Vessel Survey
Vessel Projected Retirement Date and SLEP Estimates

Please complete a separate survey for each vessel that your institution operates.

1. Ship Name: _____

2. Class of Vessel (check one):

_____ Global
_____ Ocean/Intermediate
_____ Regional
_____ Local

3. Should the retirement date of this vessel be extended? _____ Yes _____ No

4. If so, what would be the revised projected retirement date? _____ (Year)

It is important that a reasonable assessment of the following questions be provided:

5.a. In your best assessment, what is the estimated cost to carry out a five-year Service Life Extension Program (SLEP) for your vessel? _____

5.b. What work would be required for the 5-year extension?

6.a. In your best assessment, what is the estimated cost to carry out a 10-year Service Life Extension Program (SLEP) for your vessel? _____

6.b. What work would be required for the 10-year extension?

Science Mission Requirements

UNOLS would appreciate an assessment on how your vessel meets the Regional or Ocean Class SMRs. To indicate that the vessel meets the SMR parameter, place an "X" in the adjacent box. Operators of Local Class vessels can skip this section.

SMR parameter	Regional Class (RC)	Meets RC SMR	Ocean Class (OC)	Meets OC SMR
Non-crew personnel	16-20		20-25	
Endurance	21 days, surge to 30 (15 transit and 15 station)		40 days (20 transit and 20 station)	
Range	8,000 nm		10,800 nm	
Speed	12 kts, 10 kts in SS4, 7 kts in SS5		12 kts through SS4	
Sea keeping	Work in SS 4, >50% in SS 5		Maximize ability to work in SS 5 and higher	
Station Keeping	Best available Dynamic positioning		Dynamic position in 35 kt wind, SS 5 and 2 kts current	
Track-line following	Stay within 5 m of line with 25 kts wind, up to SS4, and 2 kts current		Heading deviation of less than 45 degrees with 30 kts wind, up to SS5, and 2kts current	
Crane	Load/unload up to 8000 lb to a pier; 16000 lb is desirable		Load/unload up to 20000 lb to a pier	
Towing	10000 lb at 6 kts, 20000 lb at 4 kts for several days		10000 lb at 6 kts, 25000 lb at 4 kt for several days	
Working Deck				
Stern aft of all deck houses	1000 sq ft; 1500 sq ft desirable		1500 sq ft	
Along one side	50' x 10' area		80' clear deck area	
Total stern clear area	1300 sq ft		2000 sq ft	
Laboratories				
Main dry lab	800 sq ft		1000 sq ft	
Wet/hydro lab	400 sq ft		400 sq ft	
Electronics/ computer lab	Separate or part of main lab		300 sq ft	
Res Tech work space	Separate electronics repair shop/work space for resident technicians		Separate electronics repair shop/work space for resident technicians	

High Bay	High bay/hanger space adjacent to aft main deck		High bay/hanger space adjacent to aft main deck	
Climate controlled space	100 sq ft		100 sq ft	
Total lab space	1000 sq ft (1500 sq ft desirable)		2000 sq ft	
Vans	2 20'x8' deck vans, space for 1-2 smaller vans		2 20'x8' deck vans, space for 1-2 smaller vans (500 sq ft)	
Science Storage	400-500 cubic ft		5000 cubic ft	
Science load	At least 50 LT		200 LT	
Workboats	16' or larger		At least one 16' or larger	
Real-time data acquisition system	Multibeam, ADCP, IMET, transducer wells		Multibeam, ADCP, IMET, transducer wells	

Thank you for your input.

PRELIMINARY - UNOLS Vessel Retirement Dates and Service Life Extension Program (SLEP) Estimates

Vessel	Year Built / Refit	Length (ft)	FOFC Retirement Date	Revise FOFC Date? Yes/no	Revised Retirement Date *	5-year estimated SLEP Cost ($M)	10-year estimated SLEP cost ($M) **	Comments
Vessels > 40 m								
ALPHA HELIX	1996	133	2005	yes	2008	--	--	Based on NSF report to Council 3/04
GYRE	1973	182	2006	yes	2011	$1.335	$3.235	
ENDEAVOR	1976	184	2008	yes	2018	$1.025	$1.5	SLEPs are in addition to shipyard maintenance reqmts
OCEANUS	1976	177	2009	yes	2019	$1.18	$1.98	SLEPs are in addition to shipyard maintenance reqmts
WECOMA	1976	185	2010	yes	2020	$1.5	$2	SLEPs are in addition to shipyard maintenance reqmts
CAPE HATTERAS	1981	135	2011	no	2016	$2	$5	only if necessary extend retirement date
POINT SUR	1981	135	2011	no	2016	$2.125	$5	only if necessary extend retirement date
SEWARD JOHNSON II	1982	161	2012	yes	2017	$5	$8.5	2023 possible
MELVILLE	1969 / 1991	279	2014	yes	2019	see comment	see comment	Could extend 5 or 10 years, but SIGNIFICANT work packages required.
KNORR	1970 / 1989	279	2015	no	xx			1-2 years if needed
SEWARD JOHNSON	1985	204	2015	yes	2020	$5	$7.5	2025 possible
NEW HORIZON	1978	170	2016	yes	2021	see comment	see comment	Could extend 5 or 10 years, but SIGNIFICANT work packages required.
EWING	1983 / 1990	239	2018	yes	2005	--	--	To be replaced
EWING Replacement	1996/2006	235	xx	xx	2025	--	--	
T.G. THOMPSON	1991	274	2021	no	xx	--	--	
R. REVELLE	1996	274	2026	no	xx	--	--	Initial focus will be on mid-life planning - prior to predicting SLEP needs.
ATLANTIS	1997	274	2027	no	xx	--	--	Initial focus will be on mid-life planning - prior to predicting SLEP needs.
KILO MOANA	2002	186	2032	no	xx	$7.5	$12.5	capability for extending the life
Vessels <40 m								
BARNES	1966	66	2005	no	xx	--	--	
CAPE HENLOPEN	1976	120	2005	no	xx	--	--	
LONGHORN	1971	105	2011	no	xx	$4	--	
WEATHERBIRD II	1981	115	2013					
PELICAN	1985	105	2013	no	xx	$2	--	
SPROUL	1981	125	2015	yes	2021	see comment	see comment	Could extend 5 or 10 years, but SIGNIFICANT work packages required.
BLUE HERON	1985	86	2015	no	xx	--	--	
URRACA	1986	96	2016					
WALTON SMITH	2000	96	2031	no	xx	--	--	
SAVANNAH	2001	91	2032	no	xx	--	--	

Notes: * Revised retirement dates are based on the premise that SLEPs will be funded and carried out.

** 10-year SLEP costs include all 5-year SLEP work items and associated costs.