

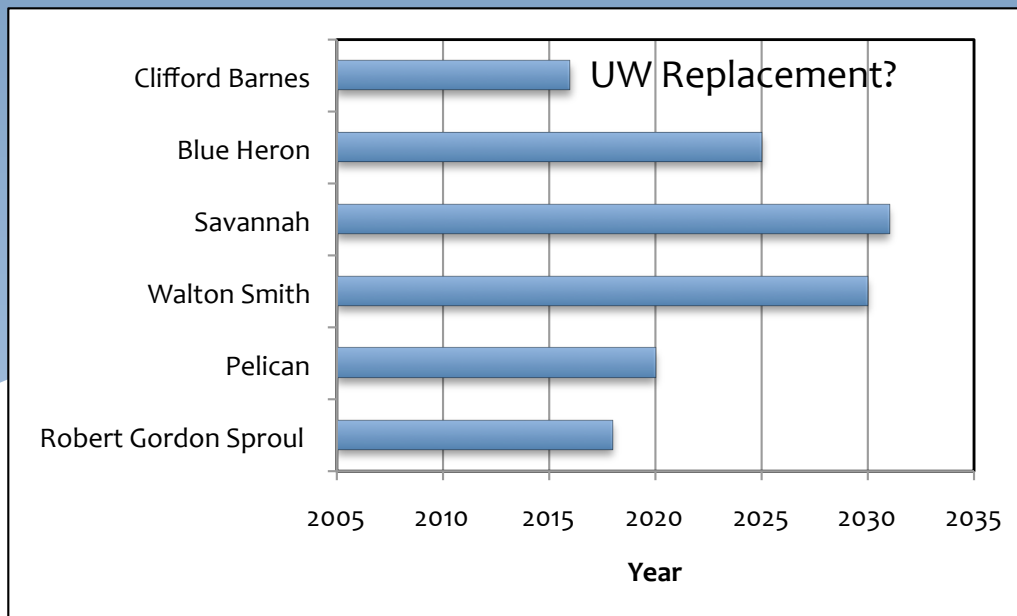


Fleet Renewal

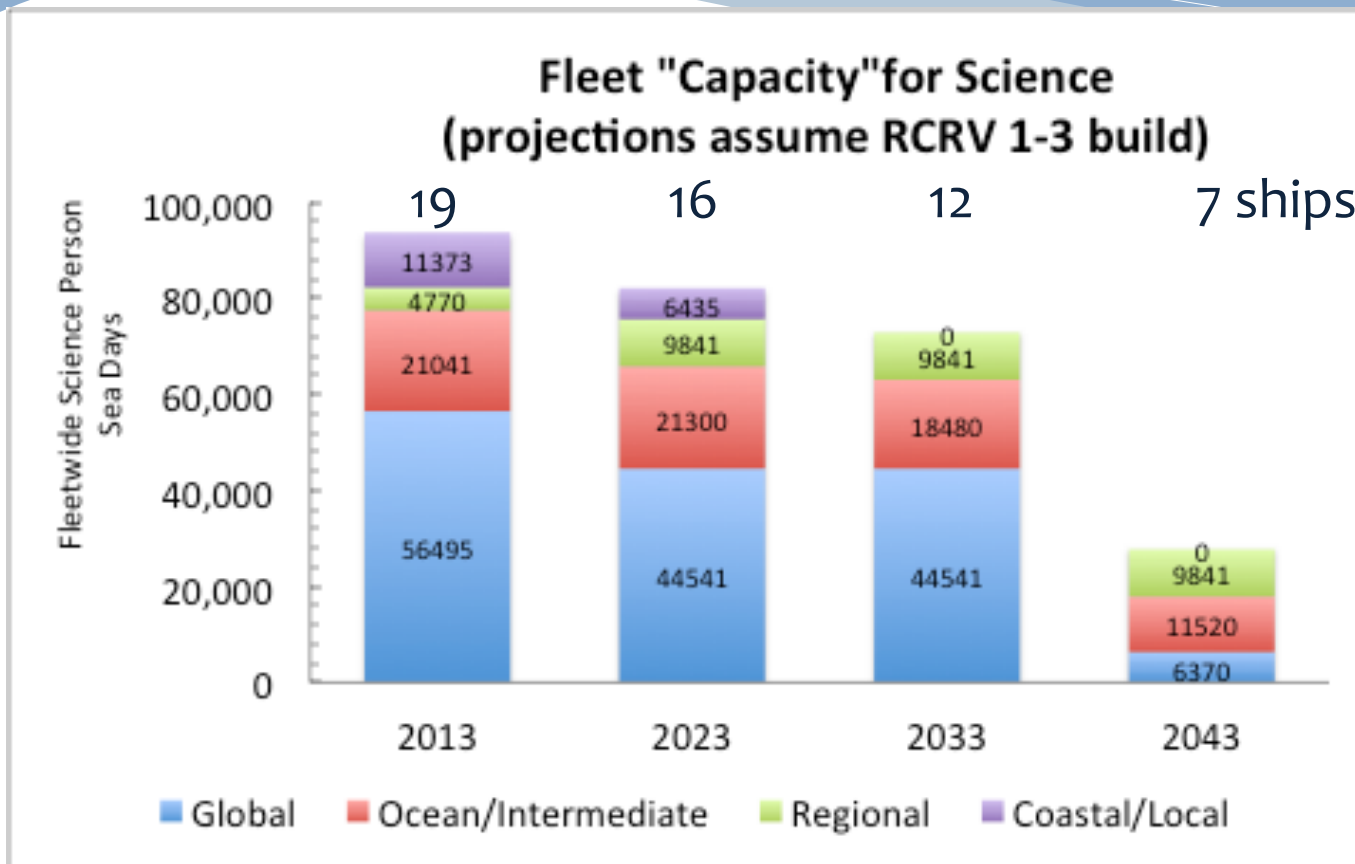
Recommendations for Local/Coastal Class

Local/Coastal Class

Coastal/Local Class	BUILT	Conv/ Mid Life	Owner	LOA m (ft)	Science Berths	Mean Full Utilization Sea Days	Projected End of Service	Class Science Sea days 2013
<i>Robert Gordon Sproul</i>	1981	1985	SIO	38 (125)	12	114	2018	11373
<i>Pelican</i>	1985	2003	LUMCON	32 (105)	14	210	2020	
<i>Walton Smith</i>	2000		Miami	30 (96)	16	190	2030	
<i>Savannah</i>	2001		SKID/UG	28 (92)	19	155	2031	
<i>Blue Heron</i>	1985	1999	UMINN	26 (86)	6	75	2025	
<i>Clifford Barnes</i>	1966	1984	NSF	20 (66)	6	105	2016	



UNOLS Fleet Projections



Will see more fleet reductions and a shift in capacity from local/coastal vessels to Regional class over the next 10-20 years unless there are new acquisitions of smaller vessels.....

Comparison of renewed classes

	Vessel:	RCRV	OCRV	Thompson
Dimensions				
Length (overall)	ft	191	238	273
Length (waterline)	ft	176	230	252.5
Beam	ft	41	50	52.5
Draft @ amidships	ft	12.5	15	17
Displacement (Full Load) ³	LT	~1488	3061	3528
Lab and Science Spaces				
Main Lab	sq ft	525	1023	1700
Wet Lab	sq ft	255	398	225
Additional Labs ²	sq ft	415	478	1765
Library/Conference Rooms	sq ft	180	286	560
Deck				
Aft Deck Areas including s	sq ft	2350	2860	4350
Side Rail	ft	76	80	112
Freeboard	ft	6	7	9.5
Maximum Scientific Load	T	50	250	?
Berths				
Science + Mar Techs	number	18	24	38
Total	number	30(34)	44	59
Performance				
Cruise Speed	knots	~12	12	12
Max Speed	knots	~12.5	12.8	15
Range	nautical miles	6,300 nm @ 12 knots	10,853 nm @ 12 knots	12,000 nm @ 15 kts
Endurance	days	21	40	60
Dynamic Positioning	type	DP-1	DP-0	DP-1

Questions for FIC

1. What capacity in the Coastal/local Class is recommended for federally supported coastal science in the academic (UNOLS) Fleet?
2. What mission scenarios can only be met or are better met with the Coastal/local class than by Regional, Ocean or Global class vessels?
3. How should the acquisition of local/coastal vessels be planned and funded?
4. How should these recommendations be expressed in the FIP?