

PROJECT TITLE	Sample
PROJECT MANAGER	

PRINCIPAL INVESTIGATOR	Andrea Fassbender
DATE - VERSION	13 April 2017 - Ver. 1

TASK TITLE		TASK RESOURCES	TECHNICIAN RESOURCES	MACHINE SHOP	SHOP DURATION	PCT OF TASK COMPLETE	1st qtr			2nd qtr			3rd qtr			4th qtr		
							Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
Project Requirements							1	2	3	4	1	2	3	4	1	2	3	4
Assemble requirements and verify					WKS	100%												
Decision on Equilibration vs Extraction		ME, EE, SE, SoTech			2	0%												
Design new system architecture block diagram		ME, EE, SE, SoTech			4	0%												
Concept of operations						0%												
Mooring operations		ME, EE, SE, SoTech				0%												
Wave glider operations		ME, EE, SE, SoTech				0%												
Build system engineering specifications						0%												
Detailed Technical Specifications		ME, EE, SE, SoTech				0%												
Concept Design																		
Systems block diagram - updated		ME, EE, SE, SoTech				0%												
Research Components						0%												
Valves		ME, SoTech				0%												
Computer		EE, SE				0%												
Communications		EE, SE				0%												
Wave glider available configurations (w/ power)		ME, EE, SE, SoTech				0%												
Components still TBD for eval		ME, EE, SE, SoTech				0%												
Revised system documents						0%												
Power budget calculations/heat		ME, EE, SE				0%												
System weight and balance spreadsheet		ME, EE, SE, SoTech				0%												
Revised System Specifications		ME, EE, SE, SoTech				0%												
Preliminary Test Plans						0%												
Bench testing		ME, EE, SE, SoTech				0%												
Tide testing		ME, EE, SE, SoTech				0%												
At sea testing		ME, EE, SE, SoTech				0%												
Concept design review						0%												
Science slides		So Tech w/ PI				0%												
Integrated System design		ME, EE, SE, SoTech				0%												
ME detail slides		ME				0%												
EE detail slides		EE				0%												
SE detail slides		SE				0%												
Preliminary Design																		
Systems block diagram - updated						0%												
Research Components						0%												
Valves		ME, SoTech				0%												
Computer		EE, SE				0%												
Communications		EE, SE				0%												
Wave glider available configurations (w/ power)		ME, EE, SE, SoTech				0%												
Components still TBD for eval		ME, EE, SE, SoTech				0%												
Revised system documents						0%												
Power budget calculations/heat		ME, EE, SE, SoTech				0%												
System weight and balance spreadsheet		ME, EE, SE, SoTech				0%												
Revised System Specifications		ME, EE, SE, SoTech				0%												
Equalizer / Extractor Design						0%												
Equalizer / Extractor Tube Design		ME, SoTech				0%												
Intake design		ME, SoTech				0%												
Air Sampler Design		ME, SoTech				0%												
Internal Flow Design		ME, SoTech				0%												
Loor #40480 Purchase (or alternate)		So Tech				0%												
Communications Sub-system Design						0%												
Communications Housing Design		ME				0%												
Internal Electronics - Wiring Diagram		EE				0%												
Internal Electronics Rack		ME, EE				0%												
Communications Ext Purchase w/ Antenna		EE, SE				0%												
Connective Purchase		ME, EE				0%												
Main Electronics Design						0%												
Housing		ME				0%												
Component rack		ME, EE				0%												
Computer Selection		EE, SE				0%												
Power Supply (possible custom for 0 and power)		EE, SE(mayb)				0%												
Connective Purchase		ME, EE				0%												
Power System Design						0%												
Battery Selection		ME, EE, SE				0%												
Charging System		ME, EE, SE				0%												
Housing		ME				0%												
Component rack		ME, EE				0%												
Computer Selection and purchase		EE, SE				0%												
Power Management Board		EE, SE(mayb)				0%												
Connective Purchase		ME, EE				0%												
Calibration System		ME, So Tech				0%												
Bench Test of Loor ability with Temp		ME, SoTech				0%												
Results into look up table for SE to implement (TBC)		ME				0%												
Design of Calibration Gas system		ME				0%												
Purchase gas tank		SoTech				0%												
Purchase gas components		SoTech				0%												
Preliminary Design Review						0%												
Science slides		So Tech w/ PI				0%												
Integrated System design		ME, EE, SE, SoTech				0%												
ME detail slides		ME				0%												
EE detail slides		EE				0%												
SE detail slides		SE				0%												
Updated Test Plans		ME, EE, SE, SoTech				0%												
Purchase long lead items		ME, EE, SE, SoTech				0%												
Critical Design Update Drawings and Build																		
Systems block diagram - update per Prelim review						0%												
Purchase Components						0%												
Valves		ME, SoTech				0%												
Computer		EE, SE				0%												
Communications		EE, SE				0%												
Components still TBD for assembly and test		ME, EE, SE, SoTech				0%												
Materials for build, assembly and test		ME, EE, SE, SoTech				0%												
Review system documents per Prelim review						0%												
Power budget calculations/heat		ME, EE, SE, SoTech				0%												
System weight and balance spreadsheet		ME, EE, SE, SoTech				0%												
Revised System Specifications		ME, EE, SE, SoTech				0%												
Equalizer / Extractor Build						0%												
Equalizer / Extractor Tube Build		ME, SoTech				0%												
Intake Build		ME, SoTech				0%												
Air Sampler Build		ME, SoTech				0%												
Internal Flow Build		ME, SoTech				0%												
Communications Sub-system Design						0%												
Communications Housing Build		ME				0%												
Internal Electronics - Wiring Diagram Update		EE				0%												
Internal Electronics Rack Build		ME, EE				0%												
Communications Ext w/ Antenna Build		EE, SE				0%												
Wiring Harness Build		ME, EE				0%												
Main Electronics Build		ME				0%												
Housing Build		ME				0%												
Component rack build		ME, EE				0%												
Computer - Bench test		EE, SE				0%												
Power Supply - Build or Buy		EE, SE(mayb)				0%												
Wiring Harness Build		ME, EE				0%												
Power System Build						0%												
Battery Purchase (may be done if long lead)		ME, EE, SE				0%												
Charging System - Build or Buy		ME, EE, SE				0%												
Housing Build		ME				0%												
Component rack build		ME, EE				0%												
Computer - Bench test		EE, SE				0%												
Power Management Board		EE, SE(mayb)				0%												
Wiring Harness Build		ME, EE				0%												
Calibration System		ME, So Tech				0%												
Bench Test sub-system and environmental tests		ME, So Tech				0%												
Reusable code and test (TBC)		ME, SoTech				0%												
Assemble Gas system components		ME				0%												
Bench Test of Calibration Gas system		SoTech				0%												
Critical Design Review																		
Science slides		So Tech w/ PI				0%												
Integrated System design		ME, EE, SE, SoTech				0%												
ME detail slides		ME				0%												
EE detail slides		EE				0%												
SE detail slides		SE				0%												
Updated Test Plans		ME, EE, SE, SoTech				0%												
System Integration and Test																		
Full System Integration		ME, EE, SE, SoTech				0%												
Dry Lab Testing - verify operation and software		ME, EE, SE, SoTech				0%												
Wet Testing - float test in tank		ME, EE, SE, SoTech				0%												
Small Boat Test - overboard in sea water		ME, EE, SE, SoTech				0%												
System Integration to test Mooring		ME, EE, SE, SoTech				0%												