

NPAFC

Doc. 1234

Rev. _____

Rev. Date: _____

**United States Cruise Plan for BASIS on the R/V *OSCAR DYSON*,
August – September 2010**

AUKE BAY LABORATORIES
Ted Stevens Marine Research Institute
Alaska Fisheries Science Center
National Marine Fisheries Service
National Oceanic and Atmospheric Administration
17109 Pt. Lena Loop Road
Juneau, AK 99801-8626, U.S.A
Phone: (907) 789-6005

Submitted to the
NORTH PACIFIC ANADROMOUS FISH COMMISSION
by the

UNITED STATES OF AMERICA

March 2010

THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:

Anonymous. 2010. United States Cruise Plan for BASIS on the R/V *OSCAR DYSON*, August - September, 2010. NPAFC Doc. 1234. 2 pp. Auke Bay Laboratories, Ted Stevens Marine Research Institute, NMFS, NOAA, 17109 Pt. Lena Loop Road, Juneau, AK 99801-8626, U.S.A. (Available at <http://www.npafc.org>).

Introduction

Scientists from the National Marine Fisheries Service (NMFS), Marine Ecosystem and Stock Assessment (MESA) Program, BASIS group will conduct a survey during Fall 2010 within the southeastern Bering Sea to provide key ecological data on the pelagic ecosystem. Primary objectives of the survey will be to: 1) collect biological information on ecologically important fish species and to 2) describe the physical and biological oceanographic conditions of the southeastern Bering Sea waters.

Survey

A survey of epi-pelagic fish species, zooplankton, ichthyoplankton, and oceanographic measurements will be conducted at stations within the eastern Bering Sea aboard the NOAA Ship Oscar Dyson. The survey will begin 16 August 2010 in Dutch Harbor, Alaska and end on 26 September 2010 in Dutch Harbor, Alaska, for a total of 40 sea days (Fig. 1; Table 1).

The cruise will be conducted aboard the NOAA ship *Oscar Dyson*. Fish samples will be collected using a midwater rope trawl. At each station, the net will be towed at or near the surface for 30 minutes at speeds between 3.5 and 5 kts.

All fish species will be counted and standard biological measurements including length and weight will be taken from subsamples of each species. Diets of subsamples of marine fish will be examined onboard.

Biological and physical oceanographic data will be collected at each trawl station as well as opportunistically during the survey.

Table 1. Tentative cruise itinerary for BASIS research cruise – R/V *Oscar Dyson*, August 16 to September 26, 2010.

Date	Location/Activity
LEG 1	
Aug 16	Embark scientific party/Load Gear
Aug 17	Depart Dutch Harbor 3:00pm; transit to 55.00N, 165W
Aug 18-Sep 2	Complete Station grid working north and south, along transects between 160W to 166W (Fig. 1)
Sep 3-7	Inport Dutch Harbor 9:00am, crew change
LEG 2	
Sep 7	Depart Dutch Harbo 3:00pm, transit to 54.30N, 167W
Sep 8-25	Complete Station grid working north and south, along transects 167W to 172W (Fig. 1)
Sep 26	Inport Dutch Harbor 9:00am

Fig. 1. Proposed survey stations for the BASIS research cruise along the eastern Bering Sea, August 16 to September 26, 2010 on board the R/V *Oscar Dyson*.

