

Palisadoes Port Royal Protected Area Emergency Warning and Response Programme

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Objectives and structure of presentation

- **NEPA's Role in Emergency Warning and Response Strategy**
- **Role of the Community**
- **Proposed Stakeholder Committee Structure**
- **Emergency Warning and Response System**
- **Example: Black River Monitoring Programme Milestones**
- **Summary**
- **Conclusion**

NEPA's Role in Early Warning and Response System

Enhance:

- **Response time to pollution incidents**
- **Public Education and Awareness**
- **Partnerships with local groups/communities**

The Role of the Community

- **Collaborative monitoring and proper use of natural resources**
- **Learn more about environmental laws**

Stakeholder collaboration...

- **Will build on the membership of existing stakeholder committees or CBOs**

The proposed sub-committees are recommended as follows:

- 1.Environmental monitoring**
- 2.First Responders**
- 3.Public Education and Awareness**

Stakeholder collaboration...

Examples of Stakeholders:

- ✓ **Government Agencies and Ministries**
- ✓ **Non-Governmental Organizations**
- ✓ **Private Sector Organizations e.g. Manufacturing and Processing Industries***
- ✓ **Local Government Entities**
- ✓ **Academic Institutions**
- ✓ **Communities**

* **In proximity to Kingston Harbour and within Rio Cobre Watershed**

Early Warning and Response System

Flow of events after an incident that does **not result in a fish kill:**

Pollution of river



River Guardian **visits** affected site and **calls** response coordinator with details and **collects** water sample



30min.-1hr.

Response coordinator relays information to **NEPA Parish Enforcement Investigator**



5-10 min.

Sample dispatched to lab for testing



4-5 hrs.

Analysis of results assessed and appropriate action taken

Early Warning and Response System

Flow of events after **a fish kill**:

Pollution of river



River Guardian **visits** affected site; **calls** response coordinator with details and **collects fish sample** in plastic bag



Response coordinator relays information to **NEPA Parish Enforcement Officer** who contacts **Veterinary Services Division**

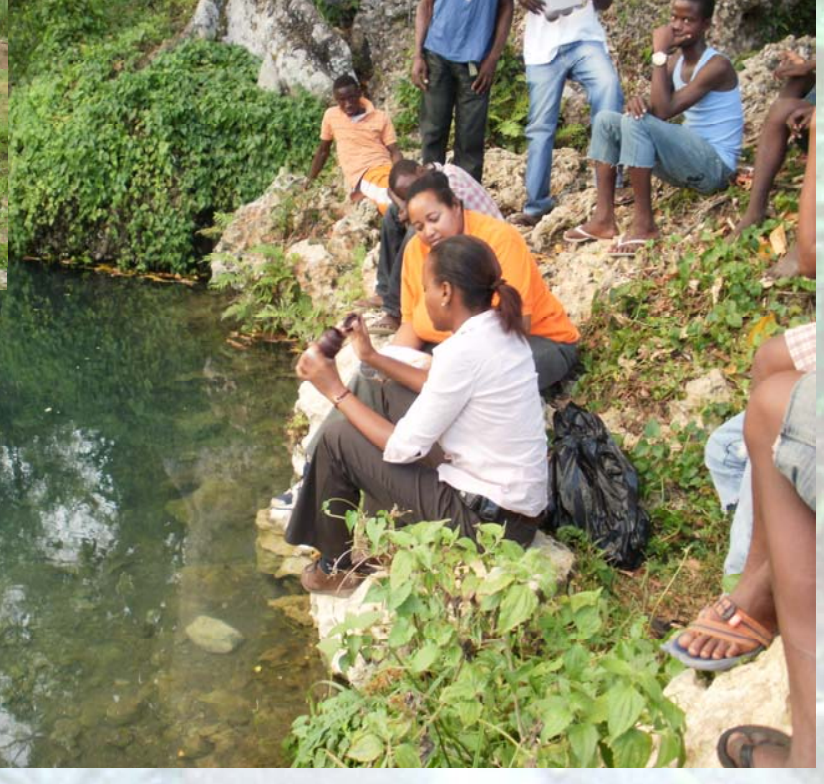


Sample dispatched to lab for screening



Analysis, assessment and action taken

Early Warning and Response System



Significant Milestones of Monitoring Programme to date:

- **Intensive water quality monitoring conducted by PMA and Enforcement Branches fortnightly. Enforcement Notice served on Sydney Pagon Agricultural High School Piggery at Elim for discharging partially treated effluent into an earth drain that eventually drains into the South Elim River.**
- **Major stakeholder workshop held in Black River on 21 October 2009. Sixty-six (66) participants attended.**
- **River Guardian/1st Responder assisted Enforcement Officer to collect samples in November after Appleton Estate dunder overflow.**
- **Trend analysis of water quality data and Black River profile development has commenced.**
- **Visual clarity of river flowing under Sheep Bridge has improved.**

Milestones cont'd:

Ten communities were targeted for sampling training and environmental awareness. This target has been exceeded and twelve communities have been engaged:

- 1. Maggotty**
- 2. Elim**
- 3. New river**
- 4. Braes river**
- 5. Slipe (Frenchman District): Ramsar**
- 6. Lacovia: Ramsar**
- 7. Holland: Ramsar**
- 8. Middle Quarters: Ramsar**
- 9. Black River: Ramsar**
- 10. Parottee: Ramsar**
- 11. Vineyard: Ramsar**
- 12. Treasure Beach**

Ongoing programme review & assessment

- **Programme will be reviewed by Stakeholders Committee**
- **Any need for improvement will be determined**
- **A Stakeholder Capacity GAP analysis will be conducted**

Conclusion

- **An Early Warning and Response System will result in quicker and more efficient response to pollution incidents to protect the Kingston Harbour and Ramsar Site.**
- **Stakeholder collaboration is essential to its success**

THANK YOU!