APPENDIX IV

UNOLS VESSEL ESTIMATED USE-LIFE

PROJECTED SCHEDULE OF CONSTRUCTION, MID-LIFE REFIT AND RETIREMENT OF SHIPS IN THE UNOLS FLEET																															
		BUILT	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
CLAS I/II																																			
	MELVILLE	1969	---	---	---	---	---	---	---	---	---	---	X	---	---	---	---	---	---	---	---	R													MELVILLE
	KNORR	1970	---	---	---	---	---	---	---	---	---	---	X	---	---	---	---	---	R															KNORR
	THOMPSON	1991	---	---	---	---	---	---	---	---	---	---	---	M	---	---	---	---	---	---	---	---	---	---	---	---	---	R							THOMPSON
	REVELLE	1996	C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	R		REVELLE
	EWING	1983	---	---	---	---	M	---	---	---	---	---	---	---	---	---	---	---	---	---	X	---	---	---	---	R									EWING
	MOANA WAVE	1973	---	---	---	X	---	---	---	---	R																								MOANA WAVE
CLASS III																																			
	SEWARD JOHNSON	1985	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	R													SEWARD JOHNSON
	WECOMA	1976	---	---	---	---	---	---	---	---	---	---	---	---	---	X	---	---	---	---	R														WECOMA
	ENDEAVOR	1977	---	---	---	---	---	---	---	---	---	---	---	---	X																				ENDEAVOR
	GYRE	1973	---	---	---	---	---	---	---	X																									GYRE
	OCEANUS	1976	---	---	---	---	---	---	---	---	---	---	---	---	---	X	---	---	---	---	R															OCEANUS
	NEW HORIZON	1978	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	---	---	---	---	R														NEW HORIZON
	EDWIN LINK	1982	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	R																	EDWIN LINK
CLASS IV																																			
	POINT SUR	1981	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	R																		POINT SUR
	CAPE HATTERAS	1981	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	R																		CAPE HATTERAS
	ALPHA HELIX	1966	---	X	---	---	R+																													ALPHA HELIX
	SPROUL	1981	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	---	---	---	R														SPROUL
	CAPE HENLOPEN	1976	---	---	---	---	---	---	---	---	X	---	R																							CAPE HENLOPEN
	WEATHERBIRD II	1981	---	---	M	---	---	---	---	---	X	---	---	---	---	---	---	---	---	R																	WEATHERBIRD II
	SEA DIVER	1959	---	---	---	---	---	---	R																											SEA DIVER
	PELICAN	1985	---	---	---	---	---	---	---	---	---	R																								PELICAN
	LONGHORN	1971	---	---	---	---	---	R																												LONGHORN
<CLASS IV																																			
	URRACA	1986	---	>																																URRACA
	LAURENTIAN	1974	---	>																																LAURENTIAN
	BLUE FIN	1972	---	---	---	---	---	R																												BLUDE FIN
	CALANUS	1971	---	---	---	---	---	R																												CALANUS
	BARNES	1966	---	>																																
SPECIAL PURPOSE SHIP																																			
	ATLANTIS	1997	---	C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	R	
	ATLANTIS II		X																																
C = CONSTRUCTION																																			
M = MID-LIFE REFIT																																			
X = FIP95 RETIREMENT DATE																																			
R = RETIREMENT																																			