

2013 Pacific Inventory Study

- 1. Database of historical shipwrecks
- 2. Coastal Properties database
- 3. Predictive Model of Submerged Landforms

Inventory and Analysis of Coastal and Submerged Archaeological Site Occurrence on the Pacific Outer Continental Shelf

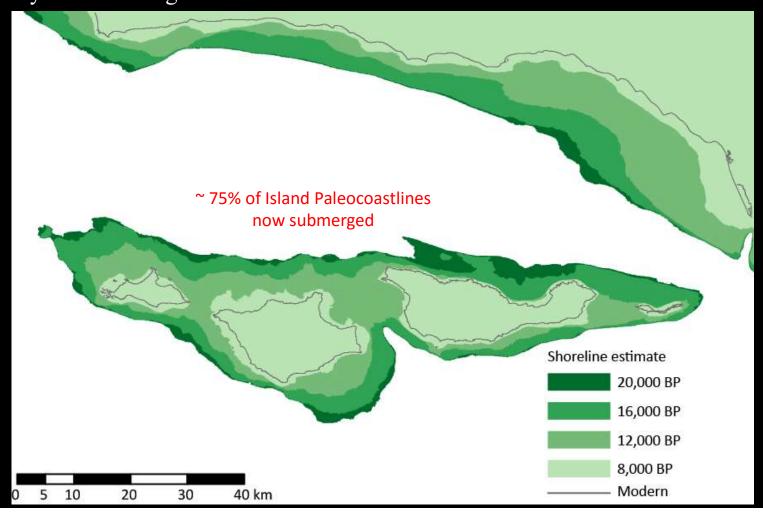


U.S. Department of the Interior Bureau of Ocean Energy Management Pacific OCS Region



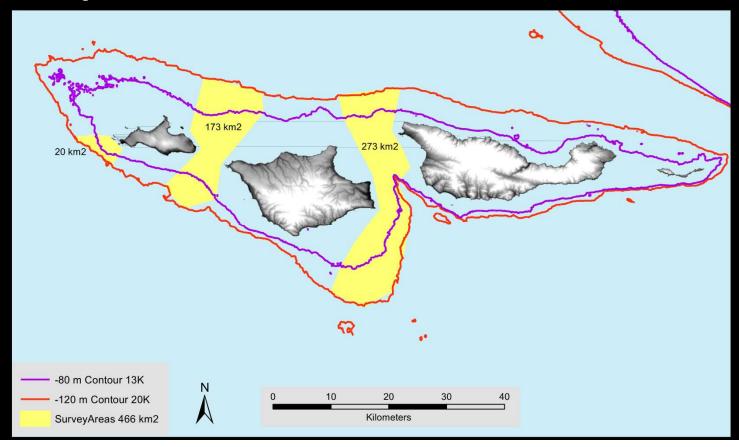
Purpose and Goals:

- Identify submerged geological landforms that may contain evidence of human activity and evaluate trophic subsidy near submerged features
- Help avoid ancient Chumash sites and critical biological resources in future offshore development work



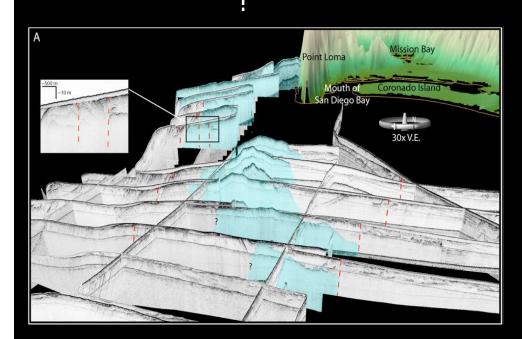
Phase 1:

- Evaluate existing remote sensing data, synthesize geological, geophysical, and biological data from offshore southern California
- Refine local sea level models over the last 20,000 years
- Build a predictive model



Phase 2:

• Geophysical Surveys of four high probability areas (sidescan sonar, sub-bottom) !



• Terrestrial surveys and limited sampling of eroding deposits to help build a "roadmap"



Phase 3:

 Collect small core samples from these high probability areas

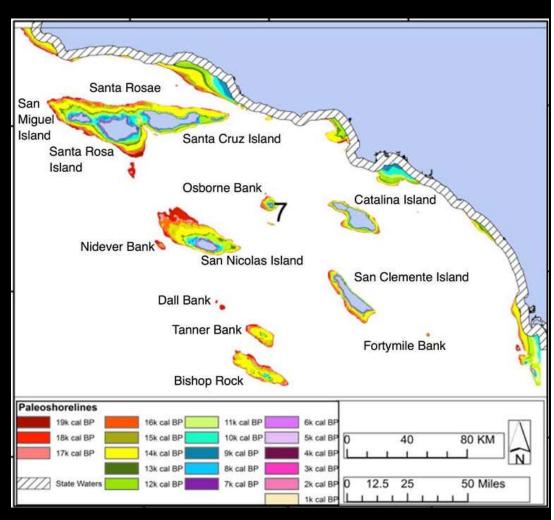




Phase 3:

- Analyze new data for indicators of human activity and biological resources associated with paleolandforms.
- Develop a model that can be used to interpret seafloor maps in other areas along the Pacific Coast.
- Help avoid areas that may contain important paleolandforms in the future.





Timeline:

2015		20	16	2017				
Sep-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
Data Synthesis								
Modeling Building								
Terrestrial and		ield Surveys (0						
		Geophysical F	eld Surveys ar	nd Coring (CA)				
		Geophysical F	eld Surveys ar	nd Coring (OR)				
2018			2019					
Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
					Data Analy	ysis and Mod	lel Refinement	

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