LRAUV build budget science sensors, orginally 2019, but now planned for 2018 as per M-Team request.

2018 Science instruments								
Description	Manufacturer	Part Number	Cost Each	**LRAUV 4 (Kemp)**	**LRAUV 5 (Microbe)**	**LRAUV 6 (Water Sample)**	**LRAUV 7 (Bio Acoustics)**	**Totals**
ECO-PUCK BB2FL-MBA (470,650,CHL)(5,5,50), beveled and fitted with connector as shown in drawing 220468 and with fixed width data output.	Wet Labs	FAS-015004	$8,700.00	$8,700.00	$8,700.00	$8,700.00	$8,700.00	$34,800.00
Sea-Bird 350m Glider Payload CTD (GPCTD) for measuring conductivity, temperature, and pressure, Includes pump, AF24173 Anti	Sea-Bird Electronics Inc.	GPCTD	$10,440.00	$10,440.00	$10,440.00	$10,440.00	$10,440.00	$41,760.00
Dissolved Oxygen sensor	Sea-Bird Electronics Inc.	SBE-43	$4,391.00	$4,391.00	$4,391.00	$4,391.00	$4,391.00	$17,564.00
CTD cable assembly	Sea-Bird Electronics Inc.		$389.00	$389.00	$389.00	$389.00	$389.00	$1,556.00
LI-COR Underwater quantum sensor	LI-COR	LI-192SA	$800.00	$800.00	$800.00	$800.00	$800.00	$3,200.00
							Science Instruments Subtotal	**$98,880.00**
			All Core Science Instruments Subtotal by vehicle	$24,720.00	$24,720.00	$24,720.00	$24,720.00	
2018 Acoustic Instruments								
Description	Manufacturer	Part Number	Cost Each	**LRAUV 4 (Kemp)**	**LRAUV 5 (Microbe)**	**LRAUV 6 (Water Sample)**	**LRAUV 7 (Bio Acoustics)**	**Totals**
Doppler Velocity Log	?	?	$19,500.00	$19,500.00	$0.00	$0.00	$0.00	$19,500.00
Directional USBL Medium Frequency remote RA transducer (DAT)	Teledyne Benthos	OEM-DAT	$27,000.00	$27,000.00	$27,000.00	$27,000.00	$27,000.00	$108,000.00
DAT wet cable and connector	Impulse		$350.00	$350.00	$350.00	$350.00	$350.00	$1,400.00
Altimeter	Tritech	Micron	$3,100.00	$3,100.00	$3,100.00	$3,100.00	$3,100.00	$12,400.00
Altimeter wet cable	Impulse		$250.00	$250.00	$250.00	$250.00	$250.00	$1,000.00
							Acoustic Instruments Subtotal	**$122,800.00**
			All acoustic Instruments Subtotal by vehicle	$50,200.00	$30,700.00	$30,700.00	$30,700.00	
			All Core Science and acoustic Instruments Subtotal by vehicle	$74,920.00	$55,420.00	$55,420.00	$55,420.00	
General 2019 Budget Items								
Description								
Shipping on 2018 instrument purchases								$750.00
Sales tax on 2018 instrument purchases (7.75% of total sensor budget listed above)								$17,180.20
							General Item Subtotal	**$17,930.20**
							Total 2018 estimated purchase costs ($43,823 from 901706)	**$239,610.20**