

TAKING CARE OF YOU AND YOUR ENVIRONMENT

www.clenvironmental.com

ENVIRONMENTAL



- Environmental Impact Assessments(EIAs)
- Environmental Audits
- Environmental Management Programmes
- Indoor Air Quality Assessments
- Noise Measurements, Modelling and Assessments (airport, industrial and environmental noisemodelling using SoundPlan 8.2 software)
- Assistance in filling out Project Information (PIF) and Project Application Application Forms (PAF)
- Environmental Monitoring (sewage, water quality, air and noise)
- Occupational Health and Safety (OHS)
- Coastal Zone Management
- Wetland Management
- Fisheries Assessment and Management
- Emergency Response Planning
- Environmental Management Systems
- Data Management and Analysis
- Soil Analysis
- Solid Waste Management
- Wastewater Treatment and Design
- Underwater Exploration (trained divers and mini ROV)
- Bathymetric and Currents Surveys
- Faunal and Floral studies (aquatic and terrestrial)
- Socioeconomic Surveys
- Land use Surveys
- Hazard Vulnerability Assessments (hurricanes, storm surges, wave climate, earthquakes etc.)
- Thermal and Oceanographic studies and modelling
- Geological Surveys
- Mapping and Suitability Analysis (GIS mapping and analysis using the state of the art Trimble Geo XT Global Positioning System. Data is mapped and overlaid on either satellite imagery or paper based maps by using ArcGIS 10.8.1)
- Coastal Engineering
- Sale of Equipment from Sensidyne Inc (including Gilian Personal Air Pumps) and Quest Technologies Inc (including noise meters, noise dosimeters,heat stress monitors and gas detection monitors)

## CALENDAR 2024

JANUARY							FEBRUARY							MARCH							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2	3	4	5	6					1	2	3							1	2
7	8	9	10	11	12	13	4	5	6	7	8	9	10	3	4	5	6	7	8	9	
14	15	16	17	18	19	20	11	12	13	14	15	16	17	10	11	12	13	14	15	16	
21	22	23	24	25	26	27	18	19	20	21	22	23	24	17	18	19	20	21	22	23	
28	29	30	31				25	26	27	28	29			24	25	26	27	28	29	30	
														31							
APRIL							MAY							JUNE							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2	3	4	5	6				1	2	3	4							1	
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8	
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15	
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22	
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29	
														30							
JULY							AUGUST							SEPTEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2	3	4	5	6					1	2	3	1	2	3	4	5	6	7	
7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14	
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21	
21	22	23	24	25	26	27	18	19	20	21	22	23	24	22	23	24	25	26	27	28	
28	29	30	31				25	26	27	28	29	30	31	29	30						
OCTOBER							NOVEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
		1	2	3	4	5						1	2	1	2	3	4	5	6	7	
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14	
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31					



Cover: Mangrove, sea and sky on a cloudy day  
- Rachel D'Silva





East West highway extension  
- Dr. Carlton Campbell

**WHO WE ARE :** CL Environmental is a limited liability Jamaican company offering fully integrated environmental management services. The Company is a conglomeration of consultants and scientists who have, over the years, worked on numerous environmental projects and are highly respected in the field of environmental management. We provide consultancy services to both governmental and non-governmental agencies, local and overseas. The professionals include environmental scientists, marine ecologists, environmental engineers, planners, industrial hygienists, environmental management specialists, environmental educators, indoor air quality consultants (including Jamaica's only certified indoor air quality consultant) and trained divers.

**MISSION STATEMENT :** CL Environmental is committed to sustainable development by furnishing all businesses and peoples with pragmatic solutions through the highest quality environmental and technical services.

**OUR TEAM :** The company's capabilities are built on a multidisciplinary group of professionals and associates who collectively have over thirty years of experience in environmental management. In addition, to their experience, the depth and diversity of the team provides us with strengths in marine biology, environmental assessment, water quality monitoring and modelling, noise measurements, modelling and assessments, socioeconomic considerations, oceanography, industrial hygiene, occupational health and safety, indoor air quality assessments, Geographical Information Systems (GIS) mapping and analysis, institutional and legal framework, facilitation, programming and project implementation.

**CLIENTS INCLUDE :**

- Air Jamaica
- Alumina Partners of Jamaica (ALPART)
- American Airlines
- Bank of Jamaica
- Bank of Nova Scotia
- Blue Diamonds Hotels and Resorts
- Bouygues Travaux Publics
- Can-Cara Development Limited
- Canadian High Commission
- Caribbean Cement Company Ltd
- Caribbean Mariculture Products Ltd.
- Caribbean Maritime Institute
- Chukka Cove Adventures
- CJR Renewables
- Decameron Hotels
- Digicel Jamaica
- Epping Gas Station
- Federated Pharmaceutical
- Fiesta Hotel Group
- Fortress Energy
- Government of St. Lucia
- Grace Kennedy Ltd.
- Grand Lido - Bloody Bay
- Grupo Aeroportuario del Pacifico (GAP)
- Half Moon
- Hospiten International
- Iberostar Hotel Resorts
- Jamaica Biscuit Company Ltd.
- Jamaica Civil Aviation Authority
- Jamaica Energy Partners
- Jamaica Private Power Company
- Jamaica Public Service Co. Ltd.
- JAMALCO
- Karisma Hotels & Resorts
- Kraft Foods International
- Mainland International
- Ministry of Agriculture
- Ministry of Health
- Moon Palace Jamaica Grande
- National Commercial Bank - AIC
- National Environment and Planning Agency
- National Health Fund
- National Housing Trust
- National Road Operating and Constructing Company
- National Works Agency
- Negril Area Environmental Protection Trust

- NMIA Airports Limited
- Oleander Development Limited
- Operation Pride
- Oyster Bay
- Palmyra Resort and Spa
- Playa Hotels and Resorts
- Port Authority of Jamaica (PAJ)
- Princess Hotels and Resorts
- RCD Hotels
- Relocation 2000
- RIU International
- Royalton Resorts
- Sandals Resort
- SEA NG
- Seawind Key
- Shipping Association of Jamaica
- South Jamaica Power Company
- Sports and Divers Limited
- St. Christopher Air & Sea Ports Authority
- Stanley Consultants
- Technological Solutions Limited
- The Tryall Club
- Trans Jamaican Highway
- Unigestion Holding S.A.
- Urban Development Corporation
- Wärtsilä
- White Bay Limited

**SOME CLIENTS OUR PROFESSIONALS HAVE WORKED FOR INCLUDE :**

- St. Christopher Air and Sea Port Authority (St. Kitts)
- United Nations Development Programme (UNDP)
- United Nations Environment Programme (UNEP)
- SENTAR Consultants
- NORCONSULT
- Government of Jamaica Solid Waste Project
- OECS Ship Generated Waste Solid Waste Management Project
- CIDA - Programme Support Unit Ltd.
- Ministry of Agriculture
- Petroleum Corporation of Jamaica (PCJ)
- Cable and Wireless Jamaica Ltd. (C&W)
- City of Kingston Credit Union (COK)
- Halcrow and Partners Limited

**SOME OF OUR MAJOR PROJECTS :**

- Ausjam Gold Mine Cyanide Leak
- AA Flight 331 accident remediation project, Palisadoes
- Development of a National Programme of Action for Land based Sources and activities that impact on the Marine Environment
- Environmental Impact Assessment;
  - » Montego Bay Perimeter Road
  - » RIU Mahoe Bay Hotel, Montego Bay
  - » Highway 2000 North South Link - Caymanas to Linstead & Moneague to Ocho Rios
  - » West Kingston Power Partners 66MW Power Plant
  - » South Jamaica Power Company 360MW Power Plant
- Environmental Monitoring;
  - » The Palisadoes Highway Development
  - » The Falmouth Port Development, Trelawny
- Assessments;
  - » Norman Manley International Airport - Environmental and noise assessment
  - » Protected Areas in 5 Caribbean Countries for the Caribbean Regional Environmental Programme
  - » Negril Royal Palm Vegetation Assessment
  - » RIU Palace Hotel, Montego Bay
  - » Azul Sensatori Hotel
  - » Hyatt Ziva Hotel
  - » Royalton White Sands Hotel
  - » South Coast Highway
- Noise Assessments;
  - » Commissioning of Doctor Bird II Barge
  - » Old Harbour Bay and CT12 and CT13 Turbines - Jamaica Public Service (Bogue Plant)
  - » Worker noise exposure survey at the Rockfort power plant
- Noise Modelling;
  - » Highway 2000 corridor Phase 1A
  - » West Kingston Power Station
  - » St. Christopher Air and Sea Port Authority (St. Kitts)
  - » Supreme Promotions Limited at the Jamworld facility (Sting)
- Sea grass removal, replanting and monitoring;
  - » Iberostar Hotel, St. James
  - » Seawind Key Investments, St. James (including Coral relocation)
- Indoor Air Quality Assessment;
  - » The Bank of Jamaica
  - » The Norman Manley International Head Office
  - » Federated Pharmaceuticals
- Occupational Health and Safety Assessment;
  - » Kraft Foods
  - » The Jamaica Biscuit Company Limited





**THE CL ENVIRONMENTAL TEAM**

Back (L to R): Matthew Lee, Winsome McDonald, Carlton Campbell. Front (L to R): Alec Silvera, Rachel D'Silva, Glen Patrick. Inset (L to R): Professor Dale Webber, Daisy Campbell, Karen Chin, Nicole Grant, Clarence Whyte.

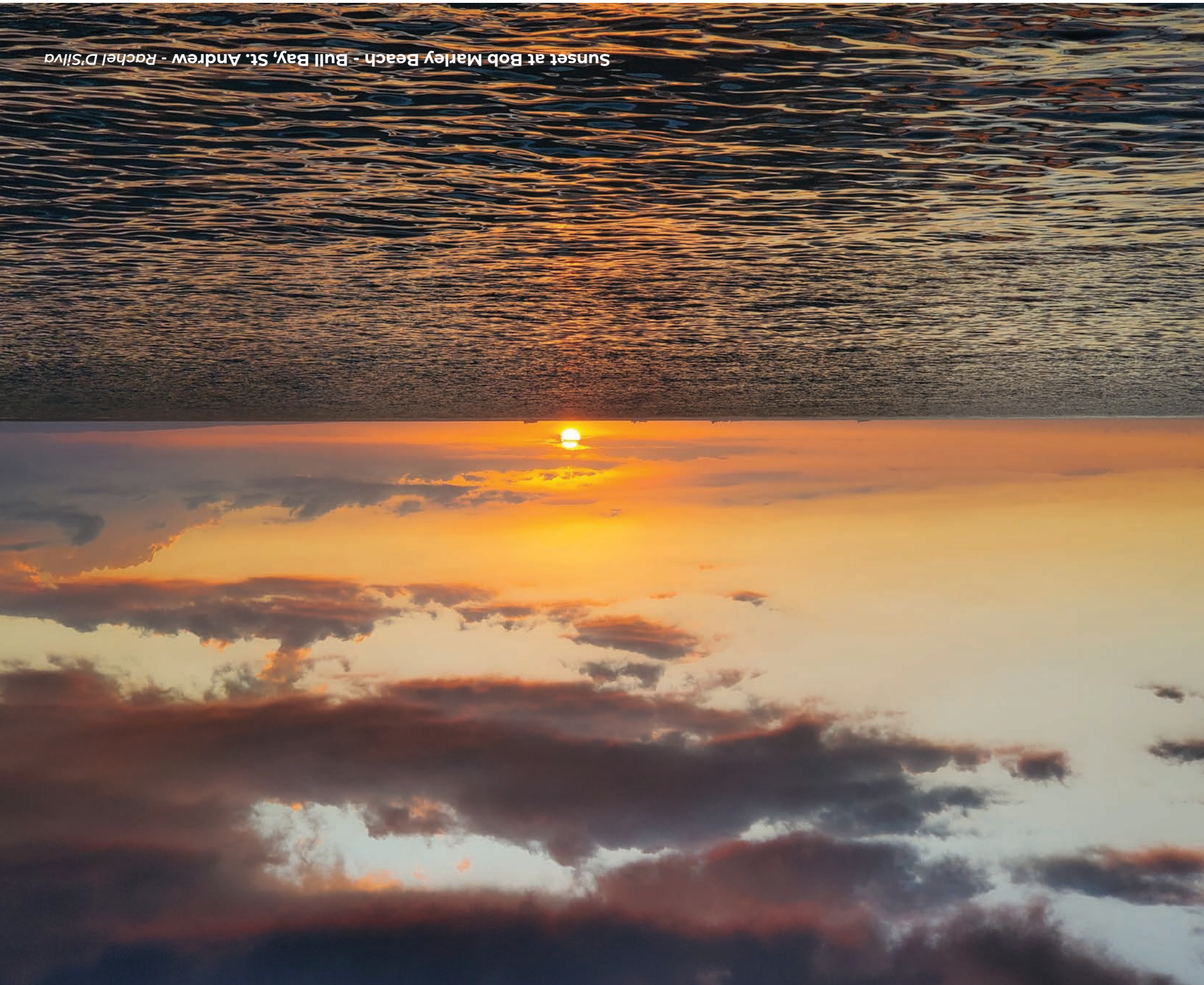


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**JANUARY 2023**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 New Year's Day Earthquake Awareness Month	2 Celebrate New Year's Day	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31 Earthquake Awareness Month ends				





Sunset at Bob Marley Beach - Bull Bay, St. Andrew - Rachel D'Silva



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# DECEMBER 2023

**SUNDAY** **MONDAY** **TUESDAY** **WEDNESDAY** **THURSDAY** **FRIDAY** **SATURDAY**

31						
30	29	28	27	26	25	24
23	22	21	20	19	18	17
16	15	14	13	12	11	10
9	8	7	6	5	4	3
2	1					

New Year's Eve

Christmas Eve

Christmas Day

Boxing Day





Sunset from Point Village - Negril, Westmoreland - Rachel D'Silva



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# FEBRUARY 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2 World Wetlands Day	3	4
5	6	7	8	9	10	11
12	13	14 Valentine's Day	15	16	17	18
19	20	21	22 Ash Wednesday	23	24	25
26	27	28				





High Volume Air Sampler Calibration at Mona Geoinformatics Institute - Mona, St. Andrew - Rachel D'Silva



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# NOVEMBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
5	6	7	8 World Town Planning Day	9	10	11
12	13	14	15 World GIS Day	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

1  
Science & Technology Month





Breakfast time, Great Egret - Falmouth, Trelawny - Rachel D'Silva

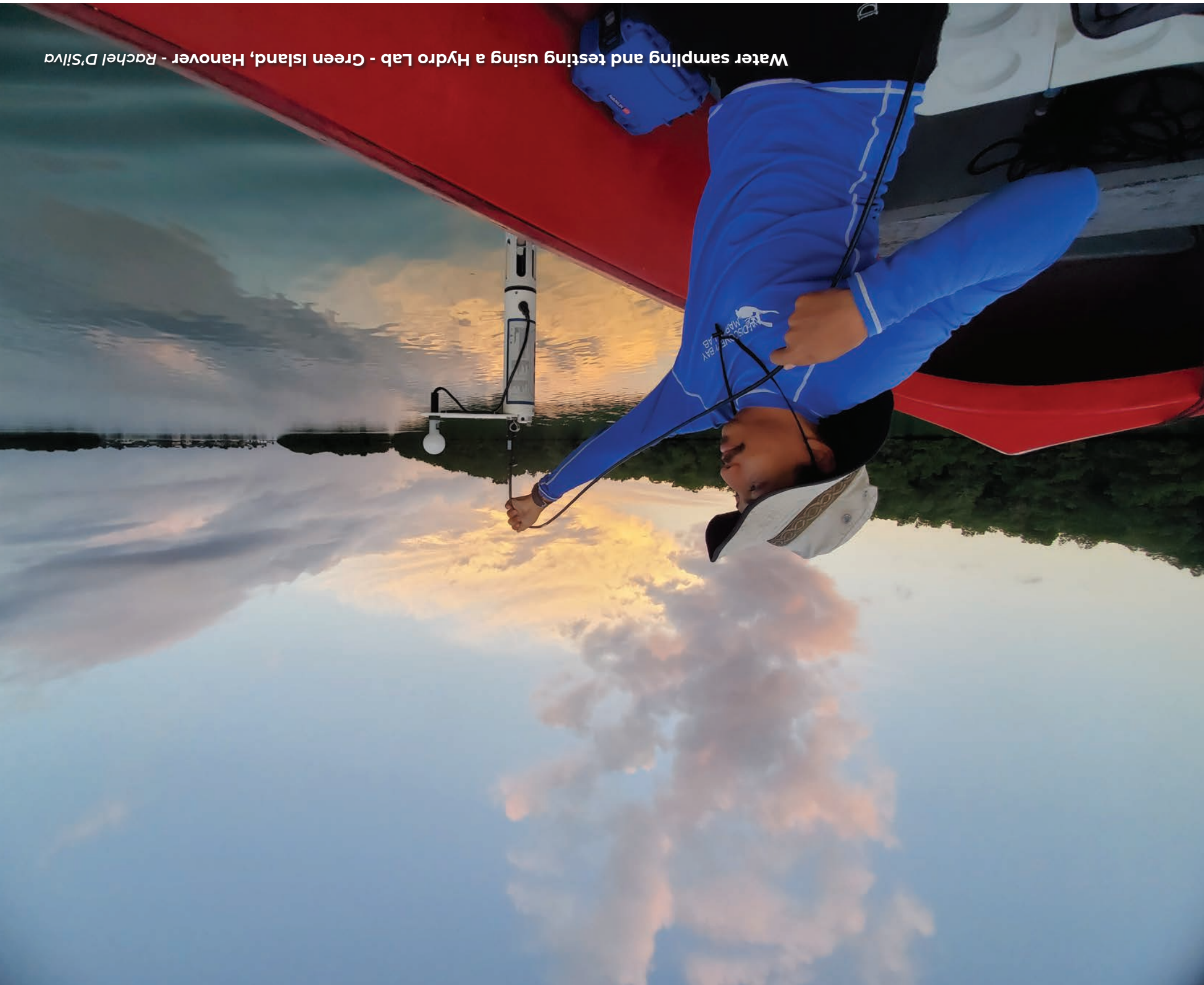


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# MARCH 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3 World Wildlife Day	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22 World Water Day	23 World Meteorological Day	24	25
26	27	28	29	30	31	





Water sampling and testing using a Hydro Lab - Green Island, Hanover - Rachel D'Silva



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# OCTOBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2 World Habitat Day	3	4	5	6 National Tree Planting Day	7 National Wood & Water Day
8	9	10	11 International Day for Disaster Reduction	12	13	14 World Migratory Bird Day World Standards Day
15	16 National Heroes' Day	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				





Horses grazing at Paradise Park, Westmoreland - Rachel D'Silva



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# APRIL 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 Caribbean Spiny Lobster Closed Season (Apr. 1 - Jun. 30)
2	3	4	5	6	7 World Health Day Good Friday	8
9 Easter Sunday	10 Easter Monday	11	12	13	14	15
16	17	18	19	20	21	22 Earth Day Caribbean Endemic Bird Festival (Apr. 22 - May 22)
23	24	25	26	27	28	29
30						





View of the sea - Green Island, Hanover - Rachel D'Silva



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# SEPTEMBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
					1	2

International  
Ozone Day  
International Coastal  
Clean-up Day





Office view - Green Island, Hanover - Rachel D'Silva



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**MAY 2023**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
14 Mother's Day	15	16	17	18	19 Endangered Species Day	20
21	22 International Day for Biological Diversity Caribbean Endemic Bird Festival ends	23 Labour Day	24	25	26	27
28	29	30	31			





Trelawny's Nature Pools - Trelawny - Rachel D'Silva



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# AUGUST 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
6 Independence Day	7 Celebrate Independence Day	8	9 CL Environmental's 23 <sup>rd</sup> Anniversary	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		





(L to R): Winsome McDonald, Glen Patrick, Karen McIntyre-Chin, Alec Silvera, Carlton Campbell, Rachel D'Silva.



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**JUNE 2023**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 Disaster Preparedness Month Atlantic/Caribbean Hurricane Season (Jun. 1 - Nov. 30)	2 National Environmental Awareness Week (Jun. 2 - 8)	3
4	5 World Environment Day	6	7	8 World Oceans Day National Environmental Awareness Week ends	9	10
11	12	13	14	15	16	17 World Day to Combat Desertification and Drought
18 Father's Day	19	20	21	22	23	24
25	26 World Refrigeration Day	27	28	29 International Fisherman's Day	30	





Spur and Groove Reef monitoring - Green Island, Hanover - Rachel D'Silva



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# JULY 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
2	3 International Plastic Bag Free Day	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					