CALL FOR PROPOSALS
November 20, 2006

NOAA'S National Marine Sanctuary Program (NMSP) invites applicants to request shiptime aboard the 66ft Research Vessel *Fulmar* for calendar year 2007. The vessel serves the Monterey Bay, Gulf of the Farallones and Cordell Bank National Marine Sanctuaries, and is homeported in Monterey Harbor. All persons or groups interested in time aboard R/V *Fulmar* must complete and return the attached form, "Request for Vessel Support" by ***December 15, 2006***, to Karen.Grimmer@noaa.gov.

We anticipate being able to allocate up to 25 days total for external projects in 2007, as part of this request for proposal process. Given the limited number, we must assign priority to those projects that most closely match the following Draft Joint Management Plan requirements. In particular, our research efforts will focus on the following areas:

- **Monterey Bay NMS:** Seafloor mapping and characterization related to marine protected areas.
  R/V *Fulmar* Contact: Andrew.Devogelaere@noaa.gov
- **Gulf of the Farallones NMS**: Please see draft management plan for research priorities
  R/V *Fulmar* Contact: Brian.Johnson@noaa.gov
- **Cordell Bank NMS:** Please see draft management plan for research priorities
  R/V *Fulmar* Contact: Michael.Carver@noaa.gov

Additional projects will also be entertained. The data collected during these cruises will help inform management decisions at all three sites and with state and federal partners. For more information on the plan priorities for each of the three sanctuaries, please visit the following website: http://sanctuaries.noaa.gov/jointplan/drafts/mp.html and click on the name of the sanctuary of interest.

We will be seeking as many opportunities as possible to invite kindergarten through 12th grade teachers as well as college/university instructors aboard in support of NOAA's Teacher at Sea Program (http://teacheratsea.noaa.gov/index.html) Your willingness to allow teachers to participate directly in your efforts will be factored into our allocation decisions. In addition, projects that generate materials supporting NOAA education and outreach efforts will receive a higher priority.

Initial allocation decisions will be made by early January 2007, and a rough schedule for calendar year 2007 will follow. All users of the R/V *Fulmar* will be required to provide the sanctuary program with copies of summary products created upon completion of your mission. Compliance with all trip requirements, including timely submission of cruise plans and summary cruise reports, providing summary materials and imagery to post on the SIMoN website, observance of safe operations, and the appropriate use of vessel equipment, will be expected.

To date, the NMSP has not incorporated a formal requirement that vessel users pay for their time aboard sanctuary vessels. The operating budget for the NMSP is not yet approved. If the fiscal year 2007 budget does not allow us to continue this practice, PI's will be immediately notified.

If you have any questions about this allocation process, please feel free to contact Karen Grimmer, Program Operations Coordinator (Karen.Grimmer@noaa.gov). Please direct research project questions to the corresponding R/V *Fulmar* Contact for your research area.

Research Vessel *Fulmar*
Specifications and Capabilities

General Specifications

Builder:	All American Marine; Bellingham, WA
Design:	Teknicraft Aluminum Catamaran
Length (overall)	66’ 9”
Beam	24’
Draft	7’
Speed at Cruise Power	22kts @ 70gals per hour
Speed at Full Power	27kts @ 100gals per hour
Max Displacement	49tons
Fuel capacity	2 x 750 gals diesel
Approximate Range at Cruise Power	450 nautical miles
Power	2 x 740 hp MTU S60
Propulsion	Fixed pitch propellers, bow thrusters
Electrical	2 x 20Kw Kohler generators
Waste Capacity	250 Gallons, with MSD type II treatment
Fresh Water Capacity	250 Gallons
Watermaker	400gpd with UV treatment
Max Day Scientists	28
Max Overnight Scientists	6
Crew	2 minimum

Deck Equipment

- Markey COM 7H science winch with 2150 meters of .322" electro-mechanical cable
- 2000lb SWL A-Frame with block for .322" cable. Wire-out readout available in lab.
- Morgan Model 330 knuckle boom crane for boat handling and cargo. 1,400lbs at full extension of 14ft. 4,600lbs at close range.
- Horizontal capstan for hauling traps near anchor winch
- Hydraulic "quick-connects" for use with temporary winches and other tools
- Zodiac Mark II 12'6 inflatable with 25hp 4-stroke Honda outboard
- Flying bridge with 7 seats and two benches.

Dive Air System

- Hydraulically operated Nuvair Element Nitrox membrane dive compressor with deck filling station (9.3 CFM)
- 20 SCUBA bottle holders built-in

Network and Computers

- Cat 6 network drops throughout the vessel. Separate dedicated network for EK60.
- Four computers are currently provided on the vessel
    - Pilothouse Computer with Nobletec
    - Lab Dell Computer with Nobletec and GNAV
    - Lab EK60 Computer
    - Seakeepers1000 control computer with SCS

Scientific Equipment

- Simrad EK60 38, 120, 200khz Scientific Fisheries Sounder (expert knowledge required)
- Coda Octopus F-180 precision attitude positioning system (expert knowledge required)
- Trimble DSM 232 Precision GPS
- Seakeepers 1000 Automated Observing System. Includes surface CTD, dissolved Oxygen, PH and Redox, Air Temp, Barometer, Wind Speed and Direction. Obs info is recorded continuously and automatically transmitted every hour
- Hydraulic hydrophone deployment system originally designed for the onboard Nautronix ATS II ultra-short baseline tracking system. Could be use as a moon pool for other instruments up to 13" in diameter.
- SIMRAD AP-50 autopilot can be controlled from lab
- External mounting pod for multibeam, ADCP or other gear

Communications

- 2 ICOM VHF marine band ship radios
- 3 ICOM VHF marine handheld radios
- 1 VHF aircraft radio (FAA and FCC restrictions on use)
- 1 NERA Fleet 33 INMARSAT
- Digital wireless cell phone booster system
- Internal Intercom System, talkback capable Loudhailer(s)

Request for Vessel Support
Research Vessel *Fulmar*

Proposed Project Title:

Requested By:

Principal Investigator and Affiliation:

Mailing Address, Phone Number, and E-mail Address:

Collaborating Individuals, Institutions, or Affiliations

Sanctuary Staff Contact for this Project:

Project Purpose (What management/research/education question do you plan to address?):

Describe how the project addresses CB/GF/MBNMS' mission and/or benefits program areas (i.e. research, education, outreach, resource protection, maritime heritage, etc.):

Please comment on your ability to invite a Teacher at Sea aboard during your project:

Dates/Season Requested:

Do you request multiple trips in one season? Yes No

Is this a one-time-only or multi-year project?

Total Number of Days Requested (include mobilization, demobilization, and transit):

Approximate Number of Working Hours per Day: (8hrs/day is standard for day trips; up to12hrs/day for overnights)

Approximate Number of Personnel (maximum number for overnights is 10):

Project Locations (please provide latitude and longitude if known):

Study area (s): CB GF MBNMS

Project Methods/Procedure:

Some projects may require a permit. Do you have a CB/GF/MBNMS permit?
Yes No

If Yes, Permit Start/End Dates:

If you do not have a permit, please see the following websites for more information regarding permits:

http://montereybay.noaa.gov/resourcepro/permits_need.html
http://cordellbank.noaa.gov/management/welcome.html
http://farallones.noaa.gov/manage/regulations.html

Equipment and Personnel Provided by Project:

Equipment and Personnel Requested from CB/GF/MBNMS:

You are required to post a summary report and imagery on the SIMoN website (http://www.mbnms-simon.org/) within 30 days of the completion of your mission. Please indicate additional Outcomes/Products (data, reports, images, multimedia, press coverage, outreach materials, etc.) that will be generated and made available:

Resources Available to Offset Vessel Costs, if any required (financial, technical):

Comments, Questions: