

**ORDER FOR SUPPLIES OR SERVICES**

**IMPORTANT: Mark all packages and papers with contract and/or order numbers.**

1. DATE OF ORDER 07/09/2010		2. CONTRACT NO. (If any) GS-00F-007L		6. SHIP TO: Dr. Carolyn Junemann		
3. ORDER NO. DTMA1F10076		4. REQUISITION/REFERENCE NO. PR600100130		a. NAME OF CONSIGNEE DOT/Maritime Administration, MAR-820		
5. ISSUING OFFICE (Address correspondence to)  DOT/Maritime Administration, MAR-380 1200 New Jersey Ave SE, MAR380 W26-429  Washington DC 20590				b. STREET ADDRESS 1200 New Jersey Ave., SE MAR820, W28-201		
c. CITY Washington		d. STATE DC		e. ZIP CODE 20590		
7. TO: a. NAME OF CONTRACTOR <b>Roberto Llanso</b>				f. SHIP VIA		
b. COMPANY NAME <b>VERSAR, INC.</b>				8. TYPE OF ORDER		
c. STREET ADDRESS <b>6850 VERSAR CENTER</b>				<input checked="" type="checkbox"/> a. PURCHASE REFERENCE YOUR: _____  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.		<input type="checkbox"/> b. DELIVERY - Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.
d. CITY <b>SPRINGFIELD</b>		e. STATE <b>VA</b>	f. ZIP CODE <b>22151-4196</b>			
9. ACCOUNTING AND APPROPRIATION DATA 2010 - 70 - X17680 - 001SDSD - SC - P000 - 00 - 160000 - - - - - 25404 - 6100 - 6600 -				10. REQUISITIONING OFFICE DOT/Maritime Administration, MAR-820		
11. BUSINESS CLASSIFICATION (Check appropriate box(es))						12. F.O.B. POINT
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. EMERGING SMALL BUSINESS						Destination
13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)		16. DISCOUNT TERMS	
a. INSPECTION	b. ACCEPTANCE					

**17. SCHEDULE (See reverse for Rejections)**

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	<b>SEE LINE ITEM DETAIL</b>					
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. (Cont. pages)	
	21. MAIL INVOICE TO: Christy Remington					
	a. NAME DOT/ Enterprise Services Center (ESC) OFO/FAA, Oklahoma City				\$52,208.00	
	b. STREET ADDRESS (or P.O. Box) MARAD A/P Branch, AMZ-150 PO Box 25710					
c. CITY Oklahoma City		d. STATE OK	e. ZIP CODE 73125		17(i) GRAND TOTAL	

22. UNITED STATES OF AMERICA BY (Signature)



23. NAME (Typed)  
Judy A. Bowers  
TITLE: CONTRACTING/ORDERING OFFICER



**ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION**

PAGE NO.  
3 of 3

**IMPORTANT: Mark all packages and papers with contract and/or order numbers.**

DATE OF ORDER 07/09/2010	CONTRACT NO. GS-00F-007L	ORDER NO. DTMA1F10076
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ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p><i>PRHQ10163</i></p> <p>Sampling and Analysis</p> <p>Sampling and analysis of biofouling organisms on the FLORIKAN at the Bay Ship and Yacht dry dock facility in Alameda, California. Sampling to be conducted pre- and post-hull cleaning in the dry dock. Work to be in accordance with the attached Scope of Work. Ship is now tentatively scheduled for dry docking on July 27, 2010</p> <p align="center"><i>Start Date                      End Date</i> 07/09/2010                      02/28/2011</p> <p>Reference Requisition: PR600100130</p>	1.00		52,208.000	52,208.00	

**TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17i)** ➡ \$52,208.00

## **Scope of Work**

Versar, Inc.

June 25, 2010

Contract # GS-00F-007L Between U.S. Maritime Administration and Versar, Inc.  
Q10-1062

Task Title: Hull Biofouling Sampling of the USS FLORIKAN in Alameda, CA  
Deliverable: January 27, 2011  
Cost Estimate: \$52,208

Biological surveys will be conducted on the USS FLORIKAN prior to and after hull cleaning while the vessel is in dry dock in Alameda, California, beginning on or about July 27, 2010. Hull fouling biota will be collected to identify and quantify the species attached to or associated with the underwater surfaces of the FLORIKAN, and to examine their geographic distributions with respect to their possible transfer from Alameda to the Gulf of Mexico. Two Versar scientists will collect 35 samples prior to hull cleaning, and will remain in Alameda for post-cleaning sampling. The Maritime Administration has allotted 1 day for the cleaning of the hull, with post-cleaning sampling to commence immediately after hull cleaning. Based on the Earham Victory experience, it is anticipated that 15 samples will be sufficient to characterize the biota after hull cleaning, but the exact number will be determined on site and will be dependent upon the extent of biofouling remaining and time constraints for completing the sampling. This cost estimate is for 35 pre-cleaning samples and 15 post-cleaning samples. The number of pre-cleaning samples is reduced to account for the shorter hull length of the FLORIKAN relative to previous surveyed vessels. We estimate that 5 transects may be necessary for a robust hull survey of biofouling.

Samples will be collected with the help of Maritime Administration personnel using forklifts with capacity for 1-2 scientists to access parts of the hull that are inaccessible from ground level. A stratified random sampling protocol will be used. Samples will be taken near the water line, mid-depth, and bottom of the hull, along five equidistant transects. Generally, five samples will be collected per transect at 5 positions: starboard upper, starboard lower, bottom, port lower, and port upper. In addition, samples will be taken from the vessel's appendages, including the stern tube, rudder, and propellers and/or niche locations. A 6-inch diameter PVC pipe sampler, or similar, with a cloth bag attached at the opposite end will be used to sample the biota. A 3-inch scraper will be used to remove the biological material from the hull, which will then be collected in the sample bag. Each sample will be rinsed down into the bag, and the bag will be closed, tied off and immediately transferred to 5-gallon buckets with in situ marine water. Extra live material will be removed from the hull at a few randomly selected locations and collected into a bucket with seawater. Before sampling, photos of the hull will be taken to document general biofouling cover. Due to expected time constraints and for logistical reasons, no sample quadrat photos of the hull will be taken.

The above procedures will be carried out during the biological sampling of the vessel. After the pre-cleaning sampling iteration is completed, additional activities at dock site will be

conducted, not to interfere with the hull cleaning activities. These activities will include visual examination of the extra live material and transferring of samples to relaxant and preservative solutions. Visual examination of the extra live material will be carried out at the site using a stereo dissecting microscope. The aim of this activity is to examine, identify, and/or collect voucher specimens of organisms that may be difficult to identify in the laboratory if the biological material on the hull has had time to dry out, and to assess live versus dead material on the hull.

Samples will be shipped back to the laboratory for further identification. Representative organisms from the very common species present in the samples (generally >100 individuals) will be removed for taxonomic identification, and their abundance will be estimated. The individuals of the less common species (generally < 100 individuals) will be removed from the samples, counted, and identified to species level whenever possible. Colonial species will be identified to species level whenever possible, but no counts can be provided for these species. Voucher specimens will be sent to specialists for taxonomic identification or confirmation on an as needed basis.

Depending on the taxonomic specialist turnaround, it is expected that laboratory data will be ready for analysis and reporting within 4-5 months from sample collection, and a draft report deliverable will follow on or before **January 27, 2011**.

**USS FLORIKAN BIOLOGICAL SAMPLING**

Cost Estimate

Versar, Inc.

Q10-1062

June 25, 2010

		CA FIELD	TX FIELD	LAB	REPORT	TOTAL
	RATE	HOURS	HOURS	HOURS	HOURS	HOURS
MARINE BIOLOGIST	\$130.45	68.0	0.0	0.0	30.0	98.0
TAXONOMIST	\$78.01	0.0	0.0	179.5	0.0	179.5
ENVIRONMENTAL SCI	\$75.04	68.0	0.0	0.0	30.0	98.0
FIELD TECH	\$44.26	8.0	0.0	150.0	0.0	158.0
PROJECT MANAGER	\$130.45	0.0	0.0	0.0	8.0	8.0
PROGRAM MANAGER	\$188.25	0.0	0.0	0.0	0.0	0.0
DATA MANAGER	\$77.17	0.0	0.0	0.0	8.0	8.0
WORD PROCESSOR	\$59.16	0.0	0.0	0.0	8.0	8.0
TOTAL HOURS		144.0	0.0	329.5	84.0	557.5
FULLY LOADED LABOR		\$14,327	\$0	\$20,642	\$8,299	\$43,268
TRAVEL		\$5,080	\$0	\$0	\$0	\$5,080
SHIPPING & SUPPLIES		\$820	\$0	\$100	\$50	\$970
SUBCONTRACTOR		\$0	\$0	\$1,000	\$0	\$1,000
SUB-TOTAL		\$5,900	\$0	\$1,100	\$50	\$7,050
G&A on ODCs	15.0%	\$885	\$0	\$15	\$8	\$907
SUB-TOTAL		\$6,785	\$0	\$1,115	\$58	\$7,957
MATERIAL HANDLING	3.45%	\$0	\$0	\$35	\$0	\$35
TOTAL CHARGES		\$21,112	\$0	\$21,791	\$8,356	\$51,260
FEE ON ODCs	7.0%	\$475	\$0	\$80	\$4	\$559
INDUSTRIAL FUNDING FEE	0.75%					\$389
TOTAL		\$21,587	\$0	\$21,872	\$8,360	\$52,208