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12 May 2007

AWS-07 Cruise leg: HLY07-01

Embarkation: Dutch Harbor 10 April 2007

Disembarkation: Dutch Harbor 12 May 2007

HLY07-01 Summary

The purpose of this cruise was collect data to model the effects of warming on the Bering Sea ecosystem through the analysis of multiple different aspects. Chemistry, and hydrography as well as analysis of both micro and macro organism populations were used during the course of the cruise. Specific attention was given to the formation of algal blooms forming as the ice edge retreated during the beginning of Spring and how the maximum extent of the ice during a specific year shapes the ecosystem during that year and the years to come through feedback effects. This work is designed to be only the beginning of a multi year analysis of the Bering Sea ecosystem.

The files found in the Meta_Data directory on volume 1 of the underway DVD's encompasses the work completed, problems experienced, and solutions found for the ship's science systems. It also contains contact information for involved personnel.

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Marine Science Officer, USCGC HEALY