***Sustainable Development**

Green Infrastructure



6001 Highway A1A Indian River Shores, FL 32963 Tel: 321-431-6595

email: riley@mangrove.org

MANGROVE AND CORAL REEF ECOSYSTEMS

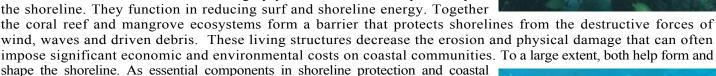
You Tibe Respect the Coral Reef

Coral reef and mangrove ecosystems function in a symbiotic relationship, which enhances tropical and subtropical coastal environments. The health and extent of coral reefs are largely dependent on coastal mangrove forests, which stabilize



shorelines, remove pollutants, improve water quality, and provide nursery habitat that maintain fisheries. If fisheries are degraded due to the destruction or loss of mangrove habitat, then coral reefs will be adversely affected. Corals are correlated with the strength of fisheries and without viable fisheries, coral reef cannot survive.

Barrier reefs are coral reefs extending roughly parallel and in close proximity to



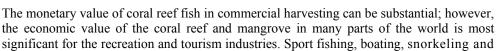
resilience, they buffer entire regions against hydrological forces of the oceans and periodic inclement weather events, such as hurricanes and tropical storms.

The barrier reefs and mangrove forests are also critical in supporting biodiversity and a range of organisms in marine and littoral environments. Commercial and recreational

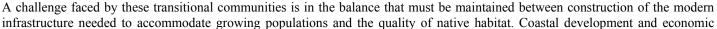


fisheries are renewable economic resources important to indigenous populations and coastal areas for livelihood. A recent study published in the journal Nature, confirmed that mangrove habitat provides critical nursery grounds for juvenile coral reef fish. It was also found that

fish species are more abundant on the coral reefs with associated mangrove tidal wetlands.



scuba diving along with other water sports as-well-as ecotourism have had a significant impact on converting the economic base of fishing villages and towns into travel destinations and ecotourism centers with international appeal.

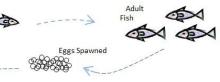




expansion can help build prosperity for local inhabitants but threaten the natural amenities that actually attract visitors. In order to maintain sustainable ecotourism in the economic base, there is a need for long-term vision in the conservation and restoration of surrounding ecosystems required to build resilience and preserve the social-ecological systems that compose coastal population centers.

The following diagram illustrates the mangrove as nursery grounds and critical habitat in the life cycle of coral reef fish.







mangrove.org® Patented Coastal Reforestation Technology - mangrove habitat creation, ecosystem restoration, shoreline stabilization & ecological funeral.