



Tidal Wetlands Are Efficient Carbon Sinks

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...and provide many other coastal wetland co-benefits—all for free.



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Tidal wetland conservation and restoration should be our highest blue carbon priorities.

...while also facilitating the movement of these wetlands into “landward migration zones” to ensure their survival in the face of sea level rise.



***Forested Tidal Wetlands Store More Carbon
Than Almost Any Other Ecosystem on Earth***

*Unfortunately, we've managed historically to
lose over 90% of those wetlands in Oregon*

*...so restoration of those habitats where
possible should be an especially high priority,
while making sure we're protecting all
remaining forested tidal wetlands..*

Natural Climate Solutions Tools



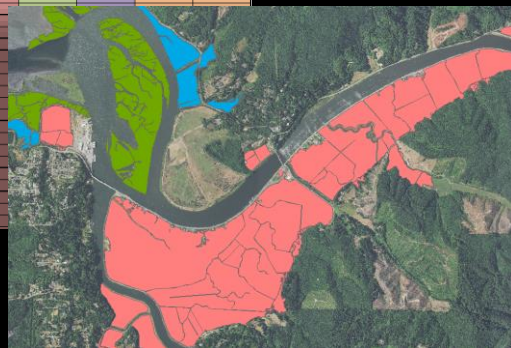
PNW Blue Carbon Database: easily accessible comprehensive and up to date blue carbon data

Blue Carbon Mapping: for landscape-level restoration and conservation planning and for improved greenhouse gas emissions inventories

Blue Carbon Calculator: for restoration and conservation planning and minimizing/avoiding additional losses of carbon sequestering coastal wetlands.

Forested Tidal Wetland Conservation and Restoration Mapping: to facilitate the restoration of forested tidal wetlands.

Location	Soil Type	MA DEP Wetland Category	Wetlands Destruction		Wetlands Restoration			
			Wetland area to be gattacted	Wetland area to be drained	Recreated wetland area	Saturated area prior to project	Saturated area post project	
			(acres)	(acres)	(acres)	(acres)	(acres)	
Organic		PHRAGMITES DOMINATED - WETLAND						
		SALT MARSH - HIGH						
		SALT MARSH - LOW						
		BARRIER BEACH BOG						
		BARRIER BEACH-SALT MARSH						
		BARRIER BEACH-DEEP MARSH						
		BARRIER BEACH-MARSH						
		BARRIER BEACH-SHRUB SWAMP						
		BARRIER BEACH-WOODDED SWAMP DECIDUOUS						
		BARRIER BEACH-WOODDED SWAMP CONIFEROUS						
		BARRIER BEACH-WOODDED SWAMP MIXED TREES						
		OPEN WATER (SALT)						
		BARRIER BEACH-OPEN WATER						
	Coastal Wetland		PHRAGMITES DOMINATED - WETLAND					
			SALT MARSH - HIGH					
		SALT MARSH - LOW						
		BARRIER BEACH BOG						
		BARRIER BEACH-SALT MARSH						
		BARRIER BEACH-DEEP MARSH						
		BARRIER BEACH-MARSH						
		BARRIER BEACH-SHRUB SWAMP						
		BARRIER BEACH-WOODDED SWAMP DECIDUOUS						
		BARRIER BEACH-WOODDED SWAMP CONIFEROUS						
		BARRIER BEACH-WOODDED SWAMP MIXED TREES						
		OPEN WATER (SALT)						
		BARRIER BEACH-OPEN WATER						
		TIDAL FLAT						
		COASTAL BEACH						
	COASTAL DUNE							



MA Division of Ecological Restoration BC calculator