## Proposed Schedule Subject to Change Based on Adaptive Management

Exploration Licence						
(60 months) Month	Campaign / Cruise #	Vessel	Principle Activity	Box Core and Bulk Sampling	Duration	Budget (NZD
1 (Mar 2022)			Exploration Licence granted			
2 (Apr 2022)						
3 (May 2022)						
	Seasurveyor / Cruise#1					
	(Formerly Campaign #2 / Cruise					
4 (Jun 2022)	#1)	Small vessel (~40m)	Small vessel arrives Rarotonga			\$576,960
	Seasurveyor / Cruise#1					
	(Formerly Campaign #2 / Cruise					
4 (Jun 2022)	#1)"	Small vessel (~40m)	Box Coring	50-85 small box cores	21 days	\$829,380
			Preparations for Campaign#1 (commence			
5 (Jul 2022)			moorings development and build)		30 days	
6 (Aug 2022)			Preparations for Campaign#1		30 days	
			Preparations for Campaign#1. Large Vessel			
7 (Sep 2022)			arrives S.Pacific		30 days	\$1,153,920
			Shipborne multibeam mapping of			
8 (Oct 2022)	Campaign#1 / Cruise#1	Large vessel (~60-80m)	approximately 100,000 km2		30-45 days	\$3,158,856
			Shipborne multibeam mapping of			
9 (Nov 2022)	Campaign#1 / Cruise#2	Large vessel (~60-80m)	approximately 112,000 km2		30-45 days	\$3,158,856
				75-150 box cores, up to 50 tonnes of bulk		
10 (Dec 2022)	Campaign#1 / Cruise#3	Large vessel (~60-80m)	Box Coring, Bulk Sampling with dredge	sample	30-45 days	\$3,721,392
						1 - 7 7
			Box Coring, Bulk Sampling with dredge, High			
			resolution mapping and sampling with Deeptow	75-150 box cores, up to 50 tonnes of bulk		
11 (Jan 2023)	Campaign#1 / Cruise#4	Large vessel (~60-80m)	and ROV (visual and biota sampling)	sample	30-45 days	\$4,644,528
11 (6011 2020)			High resolution mapping and sampling with	Sompre	55 15 4475	¢ 1,0 1 1,020
			Deeptow and ROV, Moorings, mini-Landers			
			deployments, additional Environmental			
12 (Feb 2023)	Campaign#1 / Cruise#5	Large vessel (~60-80m)	baseline data collection		30-45 days	\$4,644,528
12 (Feb 2023)		Large vessel (~60-80m)	Large Vessel departs S.Pacific		55 15 4475	\$1,153,920
13 (Mar 2023)	Moved to Jun 2022					<i><b><i>ψ</i>1,133,320</b></i>
13 (Mar 2023)	Moved to Jun 2022					
15 (Mai 2025)						
			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			Moorings, mini-Landers maintenance and data			
			recovery, additional Environmental baseline		15.1	A
14	Campaign#2 / Cruise#2	Small vessel (~40m)	data collection		15 days	\$1,009,680
				15-25 box cores, bulk sample material if		
15	Campaign#2 / Cruise#3	Small vessel (~40m)	Box Coring and possibly bulk sampling	required	15 days	\$649,080
			I the second of a second second second the second			
	1		High resolution mapping and sampling with			
	1		AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
	1		Moorings, mini-Landers maintenance and data			
			recovery, additional Environmental baseline			
16	Campaign#2 / Cruise#4	Small vessel (~40m)	data collection		15 days	\$1,189,980
	1			15-25 box cores, bulk sample material if		
17	Campaign#2 / Cruise#5	Small vessel (~40m)	Box Coring and possibly bulk sampling	required	15 days	\$649,080

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18	Campaign#2 / Cruise#6	Small vessel (~40m)	High resolution mapping and sampling with AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection		15 days	\$1,009,680
10				15-25 box cores, bulk sample material if	10 00/0	
19	Campaign#2 / Cruise#7	Small vessel (~40m)	Box Coring and possibly bulk sampling	required	15 days	\$829,380
20	Campaign#2 / Cruise#8	Small vessel (~40m)	High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection		15 days	\$1,009,680
				15-25 box cores, bulk sample material if		
21	Campaign#2 / Cruise#9	Small vessel (~40m)	Box Coring and possibly bulk sampling	required	15 days	\$649,080
			High resolution mapping and sampling with AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline		15 days	64 400 000
22	Campaign#2 / Cruise#10	Small vessel (~40m)	data collection	15-25 box cores, bulk sample material if	15 days	\$1,189,980
23	Campaign#2 / Cruise#11	Small vessel (~40m)	Box Coring and possibly bulk sampling	required	15 days	\$649,080
24	Campaign#2 / Cruise#12	Small vessel (~40m)	High resolution mapping and sampling with AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection		15 days	\$1,009,680
			Box Coring and possibly bulk sampling / utilise			
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
25	Campaign#3 / Cruise#1/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest	1 E dava	¢020.200**
25	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$829,380**
26	Campaign#3 / Cruise#2/ Harvesting Tech Testing	Small vessel (~40m)/ Harvesting Tech Testing Vessel*	High resolution mapping and sampling with AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection / utilise harvesting tech testing vessel for engineering/environmental harvest technology tests		15 days	\$1,009,680**
			Box Coring and possibly bulk sampling/ utilise			
27	Campaign#3 / Cruise#3/ Harvesting Tech Testing	Small vessel (~40m)/ Harvesting Tech Testing Vessel*	harvesting tech testing vessel for engineering/environmental harvest technology tests	15-25 box cores, bulk sample material if required Engineering/environmental harvest technology tests	15 days	\$649,080**
28	Campaign#3 / Cruise#4/ Harvesting Tech Testing	Small vessel (~40m)/ Harvesting Tech Testing Vessel*	High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests		15 days	\$1,189,980**

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			Box Coring and possibly bulk sampling/ utilise			
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
	Campaign#3 / Cruise#5/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
29	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**
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			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			Moorings, mini-Landers maintenance and data			
			recovery, additional Environmental baseline			
			data collection/ utilise harvesting tech testing			
	Campaign#3 / Cruise#6/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
30	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,009,680**
50			÷1		15 uays	\$1,009,080
			Box Coring and possibly bulk sampling/ utilise			
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
	Campaign#3 / Cruise#7/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
31	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$829,380**
			High resolution mapping and sampling with		1	
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			Moorings, mini-Landers maintenance and data			
			recovery, additional Environmental baseline			
			data collection/ utilise harvesting tech testing			
	Campaign#3 / Cruise#8/	Creall uses of (240ms) / Hermosting Tech				
22		Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest		15	¢4.000.000**
32	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,009,680**
			Box Coring and possibly bulk sampling / utilise			
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
	Campaign#3/ Cruise#9/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
33	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**
			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			Moorings, mini-Landers maintenance and data			
			recovery, additional Environmental baseline			
			data collection/ utilise harvesting tech testing		1	
	Campaign#3 / Cruise#10/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
34	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,189,980**
34			Box Coring and possibly bulk sampling / utilise		10 0005	,10 <i>3,3</i> 00
				15 25 how coros hulk complementarial if		
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if	1	
	Campaign#3 / Cruise#11/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest	l	
35	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**
			High resolution mapping and sampling with			
		1			1	
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			geotechnical sampling and measurements, Moorings, mini-Landers maintenance / utilise			
			geotechnical sampling and measurements, Moorings, mini-Landers maintenance / utilise harvesting tech testing vessel for			
			geotechnical sampling and measurements, Moorings, mini-Landers maintenance / utilise			
	Campaign#3 / Cruise#12/	Small vessel (~40m)/ Harvesting Tech	geotechnical sampling and measurements, Moorings, mini-Landers maintenance / utilise harvesting tech testing vessel for			

			Box Coring and possibly bulk sampling/ utilise			
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
	Campaign#4 / Cruise#1/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
37	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$829,380**
			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			Moorings, mini-Landers maintenance/ utilise			
			harvesting tech testing vessel for			
			engineering/environmental harvest technology			
	Compaign#4 / Cruiso#2/	Small uses ( (×40m) ( Her vertire Tech				
	Campaign#4 / Cruise#2/	Small vessel (~40m)/ Harvesting Tech	tests and data recovery, additional			44.000.000**
38	Harvesting Tech Testing	Testing Vessel*	Environmental baseline data collection		15 days	\$1,009,680**
			Box Coring and possibly bulk sampling/ utilise			
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
	Campaign#4/ Cruise#3/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
39	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**
			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			Moorings, mini-Landers maintenance and data			
			recovery, additional Environmental baseline			
			data collection / utilise harvesting tech testing			
	Comparison WA / Consider WA/					
	Campaign#4 / Cruise#4/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest		45.1	44 400 000**
40	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,189,980**
			Box Coring and possibly bulk sampling/ utilise			
				15-25 box cores, bulk sample material if		
	Campaign#4 / Cruise#5/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
41	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**
			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			
			AUV and/or ROV visual and biota sampling, ROV			
			AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements,			
			AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data			
	Campaign#4/ Cruise#6/	Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline			
42	Campaign#4/ Cruise#6/ Harvesting Tech Testing	Small vessel (~40m)/ Harvesting Tech Testing Vessel*	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing		15 days	\$1,009,680**
42			AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest		15 days	\$1,009,680**
42			AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise	15-25 box cores, bulk sample material if	15 days	\$1,009,680**
42	Harvesting Tech Testing	Testing Vessel*	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for	15-25 box cores, bulk sample material if required Engineering/environmental harvest	15 days	\$1,009,680**
	Harvesting Tech Testing Campaign#4 / Cruise#7/	Testing Vessel* Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology	required Engineering/environmental harvest		
42	Harvesting Tech Testing	Testing Vessel*	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests		15 days 15 days	\$1,009,680** \$829,380**
	Harvesting Tech Testing Campaign#4 / Cruise#7/	Testing Vessel* Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests High resolution mapping and sampling with	required Engineering/environmental harvest		
	Harvesting Tech Testing Campaign#4 / Cruise#7/	Testing Vessel* Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers	required Engineering/environmental harvest		
	Harvesting Tech Testing Campaign#4 / Cruise#7/	Testing Vessel* Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional	required Engineering/environmental harvest		
	Harvesting Tech Testing Campaign#4 / Cruise#7/	Testing Vessel* Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise	required Engineering/environmental harvest		
	Harvesting Tech Testing Campaign#4 / Cruise#7/ Harvesting Tech Testing	Testing Vessel* Small vessel (~40m)/ Harvesting Tech Testing Vessel*	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for	required Engineering/environmental harvest		
43	Harvesting Tech Testing Campaign#4 / Cruise#7/ Harvesting Tech Testing Campaign#4/ Cruise#8/	Testing Vessel* Small vessel (~40m)/ Harvesting Tech Testing Vessel* Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology	required Engineering/environmental harvest	15 days	\$829,380**
	Harvesting Tech Testing Campaign#4 / Cruise#7/ Harvesting Tech Testing	Testing Vessel* Small vessel (~40m)/ Harvesting Tech Testing Vessel*	<ul> <li>AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests</li> <li>Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests</li> <li>High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests</li> </ul>	required Engineering/environmental harvest		
43	Harvesting Tech Testing Campaign#4 / Cruise#7/ Harvesting Tech Testing Campaign#4/ Cruise#8/	Testing Vessel* Small vessel (~40m)/ Harvesting Tech Testing Vessel* Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise	required Engineering/environmental harvest technology tests	15 days	\$829,380**
43	Harvesting Tech Testing Campaign#4 / Cruise#7/ Harvesting Tech Testing Campaign#4/ Cruise#8/	Testing Vessel* Small vessel (~40m)/ Harvesting Tech Testing Vessel* Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise	required Engineering/environmental harvest	15 days	\$829,380**
43	Harvesting Tech Testing Campaign#4 / Cruise#7/ Harvesting Tech Testing Campaign#4/ Cruise#8/	Testing Vessel* Small vessel (~40m)/ Harvesting Tech Testing Vessel* Small vessel (~40m)/ Harvesting Tech	AUV and/or ROV visual and biota sampling, ROV geotechnical sampling and measurements, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests High resolution mapping and sampling with AUV and/or ROV, Moorings, mini-Landers maintenance and data recovery, additional Environmental baseline data collection/ utilise harvesting tech testing vessel for engineering/environmental harvest technology tests Box Coring and possibly bulk sampling/ utilise	required Engineering/environmental harvest technology tests	15 days	\$829,380**

				High resolution mapping and sampling with			
				AUV and/or ROV visual and biota sampling, ROV			
				geotechnical sampling and measurements,			
				Moorings, mini-Landers maintenance and data			
				recovery, additional Environmental baseline			
				data collection/ utilise harvesting tech testing			
		Campaign#4 / Cruise#10/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
	46	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,189,980**
				Box Coring and possibly bulk sampling/ utilise			
				harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
		Campaign#4 / Cruise#11/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
	47	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**
				High resolution mapping and sampling with			
				AUV and/or ROV visual and biota sampling, ROV			
				geotechnical sampling and measurements,			
				Moorings, mini-Landers maintenance and data			
				recovery, additional Environmental baseline			
				data collection/ utilise harvesting tech testing			
		Campaign#4 / Cruise#12/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
	48	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,009,680**
				Box Coring and possibly bulk sampling/ utilise			
				harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
		Campaign#5/ Cruise#1/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
	49	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$829,380**
				High resolution mapping and sampling with			
				AUV and/or ROV visual and biota sampling, ROV			
				geotechnical sampling and measurements,			
				Moorings, mini-Landers maintenance and data			
				recovery, additional Environmental baseline			
				data collection / utilise harvesting tech testing			
		Campaign#5 / Cruise#2/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
	50	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,009,680**
				Box Coring and possibly bulk sampling/ utilise		10 0095	÷ 1,000,000
				harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
		Campaign#5/ Cruise#3/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
	51	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**
	51	Harvesting rech resting				15 uays	\$049,080
				High resolution mapping and sampling with			
				AUV and/or ROV visual and biota sampling, ROV			
				geotechnical sampling and measurements,			
				Moorings, mini-Landers maintenance and data			
				recovery, additional Environmental baseline			
				data collection/ utilise harvesting tech testing			
		Campaign#5 / Cruise#4/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
	52	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,189,980**
				Box Coring and possibly bulk sampling/ utilise			
				harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
		Campaign#5 / Cruise#5/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
1	53	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**

					1	
			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			Moorings, mini-Landers maintenance and data			
			recovery, additional Environmental baseline			
			data collection/ utilise harvesting tech testing			
	Campaign#5/ Cruise#6/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
54	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,009,680**
54	harvesting reen resting		Box Coring and possibly bulk sampling/ utilise		15 0833	\$1,005,000
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
	Campaign#5 / Cruise#7/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
55	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$829,380**
55					15 uays	3029,300
			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			Moorings, mini-Landers maintenance and data			1
			recovery, additional Environmental baseline			
			data collection/ utilise harvesting tech testing			
	Campaign#5/ Cruise#8/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
56	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,009,680**
50			Box Coring and possibly bulk sampling/ utilise		15 duys	<i>Ş1,003,000</i>
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if		
	Campaign#5 / Cruise#9/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		
57	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**
57					15 uays	\$649,080
			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			
			geotechnical sampling and measurements,			
			Moorings, mini-Landers maintenance and data			
			recovery, additional Environmental baseline			
			data collection/ utilise harvesting tech testing			
	Campaign#5 / Cruise#10/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
58	Harvesting Tech Testing	Testing Vessel*	technology tests		15 days	\$1,189,980**
50	narvesting retil resultg		Box Coring and possibly bulk sampling/ utilise		13 0093	,1,10 <i>3,3</i> 00
			harvesting tech testing vessel for	15-25 box cores, bulk sample material if		1
	Campaign#5 / Cruise#11/	Small vessel (~40m)/ Harvesting Tech	engineering/environmental harvest technology	required Engineering/environmental harvest		1
59	Harvesting Tech Testing	Testing Vessel*	tests	technology tests	15 days	\$649,080**
55		ויבאנווע עבאבו			13 uays	
			High resolution mapping and sampling with			
			AUV and/or ROV visual and biota sampling, ROV			1
			geotechnical sampling and measurements,			1
			Moorings, mini-Landers maintenance and data			1
			recovery, additional Environmental baseline			1
			data collection / utilise harvesting tech testing			
			and concertony atmoc harvesting teen testing	1	1	1
	Campaign#5 / Cruise#12/	Small vessel (~40m)/ Harvesting Tech	vessel for engineering/environmental harvest			
60	Campaign#5 / Cruise#12/ Harvesting Tech Testing	Small vessel (~40m)/ Harvesting Tech Testing Vessel*	vessel for engineering/environmental harvest technology tests		15 days	\$1,009,680**

\* Pre-existing vessel may be used for Harvesting Tech Testing pending the vessel's capabilities and data required.

\*\* Harvesting tech testing budget not included (to be determined)