

OUR PUSH TO BUILD FRED JR.

We are building our 16-foot FRED Fr. Prototype utilizing two used donated catamarans. The first catamaran, Maddog FRED, is named after the nickname of its prior owner. Maddog is the platform for building FRED's solar power subsystem, autonomous navigation and remote-control capabilities, and sensor integration. The second catamaran is called Prindle after its manufacturer, which no longer exists. The Prindle is the platform for our debris collection subsystem, stabilizing frames, and debris storage and offloading.



Once these two FRED prototype platforms are fully assembled and thoroughly tested, we will lift the Maddog configuration from its hulls and implement it on the Prindle catamaran. Once the two platforms are fully integrated to make FRED Jr., we will test and operate in local marine environments. We were hoping to complete FRED Jr. by the end of 2019, but given our minimal funding and reliance on part-time work by student interns and volunteers, we expect FRED Jr. testing in San Diego waters in January 2020.

OUR PUSH TO SPREAD AWARENESS OF OCEAN PLASTIC



November 20-22. Susie attended MIT's ocean plastics conference; she spoke at the Innovation and Remediation Panel to introduce Clear Blue Sea and our FRED Innovation; Networked with a diverse set of conference attendees, including experts from academia, government, industry, nonprofits, and advocacy groups. Clear Blue Sea's FRED was the only nonprofit cleanup organization invited to present. Videos were taken of all the sessions and are posted on YouTube" (https://www.youtube.com/playlist?list=PLp7WDpN7ksM_jcZPFMpiMA6pjKYXAzBRa)

NETWORKING AT BLUE TECH WEEK

As a member of Scripps Corporate Alliance, Clear Blue Sea staff was invited to attend the first day of the conference held at Scripps. Tim, Zane, and Venezia met innovators and advocates for ocean conservancy. Dr. Jenni Brandon and Dr. Dimitri Deheyn, Scripps mentors to Clear Blue Sea, presented their research on ocean plastic and microfibers.



CLEAR BLUE SEA WINS \$2500 GRANT FROM GOLDMAN SACHS

Clear Blue Sea was asked to participate in the *Goldman Sachs Gives* Analyst Impact Fund, a global competition among GS teams to advocate for the nonprofits of their choice. Out of 375 submissions, we were informed “Clear Blue Sea placed 13th through 25th place and will receive a grant of \$2,500”.

PROJECT MANAGEMENT TRAINING FOR OUR STEM STUDENT INTERNS

Clear Blue Sea provides our student interns and volunteers with training and mentoring in project management. Our engineering and non-engineering projects all have project plans for which the teams report weekly performance. This is to enable Clear Blue Sea management to better monitor and support our project teams in meeting specific objectives. The dashboard template is below.

CLEAR BLUE SEA - PROJECT PERFORMANCE DASHBOARD				
PROJECT GOAL:	DUE:		KEY ISSUES/COMMENTS:	
KEY TASKS COMPLETED WEEK OF:		KEY TASKS PLANNED FOR NEXT WEEK:		
<ul style="list-style-type: none"> • X • X • X 		<ul style="list-style-type: none"> • X • X • X 		
PROJECT HEALTH FACTORS	GREAT	OKAY	NOT GOOD	REASON FOR RATING
Schedule				
Budget				
Teamwork				
Communication				
Work Quality/No Rework				
Safety				

Please spread awareness of the ocean plastic crisis and our efforts for ocean cleanup.
FRED would appreciate your financial support to become itself more quickly!
 Please Donate at ClearBlueSea.org