

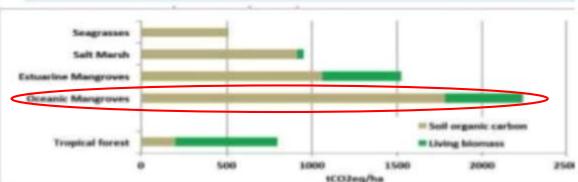
What is Blue Carbon?

 occupying only 2% of the seabed area, vegetated wetlands (seagrass, mangroves, saltmarsh) represent 20% of the carbon transfer from oceans to sediments.

Sequestration Carbon deserte in the strongs respective at Store of the strongs respective, and rocks of the plants. Some control is tost back to the strongs respective, and rocks of the plants.

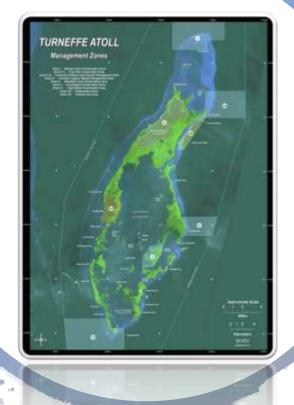
Storage

Exect leaves, branches, and roots containing carbon are bursed in the soil, of soft is telegonity, if not always, covered with tidel waters. This oxygen poor environment causes very slow brook down of the plant materials, resulting in significant carbon storage.



"Own is per unit area, where KOOsepha is now of carbon disside equivalents per hecture

Source Microso, Brown, Linearced Percellation, NL Agrain holders, and Samaretia Siffeet. 2011. Green Payments for Blue Carloon. Economic Incidences for Posterior, Victorial Nutrition, NL Reduction, NL Reduction,







The annual storm protection value of mangroves, seagrasses, and coral reefs in Belize has been estimated at \$1.75 billion per year (BZ\$3.5 billion) by the Natural Capital Institute using the InVEST model.

Mangroves cover an estimated 11,000 acres of TAMR

Turneffe Atoll Marine Reserve



Map 1: Location of Furneffe Atoli



Belize city is a small but growing city protected by largely undeveloped barrier islands and coral atolls home to healthy mangroves. Protecting these habitats from further development will sustain fisheries, generate carbon credits and protect lives and livelihoods from the worse effects of major storms.

The annual storm protection value of coral reefs, mangroves, and seagrasses on Turneffe has been estimated at \$191 million USD (BZ\$382 million) per year.

Turneffe Atoll Blue Carbon Feasibility Study Draft report





Table. Summary results over 20 years

Project area	200 hectares
Carbon offsets	106,281 tons
Carbon revenues @ \$10/ton and 5.0% p.a. growth	\$2,028,336
Carbon expenses @ 2.5% p.a. growth	-\$784,442
Carbon cash flows	\$1,243,894
NPV of carbon cash flows @ 4.0%	\$610,168

Prepared For

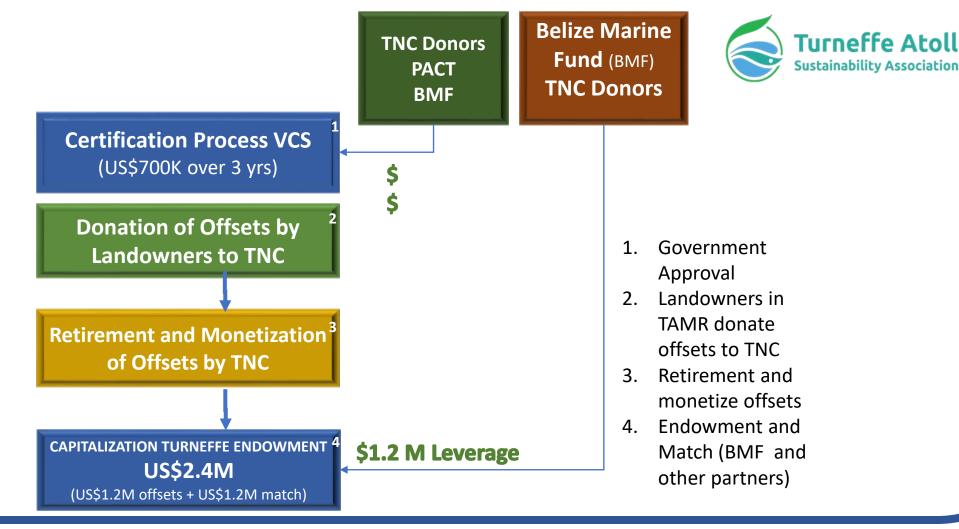
The Nature Conservancy

Author / S. Settelmyer Date / Frebruary 28, 2019



Belize Blue Carbon Project Model Framework Turneffe Private Lands





Continued Work Process

Programming the Donation of Offsets

Joint TNC – TASA Work

Landowners Donation Agreement <

Development by Design (Full Plan)

Work by TNC

Retirement and Monetization of

Offsets by TNC

Agreement for Registry

Agreement on Marketing

Establishment of Project Centers

Development of M and E

Work by TASA

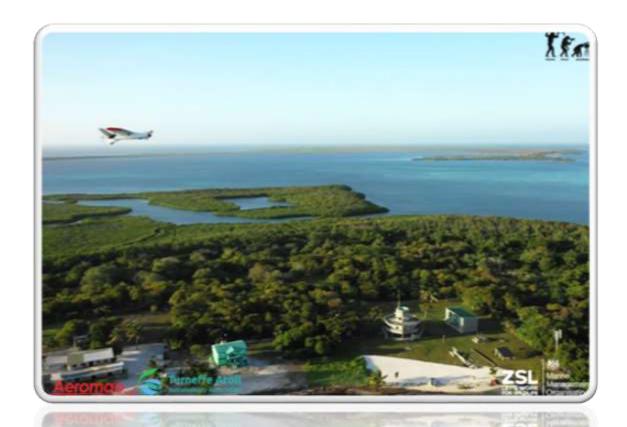
Development of Mangrove Monitoring Plan



Blue Carbon is Part of the Future of Turneffe









Thank you for your attention.