

NATIONAL SCIENCE FOUNDATION
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Division of Ocean Sciences
Integrative Programs Section

DATE: October 10, 2010

TO: Dr. Clare Reimers
Chair, UNOLS Fleet Improvement Committee

FROM: Capt. Bauke Houtman
Section Head, Integrative Programs

C/c: Dr. Vernon Asper, UNOLS Council
Jon Alberts, UNOLS Office
Tim Schnoor, Office of Naval Research

SUBJECT: R/V *POINT SUR* Estimated Service Life

Based on the November 2009 NSF Inspection, NSF has further evaluated the condition and potential service life investment requirements for the R/V *POINT SUR* in consultation with Moss Landing Marine Labs as illustrated in the table below:

	Ratings			Years Remaining w/o SLE	Years Remaining w/SLE	SLE Cost Estimate
	General Condition	Material Obsolescence	Technical Obsolescence			
Stability	Good	Good	Good	5	10	\$0
Hull & Superstructure	Good	Good	Good			\$260,000
Major Machinery	Very Good	Good	Good			\$750,000
Auxiliary Machinery	Good	Good	Good			\$50,000
Electrical and Control	Good	Good	Good			\$400,000
Deck Equipment	Good	Good	Good			\$350,000
Science Support Facilities	Good	Fair	Good			\$100,000
Science Load Handling	Very Good	Good	Good			\$260,000
Accommodations	Fair	Fair	n/a			\$250,000
Overall	Good	Good	Good			

Overall, the vessel appears to be in "Good" material condition. With no significant investment toward a Service Life Extension (SLE), the R/V *POINT SUR* has approximately five years remaining. With an investment of approximately \$2.4M, the service life could potentially be extended up to 10 more years. This investment could be funded (either fully or partially) over time through the vessel's MOSA account or through a separate proposal process.

Please note that the SLE described would only enhance the vessel's material condition and bring it more closely into compliance with current regulatory requirements. It would NOT bring the vessel into compliance with the latest UNOLS "Regional Vessel" Science Mission Requirements.

Currently, the *POINT SUR*'s retirement date is listed as 2011; or 30 years from original delivery. Based on these findings, NSF recommends the *POINT SUR*'s published retirement date be extended to 2016. The actual retirement date for the vessel will be determined by NSF and Moss Landing Marine Labs based on the material condition of the ship and the projected scientific demand. UNOLS will be provided a periodic assessment of the *POINT SUR* in 2012 following the next NSF Inspection.