

# 2012 Arctic Ecosystem Integrated Survey

Daily Update for: **August 30, 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:** The sea surface grew colder (6.3 to 5.6 C) and less saline (31.6 to 30.4 psu) as we moved west along latitude 71.00 N today. We have finished our stations for the evening and are heading north to start working our way east along latitude 71.50 in the morning if the weather allows. The forecast for the next 2 days is calling for 30 kt winds. Email is getting harder to send. We may be near the end of our service area. Hope to provide an update tomorrow. Summary of today's catches (Aug 29): Capelin – 564, Capelin (age0) – 102, Saffron cod (age0) – 6, Sandlance (age0) – 103, Daubed shanny – 4, Spatulate sculpin – 7, Jellyfish (combined) – 60, Arctic cod (age0) – 896, Arctic alligatorfish – 3, Slender eelblenny – 2, Arctic shanny – 2, Un ID snailfish – 1, Un Id cottidae – 1.

Very little bird activity and no marine mammals today.

**F/V Alaska Knight:** Heading to Nome for crew change

### Other surveys: Greeneridge Sciences for Shell

We have deployed 6 of 7 planned surface moored buoys. These buoys are moored to the seafloor with train wheel anchors and chains and are at the surface.

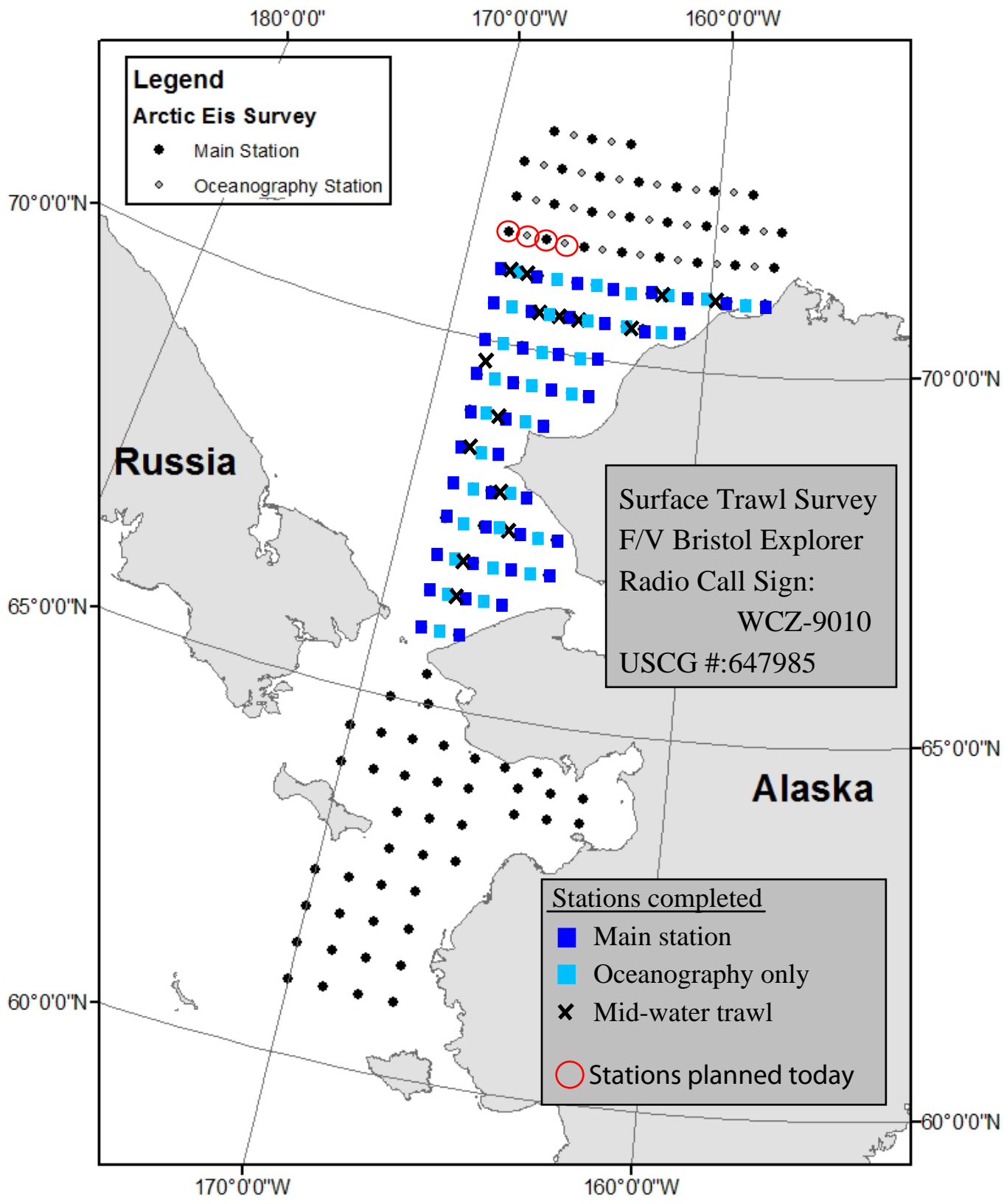
- 1) MOB101 – Deployed on 8/19/2012 at 22:25 ADT. Location: 70° 52' 21" N, 165° 14' 56" W. Located in "Klondike" area in Chukchi – deployed for ConocoPhillips/Statoil/Shell.
- 2) MOB102 – Deployed on 8/23/2012 at 08:33 ADT. Location: 70° 30' 18" N, 164° 05' 03" W. Located in north "Burger" area in Chukchi – deployed for ConocoPhillips/Statoil/Shell.
- 3) CB01 – Deployed on 8/20/2012 at 01:00 ADT. Location: 70° 22' 12" N, 146° 02' 24" W. Located in Camden Bay in Beaufort – deployed for Shell.
- 4) HB02 – Deployed on 8/21/2012 at 18:15 ADT. Location: 70° 52' 28" N, 150° 16' 47" W. Located in Harrison Bay in Beaufort – deployed for Shell.
- 5) UAF – Deployed on 8/9/2012 at 17:10 ADT. Location: 70° 01' 30" N, 166° 04' 18" W. Located in southwestern portion of Chukchi – deployed for BOEM/UAF.

Data from these 5 buoys are available on: <http://rt.ehihouston.com/>.

- 6) A real-time ADCP is also being tested by ConocoPhillips in the Klondike area. This moored surface buoy is also moored the seafloor with a chain and train wheel, but is smaller than the others. This is the one NOAA took a picture of. Location at: N70° 59' 51" W164° 59' 59" We have one more surface metocean buoy planned in the Hanna Shoal region, but have been unable to reach due to ice.

Data currently being collected as part of a satellite-tracked drifter study in the Northeast Chukchi Sea (T. Weingartner, S. Danielson, L. DeSousa) can be accessed via a Google Maps interface (<http://dm.sfos.uaf.edu/chukchi-beaufort/data/drifters/>) or as static maps and animations (both updated daily) at: <http://mather.sfos.uaf.edu/drifters/Chukchi2012/>

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