PREPARING FOR SEA LEVEL RISE AT SHORELINES

MELTING ICECAPS, WARMER OCEANS, BIGGER STORMS, WITH 50% OF THE POPULATION LIVING ON THE COASTS.



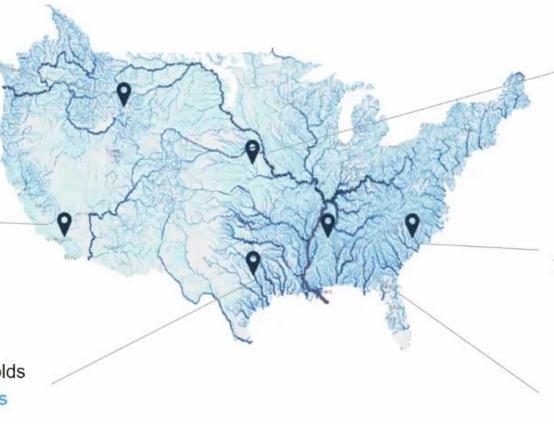


We believe that flooding is the defining issue of our time, affecting everyday Americans across all states

Since 2015, flooding has caused **\$1 billion in annual** damages on average to the Northern Rockies and Plains

Post-fire flash flood in 2018 and 2019 in Santa Barbara County killed 23 people and caused \$200 million in property damage

Hurricane Harvey caused **\$125 billion** in damage, but HUD's high damage thresholds **excluded 2/3** of very **low-income Texans** from relief



Floods in 2019 ruined 20 million acres of farmland in the Midwest, causing an estimated \$1 billion in crop and livestock losses in Nebraska alone

Congress spent over **\$3B to** rebuild two Marine Corps facilities in North Carolina after Hurricane Florence in 2018

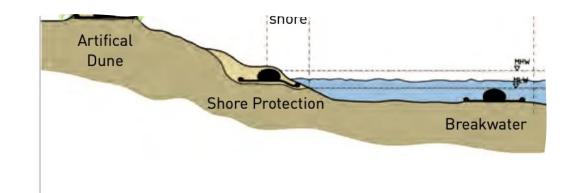
51% of waterborne disease outbreaks across the country were preceded by flooding







SoilTain Tube system for coastal protection exhibits exceptional performance with regard to all important aspects of a coastal protection system.



Shore stabilization possibilities with SoilTain Tubes including scour apron parallel to the coastline



SoilTain Tube as groyne with rock cover and protective non-woven



SoilTain Tube as artificial reef breakwater

Floating sluc transport pi lines



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Plan Bay Area 2050: Adapt to Sea Level Rise Strategy

Estimated Cost of Climate Adaptation Projects Across Region

Bay Area Resiliency Projects

(in millions of \$YOE)

Category	Units	Subtotal				
Marsh Restoration	100,000 acres	\$6,539				
Ecotone Levees	58 miles	\$2,413				
Traditional Levees	68 miles	\$2,534				
Seawalls	13 miles	\$1,006				
Elevated Roadways	11 miles	\$4,795				
Tidal Gates	23 units	\$152				
Relocation Funds	1,390 homes	\$1,815				
TOTAI	\$19,255					





96.0% Study Area at Direct Risk Benefited

Feature Type	Approx. Miles						
Storm Surge Barriers	7.4						
Shoreline Based Measures	24.2						
Induced Flooding- Mitigation Features	22.5						
Risk Reduction Features (not shown)	36.2						
Alternative							
First Cost (\$B):	\$ 112.3						
Total Present Value Cost (\$B):	\$ 150.2						



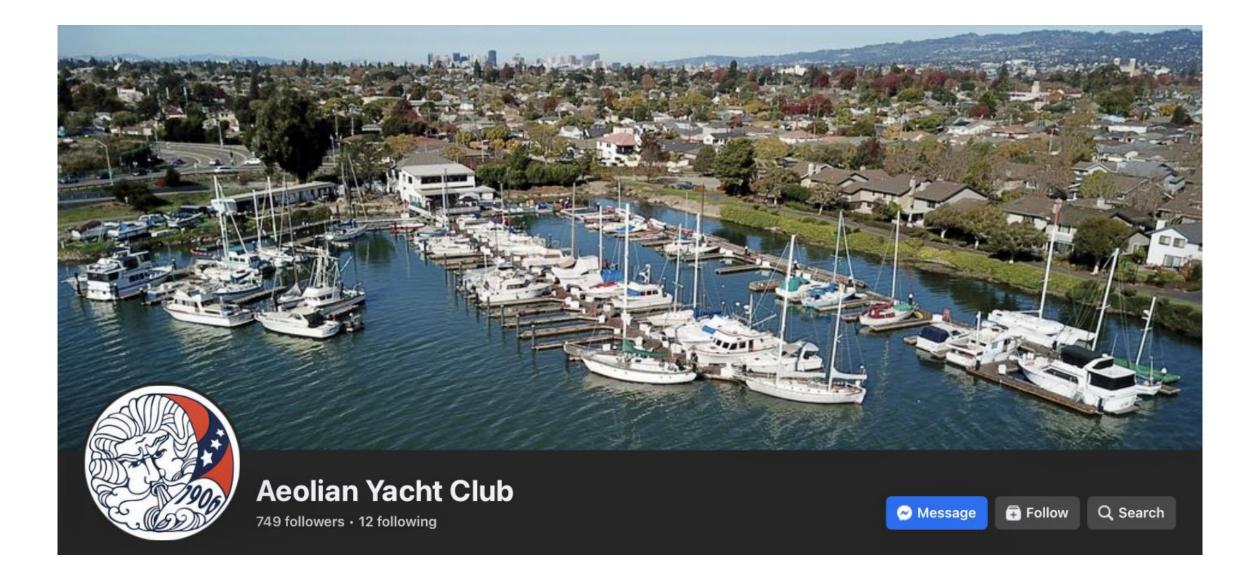
TenCate Geotube® GC1200 Series Durability Engineered Composites

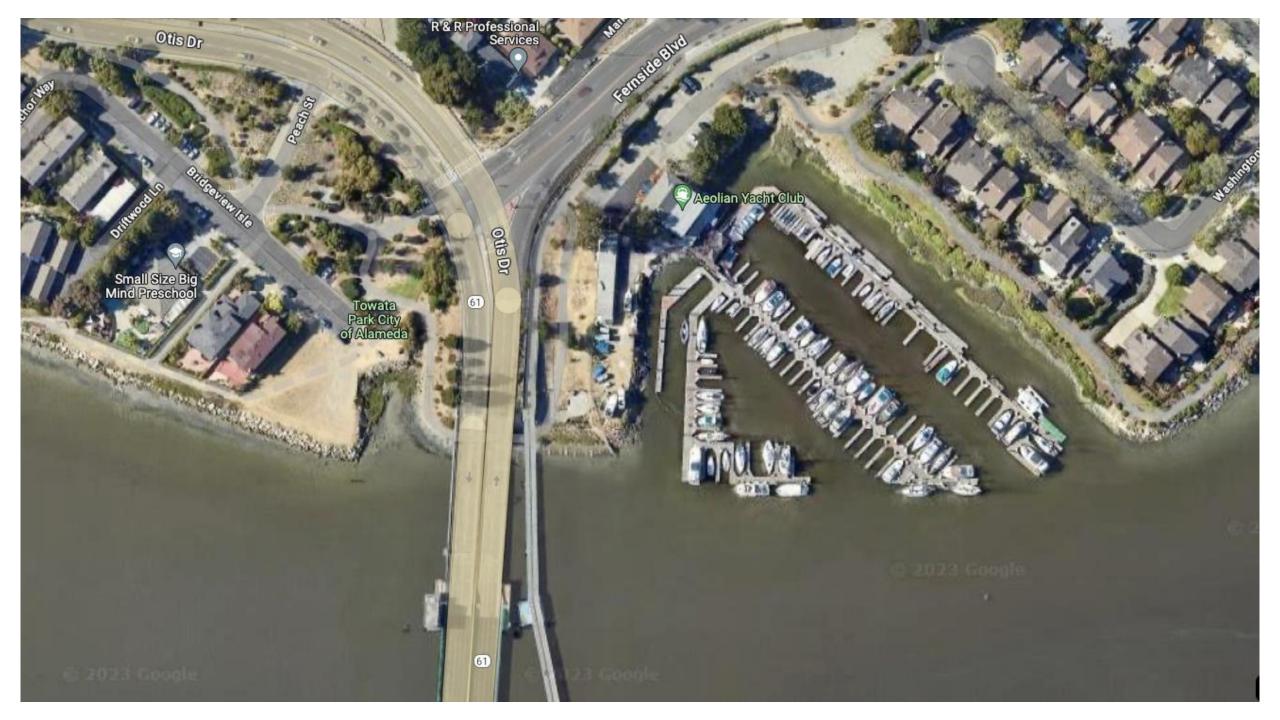


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Position	Equipm't Operating Reamnts	Conceptual Design	Detailed Design	Contracting	Quality As urance	Operations Managmnt	Dredging Technology	Sediment Dynamics	Beneficial Upgrading of Sediments	Marine Spreads, Transport & Facilities	Image and Strategy	Media / Message	Proposals	Operating Procedures	Dedging Operations	Training	Reporting / Control	Procurement & Contracting	Finance / Accounting	Human Resources	Audit, IP, Legal, etc.	Permitting		
Coordinator	Mel Friedman							1		į														
Operations Manager	John Crowson																							
Technical Support	Doug Thompson																							
Facilities & Logistics	Joe McDermott											(1		
Design & Integration	Bryan Longhurst																							
Proposals Manager	Peter Crossland							1																
Business Manager	Joel Friedman							1	l I													1		
Permitting	James Coats			1					1	1					1				[—]			Į.		
Business Development	Graham Heaton																		5					
Health, Safety and Environment	Not Yet Staffed																							
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"Innovation in Dredging"

DREDGING PROJECT MANAGEMENT & ADMINISTRATION





Port Of Point San Pablo

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Standaron

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Stemmarkon

Claybirds Studio

Sailing Goat

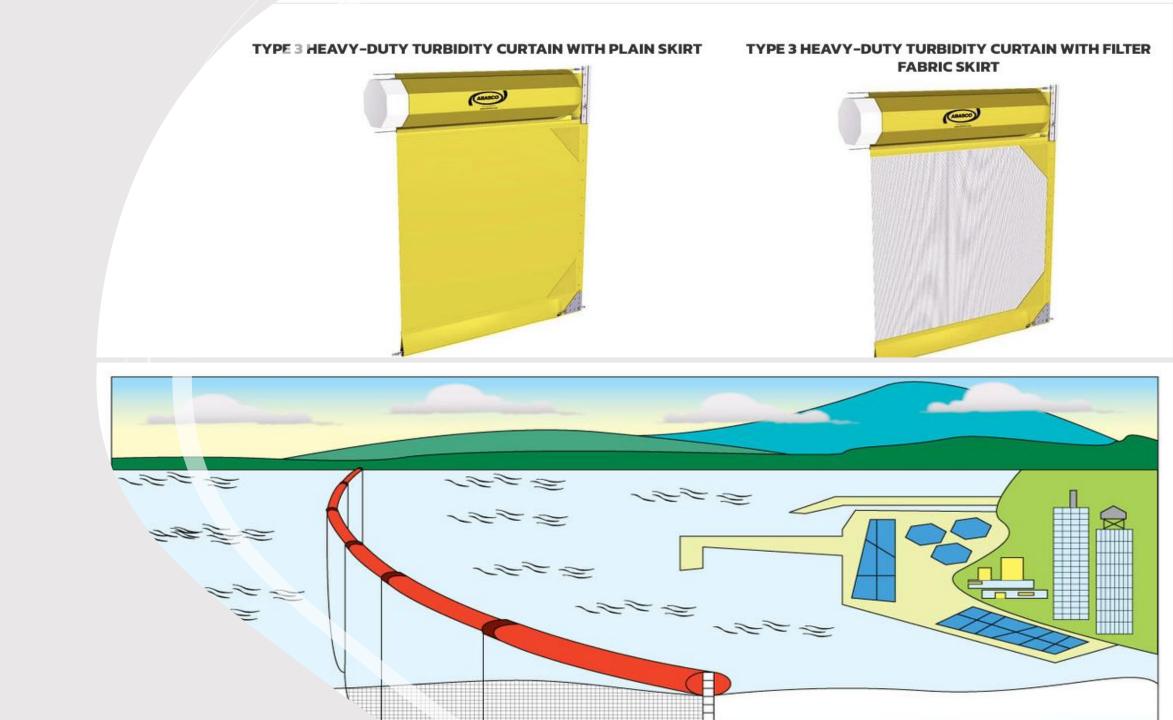
POINT SAN PABLO HARBOR

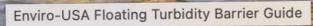
Point San Pablo Harbor

Point San Pablo Vacht Harber



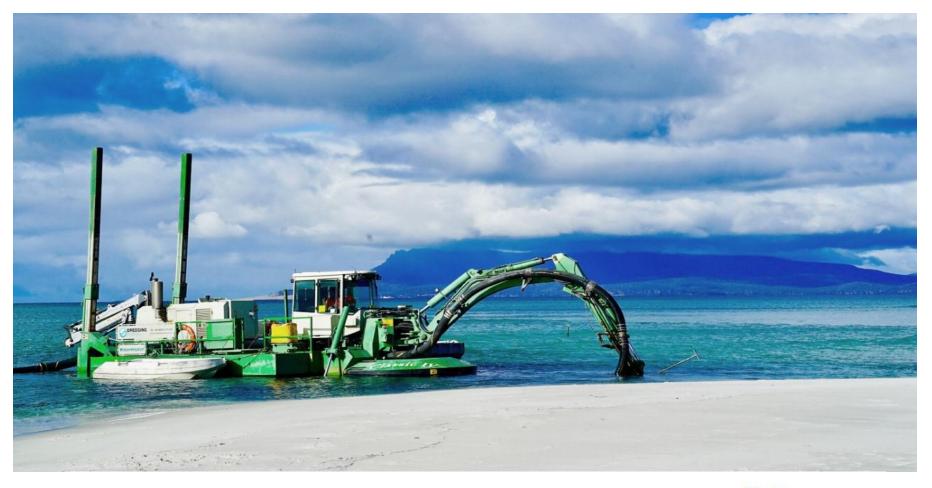






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