

# FINAL CRUISE INSTRUCTIONS

## *FOCI*

F/V Big Valley Cruise BV-04-02  
June 25 – July 9  
Chief Scientist – William Floering, NOAA/PMEL/FOCI

### 1.0 FINAL CRUISE INSTRUCTIONS

1.1 **Cruise Title** - Fisheries-Oceanography Coordinated Investigations (FOCI).

1.2 **Cruise Numbers:**

1.2.1 **Cruise Number** – BV-04-02

1.2.2 **FOCI Number** – 2BV04

1.3 **Cruise Dates:** 25 June – 9 July, 2004

1.3.1 **Departure** – 1800 June 25, Kodiak, AK.

1.3.2 **Arrival** – 0900 July 9, Kodiak, AK.

1.4 **Operating Area** – Gulf of Alaska south of Seward AK.

### 2.0 CRUISE OVERVIEW

2.1 **Cruise Objectives** – To recover lost and/or damaged moorings on the Globec line south of Seward using a ROV. To deploy 3 near-surface temperature sensing moorings on the Globec mooring line.

2.2 **Participating Organizations**

NOAA - Pacific Marine Environmental Laboratory (PMEL)  
7600 Sand Point Way N.E., Seattle, Washington 98115-6439

2.3 **Personnel**

2.3.1 **Chief Scientist**

William Floering                      M              NOAA/PMEL/OERD-2  
206-526-6480  
William.floering@noaa.gov

## 2.4 Administration

### 2.4.1 Ship Operations

Gary Edward (Owner of the F/V Big Valley)  
907-486-3603 Home phone  
866-215-8354 Ship phone

### 2.4.2 Scientific Operations

Dr. Phyllis J. Stabeno, PMEL  
Telephone: (206) 526-6453  
E-mail: [Phyllis.Stabeno@noaa.gov](mailto:Phyllis.Stabeno@noaa.gov)

## 3.0 OPERATIONS

- 3.1 Data To Be Collected** – The ROV will be deployed to locate and recover lost and/or damaged moorings on the Globec/ Seward line. The data from the recovered instruments will be downloaded at the PMEL Seattle facility.
- 3.2 Staging Plan** – PMEL instruments and equipment necessary to complete this cruise will be shipped to the U.S. Coast Guard Base, Kodiak, AK. Items will be shipped to and held at the base shipping and receiving building. All equipment must arrive prior to June 25<sup>th</sup>. Arrangements will be made with the Big Valley to locate a suitable pier for loading.
- 3.3 De-staging Plan** – Upon completion of the cruise all PMEL equipment will be offloaded and shipped via closed container to the PMEL Seattle facility. The exact location for offloading will be determined based on pier space availability. PMEL will arrange for a 20 foot shipping container.
- 3.4 Cruise Plan** – PMEL equipment and the ROV will be loaded on the vessel on or before June 26<sup>th</sup>. We will depart Kodiak and steam to the GB-2 location. The actual recovery and deployment schedule will be determined by how successful we are at locating and attaching to the damaged moorings. At GB-1 there is one mooring to recover. At GB-2 there are 2 moorings to recover. At GB-3M there is one mooring to recover. At GB-4 there is one mooring to recover. Following the recovery activities at each location, near-surface temperature moorings will be deployed at sites, GB-1, GB-2 and GB-4.

Upon completion of all mooring operations the vessel will return to Kodiak to offload.

### 3.5 Station Locations –

To Recover	03-GB-1B	59 41.680 N	149 19.904 W
To Avoid	04-GB-1A	59 42.753 N	149 20.243 W
To Recover	03-GB-2B	59 32.018 N	149 10.994 W
To Recover	03-GB-2B	59 34.101 N	149 12.693 W
To Avoid	04-GB-2A	59 31.722 N	149 11.334 W

To Recover	03-GBM-3B	59 17.910 N	148 57.799 W
To Recover	03-GBP-3B	59 17.020 N	148 57.517 W
To Avoid	04-GBM-3A	59 18.493 N	148 59.753 W
To Recover	03-GB-4B	59 07.660 N	148 45.646 W
To Avoid	04-GB-4A	59 07.177 N	148 45.398 W

Deploy Temp. Sensor mooring #1 one quarter mile from 04-GB-1A

Deploy Temp. Sensor mooring #2 one quarter mile from 04-GB-2A

Deploy Temp. Sensor mooring #3 one quarter mile from 04-GB-4A

Note: Deployments are depth dependent. Exact deployment position can not be determined before a bottom depth survey has been completed.

**3.6 Applicable Restrictions - None**

**3.7 Small Boat Operations – A beach landing may be required on Chugach Island (80 miles east of Kodiak) to possibly recover a portion of a damaged surface mooring that washed ashore earlier this year.**

**4.0 FACILITIES**

**4.1 Equipment and Capabilities Provided by Ship**

- Winch for recovery and deployment of moorings
- Complete ROV system
- GPS
- Depth sounder good to 500 meters minimum
- Small boat for possible beach landing

**4.2 Equipment and Capabilities Provided by Scientists**

- Benthos and Edgetech acoustic release deck sets
- 6 SBE39 temperature sensors
- 3 acoustic releases
- Misc. shackles, chain and wire for moorings
- Boxes for recovered equipment
- 3 railroad wheel anchors
- 3 thirty inch metal floats

Note: currently in storage at the Kodiak Coast Guard Base:

- 1- 1600 lb anchor
- 2- thirty inch metal floats
- 1- Benthos acoustic deck unit
- 1- Benthos acoustic release suitable for short deployment (#1061)

## **5.0 DISPOSITION OF DATA AND REPORTS**

**5.1** The following data products will be included in the cruise data package:

- Station locations for deployed moorings
- Instrumentation list for deployed moorings
- Data from recovered instrument

## **6.0 ADDITIONAL PROJECTS**

**6.1** Piggyback Projects - None

## **7.0 HAZARDOUS MATERIALS**

**7.1** Material Safety Data Sheet (MSDS) - MSD sheets will be available for all Hazardous materials, Lithium batteries, and antifouling agent for SBE sensors.