

LIST OF WATERSHEDS OF ST. LUCIA

- 1 Salee Lapins
- 2 Esperance
- 3 Dauphins
- 4 Marquis
- 5 Grande Anse
- 6 Fond D'Or
- 7 Dennery
- 8 Riviere Galet
- 9 Mamiku
- 10 Fond
- 11 Volet
- 12 Troumassee
- 13 Micoud
- 14 Canelles
- 15 Roame
- 16 Vieux Fort
- 17 Black Bay
- 18 Laborie
- 19 Piaye
- 20 Balembouche



LIST OF WATERSHEDS OF ST. LUCIA

- 21 Doree
- 22 Choiseul
- 23 L'Ivrogne
- 24 Pitons
- 25 Soufriere
- 26 Mamin
- 27 Canaries
- 28 Ans La Verdue
- 29 Grande Riviere
- de Anse Lay Raye
- 30 Petit Riviere de
- Anse La Raye
- 31 Roseau
- 32 Mt. Bellevue
- 33 Cul de Sac
- 34 Castries
- 35 Choc
- 36 Bois D'Orange
- 37 Cap

GOALS OF EWS

- Ownership of the EWS by the community (people centered)
- Empowering of the Communities in disaster mangement
- To lessen the impacts of these hazards.
- To train personel within the Community on hazard management
- To replicate the project in other Communities

Kinds of Early Warning Systems

- Computer "popups eg. Bambox applications. Easy Accessible, Minimal Cost, provides information
- Smart Applications, Mass Emails/SMS -Vibrate, Alarm, flash.
- Broadcast Applications (radio, televisions)
- Radar Sensor Application
- RDS receivers: sound loud sirens, display messages and tune into FM radio stations broadcasting alert messages automatically. These units are able to be activated even if power is off.
- Sirens (VHF radio signals)



Radar Sensor SMS messaging response

Information from Water-level Recorder or Rain gauge

Met Services/WRMA

NEMO

Disaster Committee

Activation of Disaster Plan

Residents

District Disaster Committee

Smartphone Application



Email messaging



Siren System



Data logger



Rain gauge, broadcasting

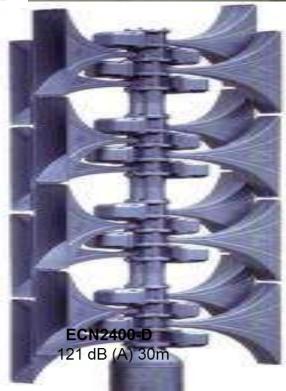


Micro Processor: Data Analysis for Threshold Development



start siren alarm

Alarm system: siren pole



Stream flow gauge, broadcasting

Siren and Messaging Warning Levels

- Caution Level: Threshold has been breached
- Inundation is likely, flooding is imminent persons asked to evacute.
- Evacuation Level:.....Move to saftey
- All Clear: Risk no longer exist.

Questions asked????

- Do the warnings reach those at risk?
- Do persons understand the message?
- Do they react/respond to the messages?
- Are they adhering to the drill training exercises
- Do they understand the risk at hand?

.....for a proper response, the messaging have to be

- Relevant
- Clarity
- Credibility
- Consistent/Standardized
- Scalability

Cause for EWS response to be effective it must be sound, understood, scientific, technically based and people oriented.

Response Mechanism/Agencies

- NEMAC (PM chair, Cab sec deputy, Dir. NEMO exfficio)
- NEMO (command center)
- Flood and Drought Mitigation Committee
- District Disaster Committees
- Disaster Sub-Committees
- National Committees (telecoms, transport, shelters etc.)
- Red Cross
- Saint John's

Other EWS monitoring Sites. Carib-HYCOS







Opportunities

- It promotes a multi sectorial integrated approach.
- Solicit more technical assistance for hazard mitigation.
- Establishing a legal and policy framework for hazard management.
- Helps to fine tune the Community disaster plan.
- Enforces proper building code and safety regulations.
- Encourage vulnerability assessment at the house hold level.
- Training.

Lessons Learnt

- Brought the Community together.
- Encourages proper planning and management to reduce the impact of hazards in the vulnerable communities.
- Realization that hazards are a normal part of environmental occurrences, but disasters are enhanced by poor planning.
- Assist in updating the Community hazard master plan.
- Constant need to improve basic response information/dissemination



Thank you,
Questions??