

Blue Carbon Collaborative

12.14.20

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Welcome



Meeting Objectives:

- 1) Share Blue Carbon Projects and Priorities in California
- 2) Discuss Need and Value of Creating a Blue Carbon Collaborative (BCC)
- 3) Identify Enabling Conditions for Blue Carbon in California

Meeting Agenda:

3:00pm	Introductions <ul style="list-style-type: none">• Participants briefly introduce themselves
3:20pm	WILDCOAST Shares Overview on Current Relevant Work in San Diego County and BCC Vision <ul style="list-style-type: none">• Input from participants on BCC vision and future outcomes
3:45pm	Discuss Barriers, Needs, and Opportunities in California for Blue Carbon <ul style="list-style-type: none">• Input from participants
4:25pm	Next Steps
4:30pm	End of Meeting

Brief Introductions

- Name
- Position
- Short statement on why you are interested in Blue Carbon



Blue Carbon Projects & BCC Vision



Current Blue Carbon Projects in San Diego County



Blue Carbon Collaborative Vision



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An aerial photograph of a coastal region. In the foreground, there is a large, green, marshy area with some palm trees and other vegetation. A railway track runs diagonally across the middle ground. In the background, there are residential buildings, a parking lot with several vehicles, and a body of water. A long pier or bridge extends into the water on the right side. The sky is clear and blue.

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SAN DIEGO COUNTY BLUE CARBON ASSESSMENT

- Measure how much carbon is stored in salt marsh wetlands in the county with the Center for Climate Change Impacts and Adaptation at SIO
- Identify at-risk blue carbon wetland areas
- Identify areas for restoration (riparian and wetland) to enhance blue carbon storage (landowner/management, mitigation, accessibility/permitting)
- Guide restoration to maximize carbon storage in San Diego County wetlands
- California Blue Carbon Collaborative
- Scale-up effort in California

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center for
**Climate
Change
Impacts and
Adaptation**

at Scripps Institution of Oceanography
UC San Diego



CARBON UPTAKE CAPACITY IN BCE CAN BE REDUCED BY:

INCREASE IN NUTRIENTS - PLANT MORTALITY, EROSION, SEDIMENT LOSS

OVERHARVESTING OF PREDATORY FISH AND INCREASE OF BIOTURBATORS

HYDROLOGICAL CHANGES CAN LEAD TO DECREASE OR INCREASE IN SEDIMENT

- **AVOID THE INSTALLATION OF STORMWATER PIPES AND OUTFALLS NEAR BCES**
- **IMPLEMENT BEST-PRACTICE AGRICULTURAL METHODS (REDUCING FERTILIZER WASTE)**
- **REMOVE COASTAL BARRIERS THAT LIMIT NATURAL TIDAL EXCHANGE, CARBON SUPPLY, AND SHOREWARD MIGRATION**
- **MAINTAIN/EXPAND NO TAKE RESERVES (MPAS)**
- **RESTORE RIPARIAN HABITAT TO ALLOW UPLAND MIGRATION**

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CALIFORNIA BLUE CARBON COLLABORATIVE:

LEVERAGE KNOWLEDGE AND RESOURCES

AGGREGATE BLUE CARBON PROJECTS

**STREAMLINE PERMIT PROCESS AND ACCESS TO BLUE
CARBON SITES**

IDENTIFY OPPORTUNITIES FOR RESEARCH AND RESTORATION

BCC Vision Input



Questions






Does the Vision resonate with your organizational needs?



What would you like to see the BCC accomplish in the next year?



Enabling Conditions for Blue Carbon in CA

-  What are the current barriers to implementing Blue Carbon projects?
-  What are the needs to overcome these barriers? Other needs?
-  What are the opportunities in CA for Blue Carbon projects?



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Next Steps





Thank you

Contact us:



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