

University of Hawaii Sea Level Center

UHSLC

IN OPERATION SINCE THE 1970s

REMOTE TROPICAL ISLANDS ALONG THE EQUATOR

NETWORK

- OVER 80 STATIONS WORLD WIDE
- PACIFIC OCEAN, ATLANTIC OCEAN, INDIAN OCEAN, CARIBBEAN
- 3 SATELLITE SYSTEMS (GOES, METEOSAT & JMA)
- 2 TECHNICIANS INSTALLING, MAINTAINING AND UPGRADING FOR OVER 25 YEARS
- <http://www.ioc-sealevelmonitoring.org/list.php?showall=a&output=general&operator=65&order=country&dir=asc>

CARIBBEAN SEA LEVEL GAUGES MAINTAINED BY UHSLC

- SAN ANDRES
- SANTA MARTA
- EL PORVENIER
- PUNTA CANA
- PUERTO PLATA
- CURACAO
- DOMINICA
- GRENADA
- LIMON, COASTA
RICA
- SETTLEMENT
POINT, BAHAMAS

STANDARD COMPONENTS

- SUTRON SATLINK2 V2 TRANSMITTER/DATA LOGGER
- 2 BATTERIES 12VOLT; 35Ahr
- SUNSAVER DUO SOLAR REGULATOR
- 50 WATT SOLAR PANEL
- X-YAGI ANTENNA FOR GOES
- TIDE STAFF
- 5 BENCHMARKS

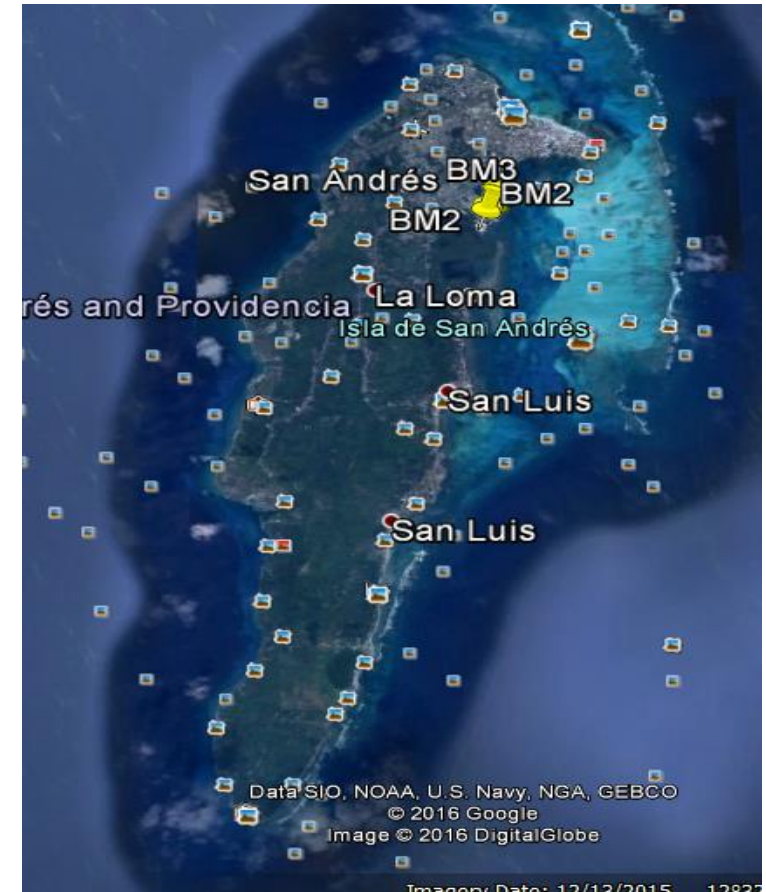
PROGRAMMING FOR CARIBBEAN

- SENSORS HAVE 1 MINUTE DATA
- SENSOR NAMES: PRS, RAD, RA2, BUB, ENC, EN2, SW1, SW2, BAT
- TRANSMIT ON GOES EAST (CHAN 215, 217, ODD #s)
- TRANSMISSION INTERVAL 5MIN
- TRANSMISSION WINDOW 10 SECONDS
- PID AND START TIME: STATION SPECIFIC; ASSIGNED BY NESDIS

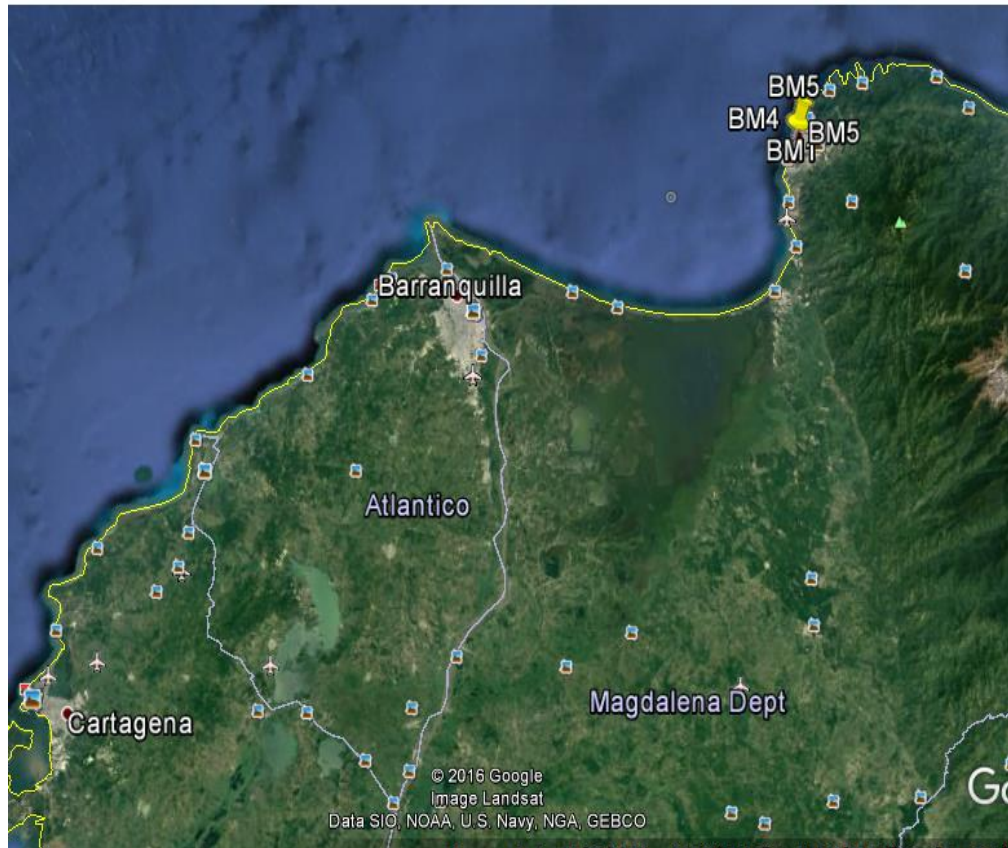
SENSORS

- PRESSURE SENSOR – 3 SEC SAMPLES 1 MIN AVERAGE
- OTT CBS BUBBLER – 1 MINUTE SAMPLES
- VEGA PLICS PLUS 62 – RADAR
- SUTRON RLR RADAR
- SUTRON SDR SHAFT ENCODER
- UHSLC REFERENCE LEVEL SWITCHES

SAN ANDRES, COLOMBIA



SANTA MARTA, COLOMBIA



EL PORVENIR, PANAMA



DOMINICAN REPUBLIC



DOMINICAN REPUBLIC

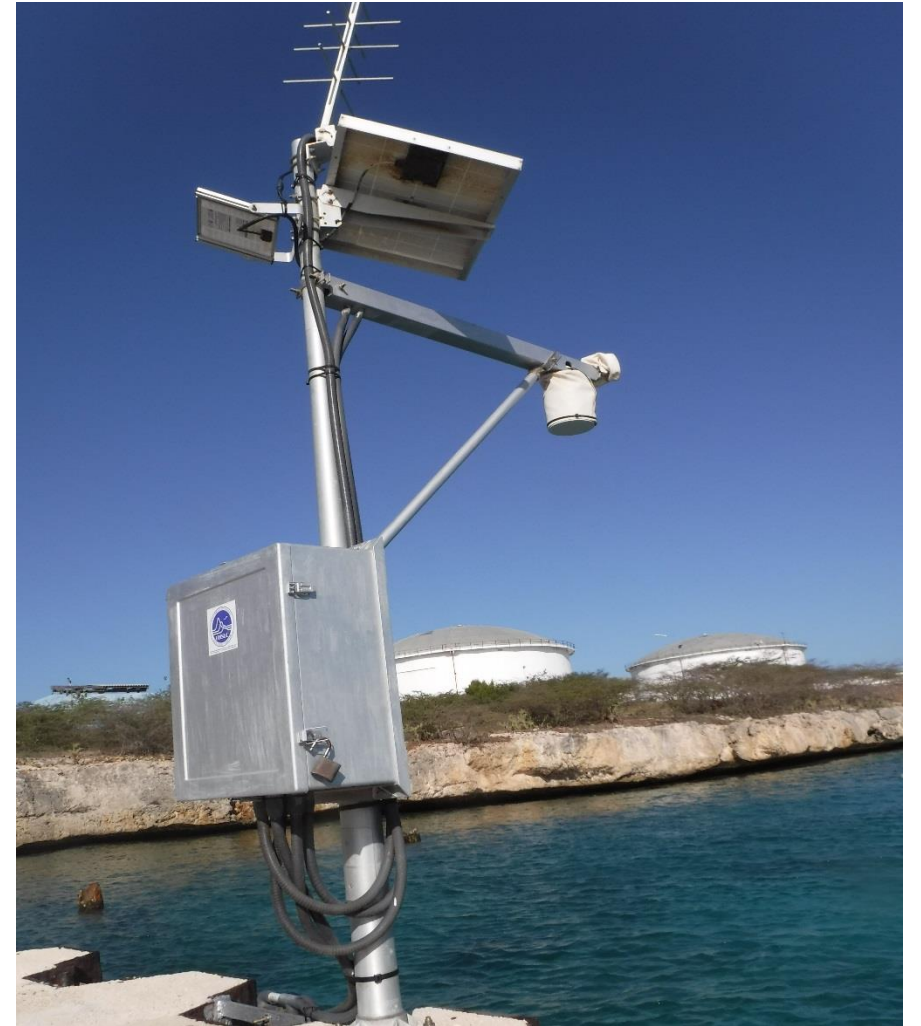
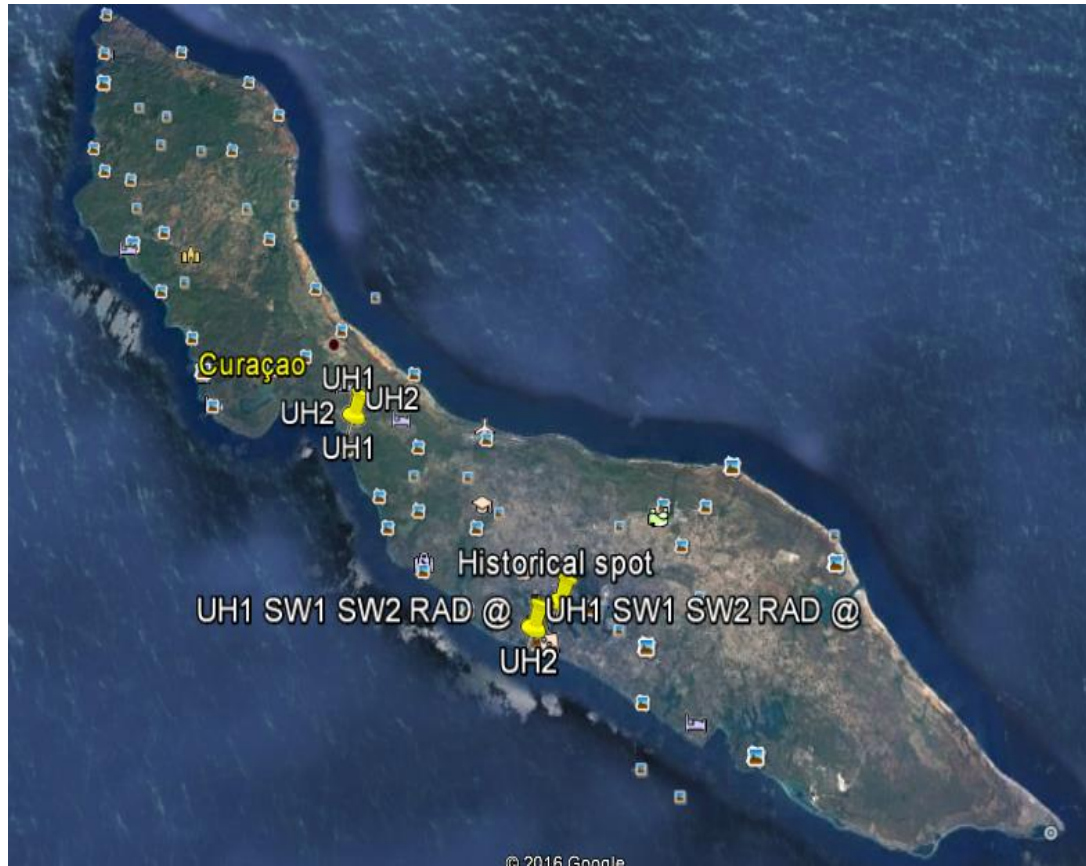
PUNTA CANA



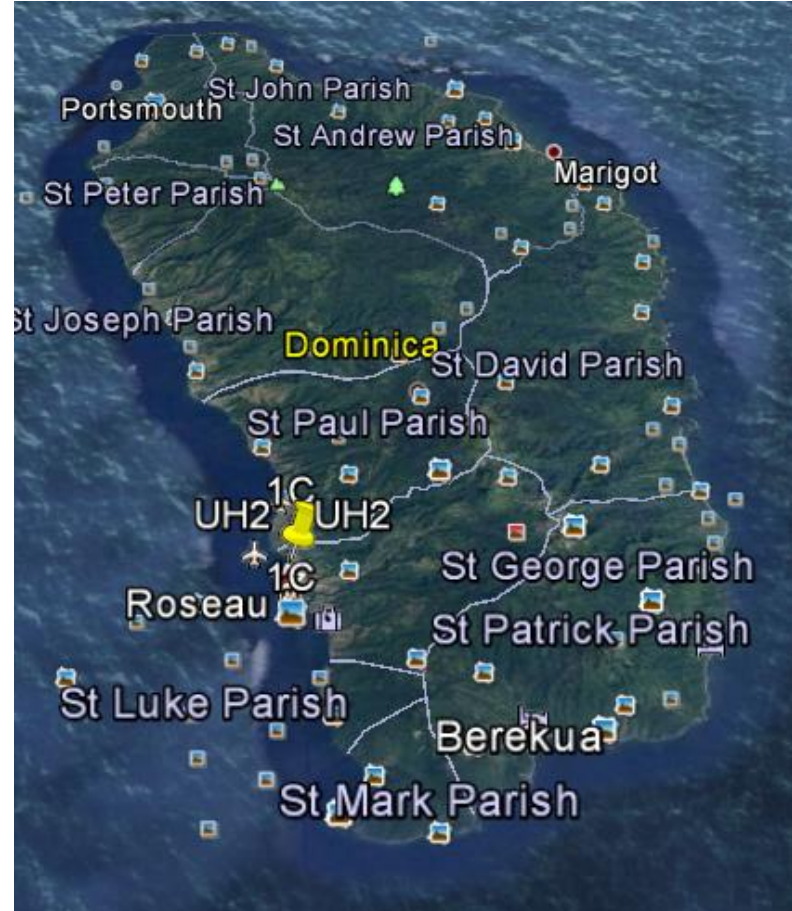
PUERTO PLATA



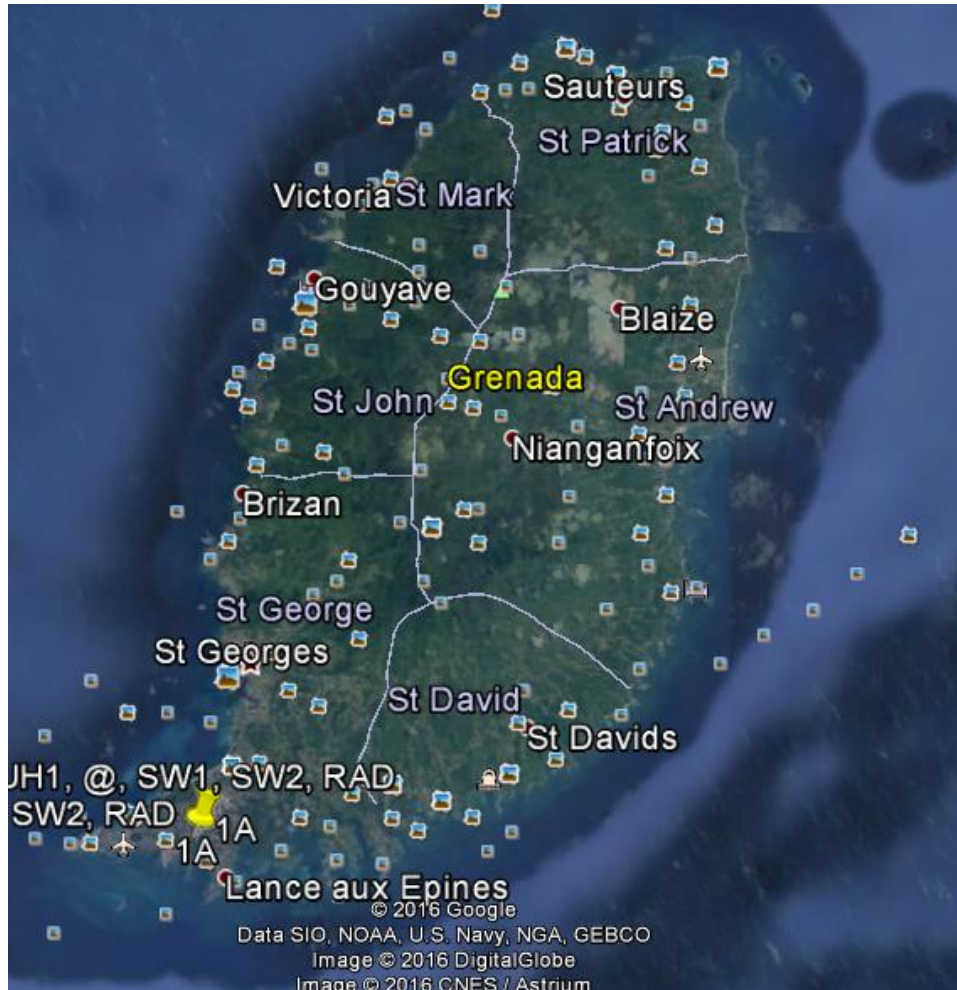
CURACAO



ROSEAU, DOMINICA



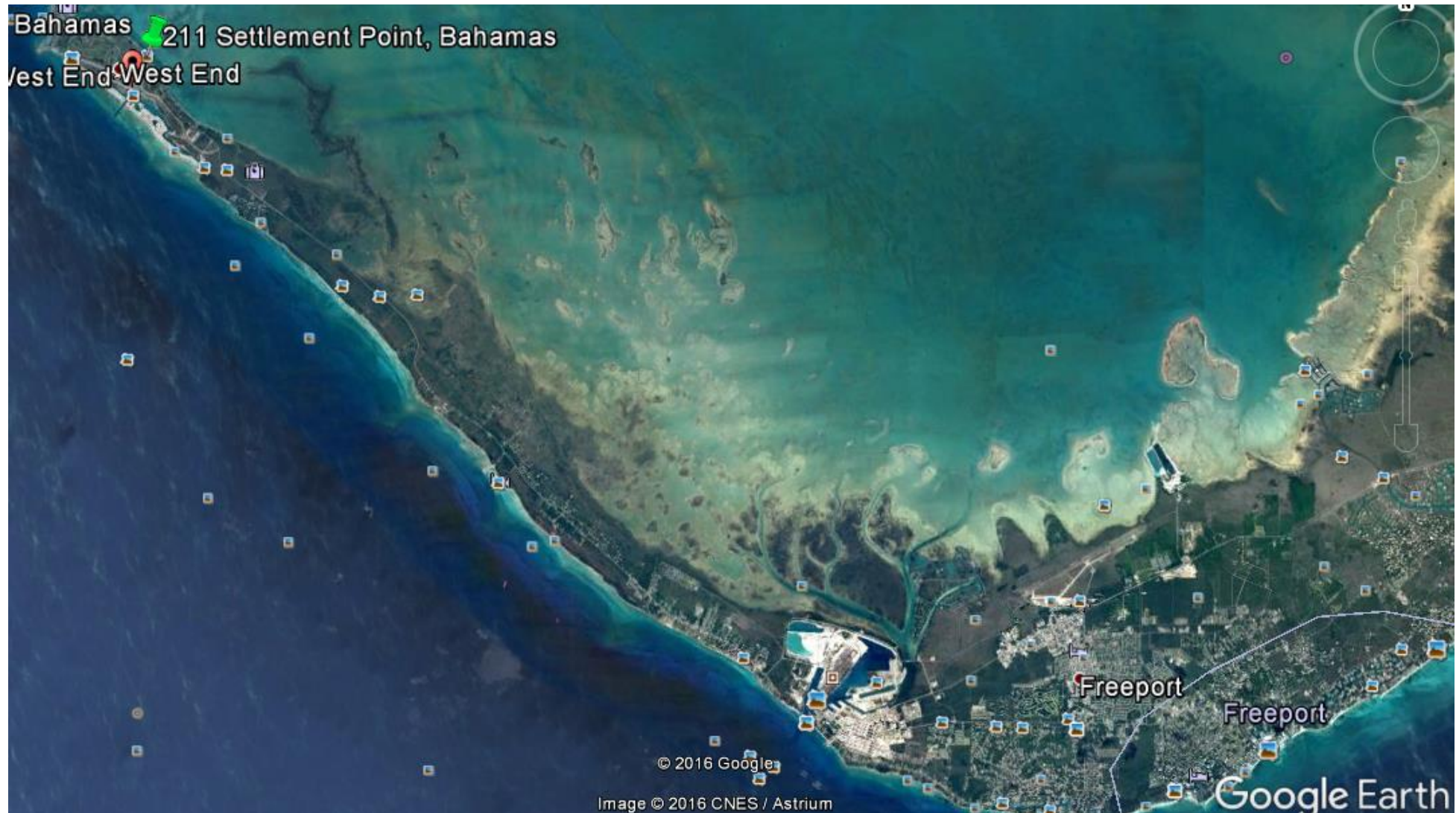
PRICKLY BAY, GRENADA



LIMON, COSTA RICA



SETTLEMENT POINT, GRAND BAHAMA



SETTLEMENT POINT, BAHAMAS



LEVELING