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The Nature Conservancy



National Environment and Planning Agency



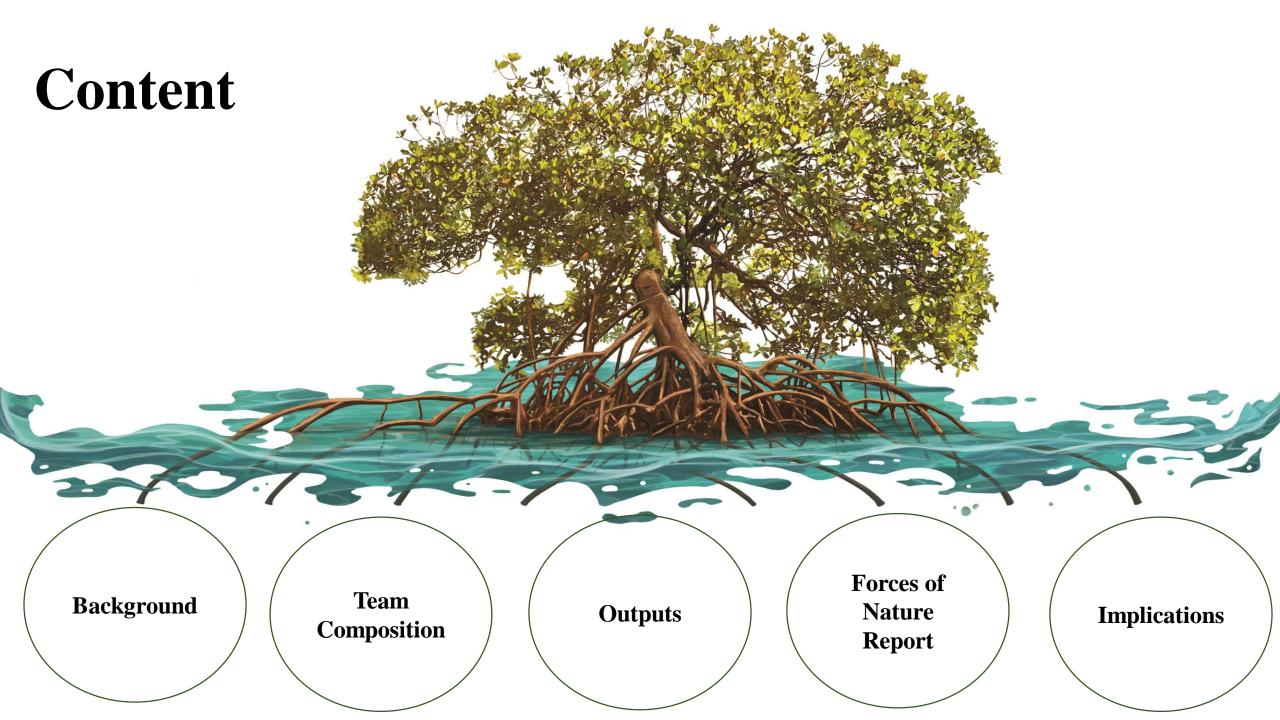




THE UNIVERSITY OF THE WEST INDIES AT MONA, JAMAICA

FORCES of MAIND

Assessment and Economic Valuation of Coastal Protection Services Provided by Mangroves in Jamaica





Jamaica

Photo: Simone Lee







DVRP and analytics

Photo: Simone Lee



Jamaica Disaster Vulnerability Reduction Project (DVRP) 2016

Component 1: Understanding Risk

- NRIP
- Coastal Risk Atlas*
- Multihazard risk assessments

ACP EU Grant 2017: "Coastal Management and Beach Restoration Guidelines"





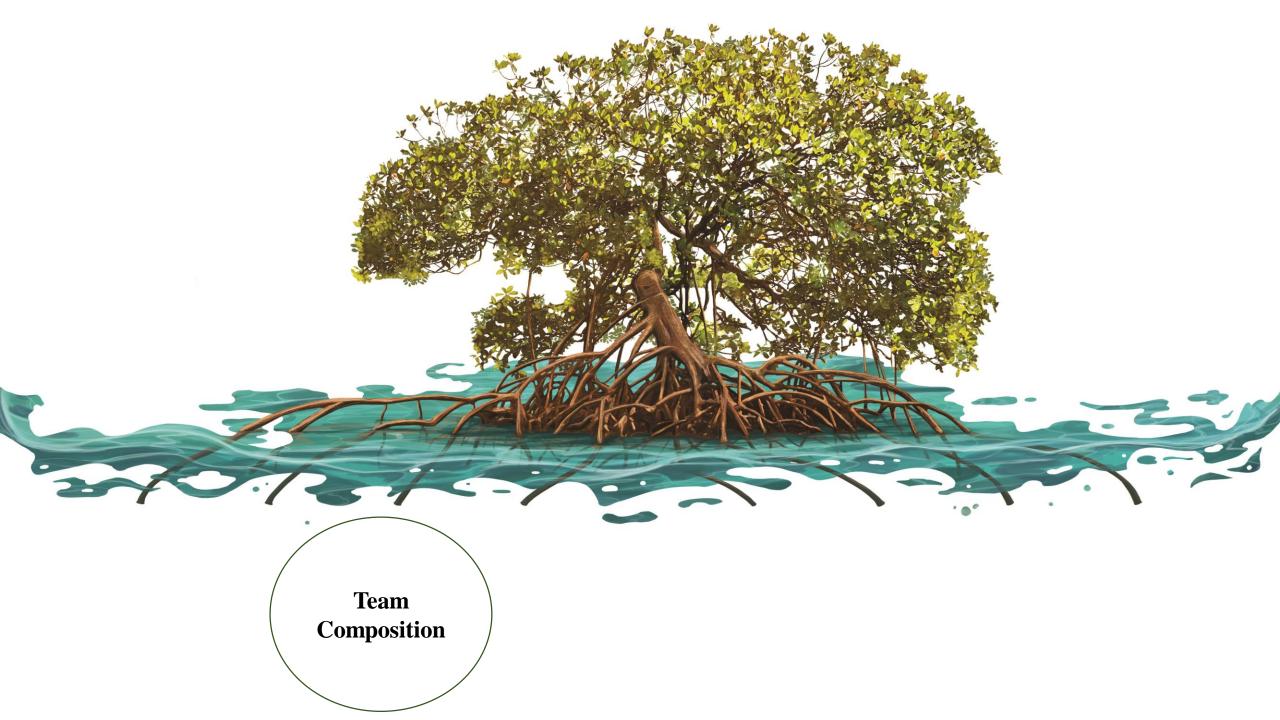


PROFOR Grant



Assessment and Economic Valuation of Coastal Protection Services Provided by Mangroves in Jamaica

Objective: To provide and evaluate the ways in which mangrove ecosystems are protecting coastal communities from natural hazards such as storms, coastal inundation and shoreline erosion









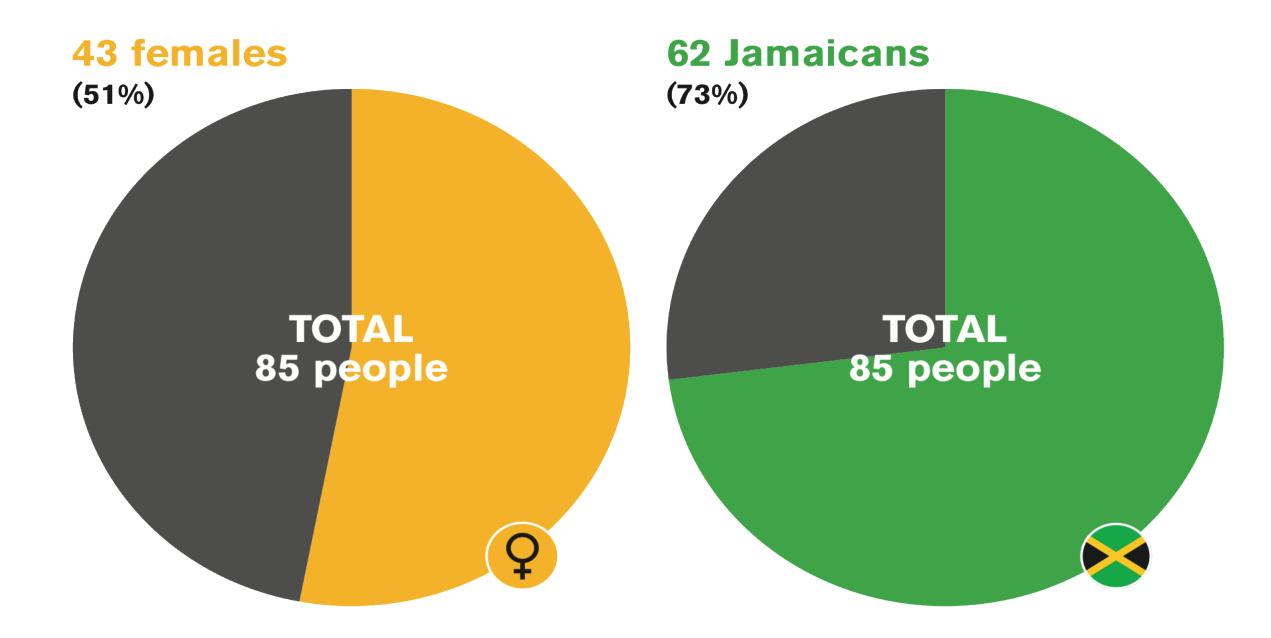


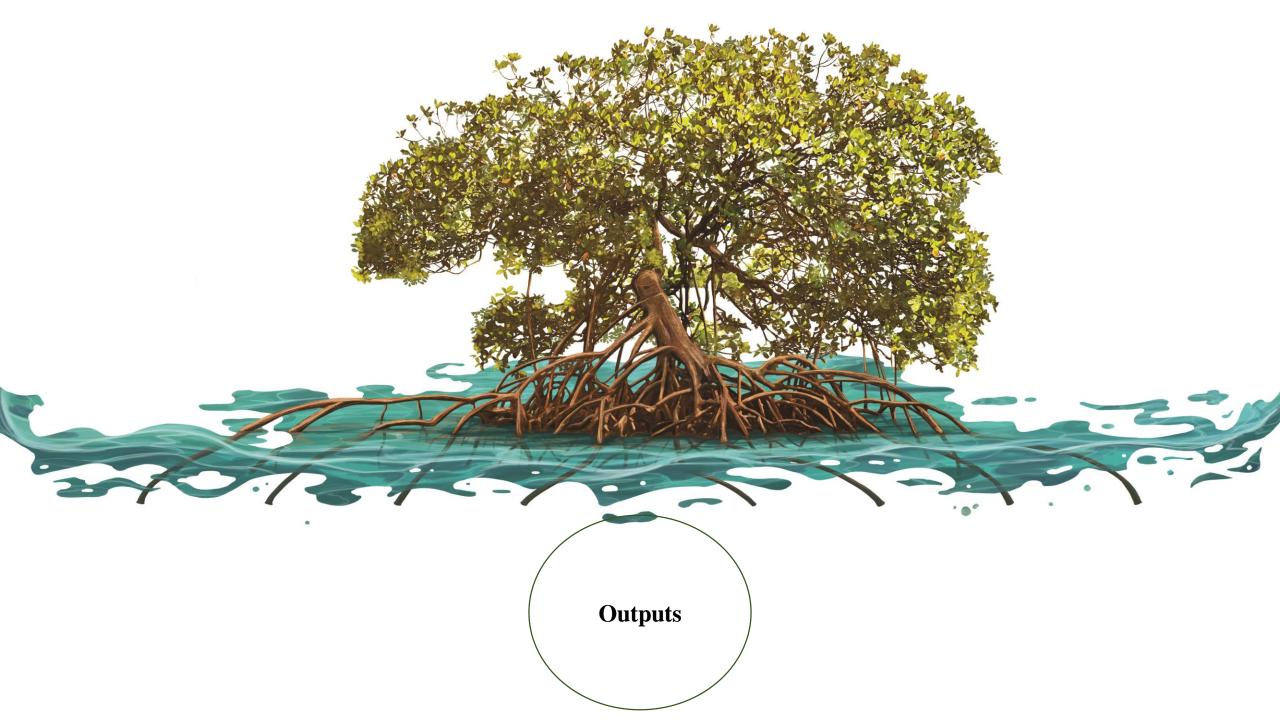


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"The Flood Protection Benefits and Restoration Costs for Mangroves in Jamaica"

was developed by The University of California Santa Cruz (UCSC), the Environmental Hydraulic Institute of Cantabria (IHC), and The Nature Conservancy (TNC).

Lead authors included: Dr. Michael W. Beck (UCSC-TNC), Dr. Siddharth Narayan (UCSC), Dr. Iñigo J. Losada (IHC), Dr. Antonio Espejo Hermosa (IHC), and Dr. Saul Torres Ortega (IHC).



"Local Scale Assessments on Mangrove Ecosystems Status and their Role in Coastal Resilience", and the "Mangroves Monitoring and Evaluation Manual- Jamaica"

was developed by the University of West Indies MONA Campus (Kingston, Jamaica). Lead authors included: Dr. Arpita Mandal, Dr. Rose-Ann Smith, Dr. Taneisha Edwards, Dr. Robert Kinlocke, Dr. Simon Mitchell (Department of Geography and Geology); Dr. Mona Webber, Camilo Trench, and Patrice Francis (Centre for Marine Science); and Dr. Adrian Spence (International Centre for Environmental and Nuclear Sciences).



"Valuation of Selected Ecosystem Service Co-Benefits Beyond Coastal Protection"

was developed by Dr. Peter E.T. Edwards.



In addition to these reports, the University of California Santa Cruz (UCSC), the Environmental Hydraulic Institute of Cantabria (IHC), and The Nature Conservancy (TNC) produced the following online tool:



maps.coastalresilience.org/jamaica

MANGROVES

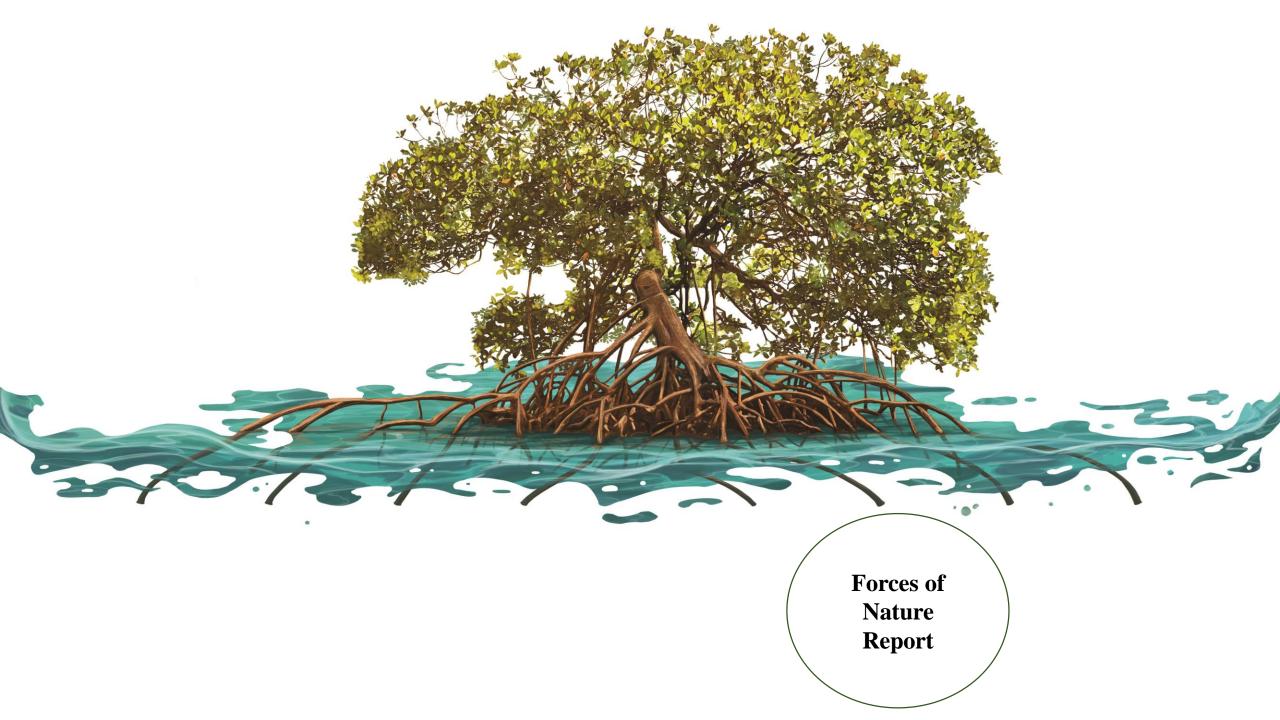
MONITORING AND EVALUATION MANUAL

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https://maps.coastalresilience.org/jamaica/





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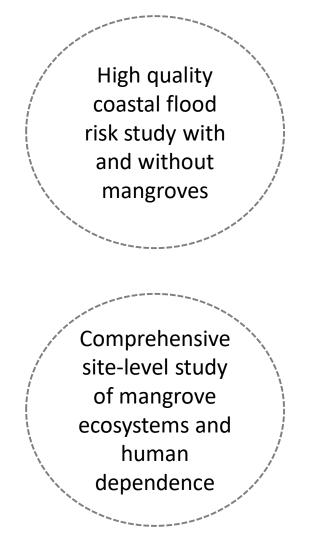
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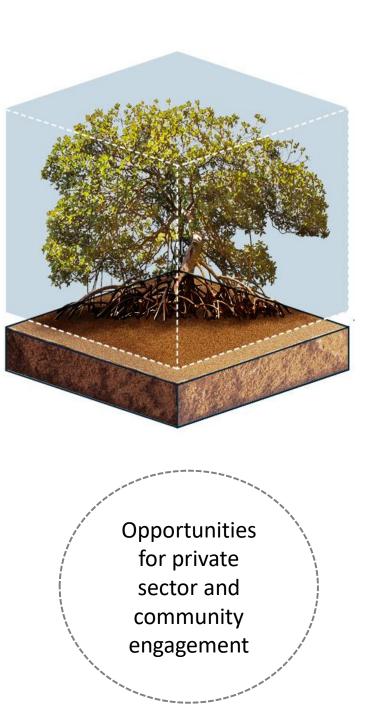
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Arpita Mandal Rose-Ann Smith Taneisha Edwards Robert Kinlocke Simon Mitchell Mona Webber Camilo Trench Patrice Francis Adrian Spence

Peter E.T. Edwards







Baseline information for risk reduction, disaster recovery, and disaster risk financing Supporting information for UNFCCC, and Sendai Framework

POST-DISASTER NEEDS ASSESSMENTS

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