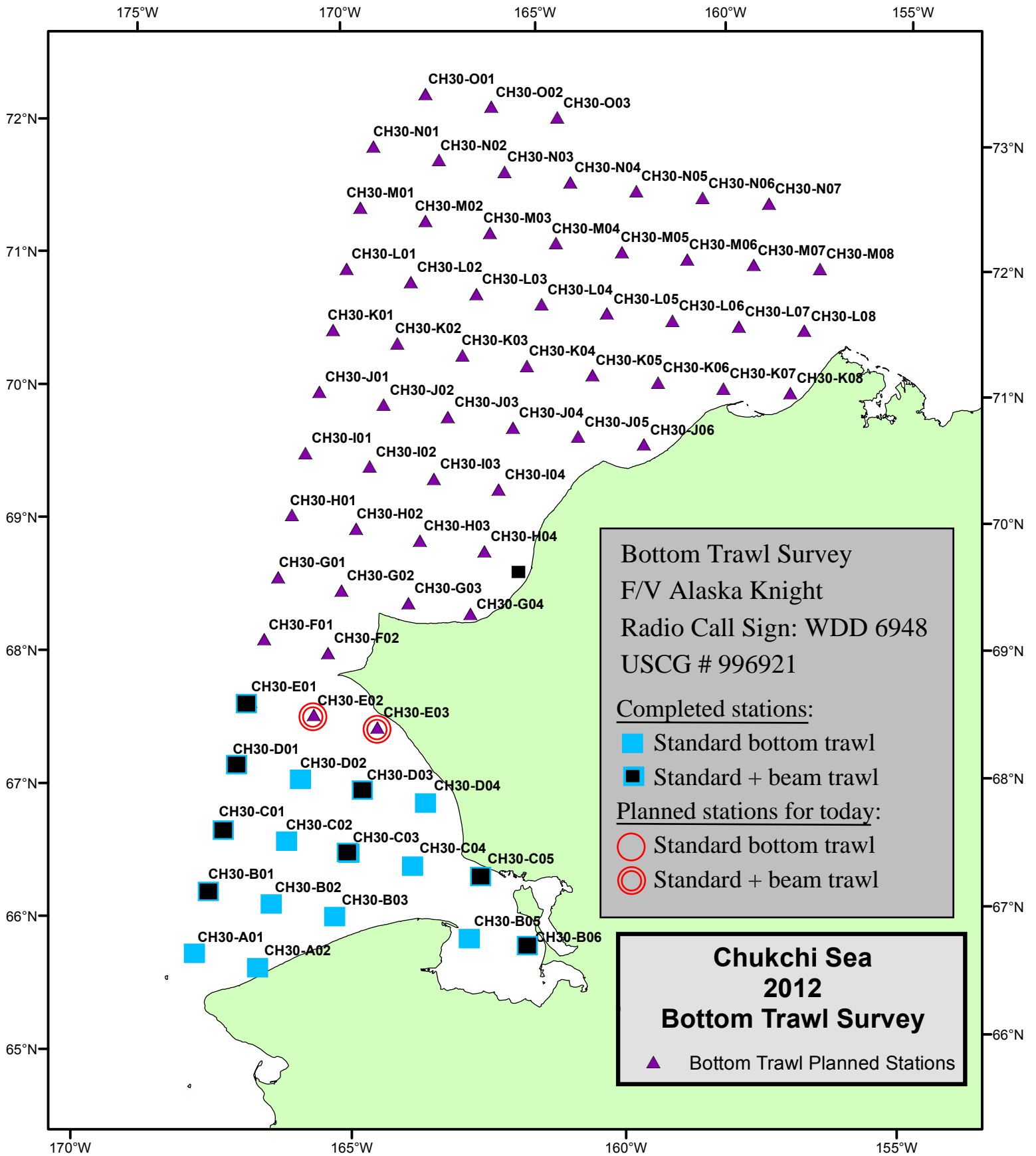
**IMPORTANT NOTE:** If you do NOT wish to receive these daily updates, or if you are receiving both an e-mail and a fax and wish to opt out of one communication, please send us an e-mail at [arctic.eis@alaska.edu](mailto:arctic.eis@alaska.edu) with your preference. If you know of anyone else who might want to receive these notifications, please send us their contact information (fax and/or e-mail).

For general information or comments about the survey, please e-mail [fmuetter@alaska.edu](mailto:fmuetter@alaska.edu)

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# Arctic Coastal Ecosystem Survey (ACES)

of the nearshore and lagoon habitats of the Chukchi and Beaufort Seas

## Itinerary

Wed Aug 15	arrive in Barrow at 7:40 pm
Thurs Aug 16	Meet with Leandra de Sousa and North Slope staff to review sampling protocols, stage for field sampling and seminar presentation by Dr. Ron Heintz describing the project and relevance.
Fri Aug 17	Initiate beach seining and sample processing
Saturday and Sunday (Aug 18-19)	are reserved weather days
Mon Aug 20	Continue beach seining and sample processing
Tue Aug 21	Complete any remaining sampling and review with NSB to report on initial results and share data. Depart Barrow at 8:20 pm.

*Map showing Arctic monitoring sites sampled by beach seine during the summers of 2004-2009.*

