

Assessing Community-Scale Disruption and Restoration of Basic Needs in Post-earthquake Haiti

Natural Hazards Workshop
July 2010









PROJECT OBJECTIVES

Characterize community-scale disruption and changes in disruption with time.

Explore the damage-disruption relationship

- Strength and nature of relationship
- Changes with time

DATA COLLECTION

Field deployment in Haiti: May 4-16, 2010



Interviews

- Community leaders
- Sector representatives



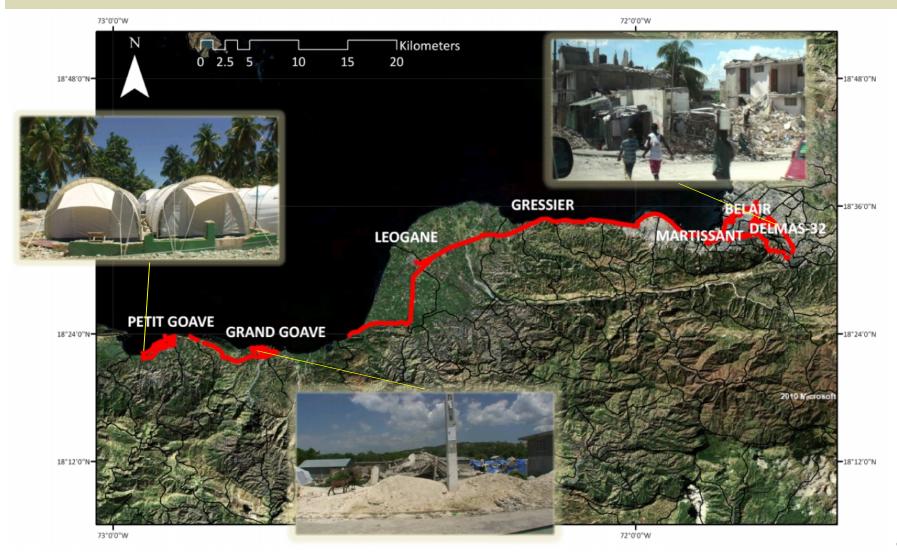
VIEWS[™] field damage assessment



Remote sensing

GEO-CAN Damage Assessment

DATA COLLECTION LOCATIONS



FIELD INTERVIEWS AND OBSERVATIONS

Communities

- Bel Air
- Delmas 32
- Petit Goave
- Grand Goave
- Gressier
- Leogane
- Martissant

Service Sectors

- Electric
- Canals
- Solid waste
- GIS

Clusters/NGOs

- Disabilities
- Early recovery
- Health
- Housing
- Logistics
- Nutrition
- Shelter
- FAO
- OCHA
- Oxfam
- Red Cross
- UNEP
- WFP





AVAILABILITY OF BASIC NEEDS

Time Period Relative to 1/12/10 Earthquake

SCALE

- 1 = **No** availability

 Not available at even the lowest quality
- 2 = **Minimal** availability

 Very unreliable, very poor quality,

 very insufficient, or inaccessible

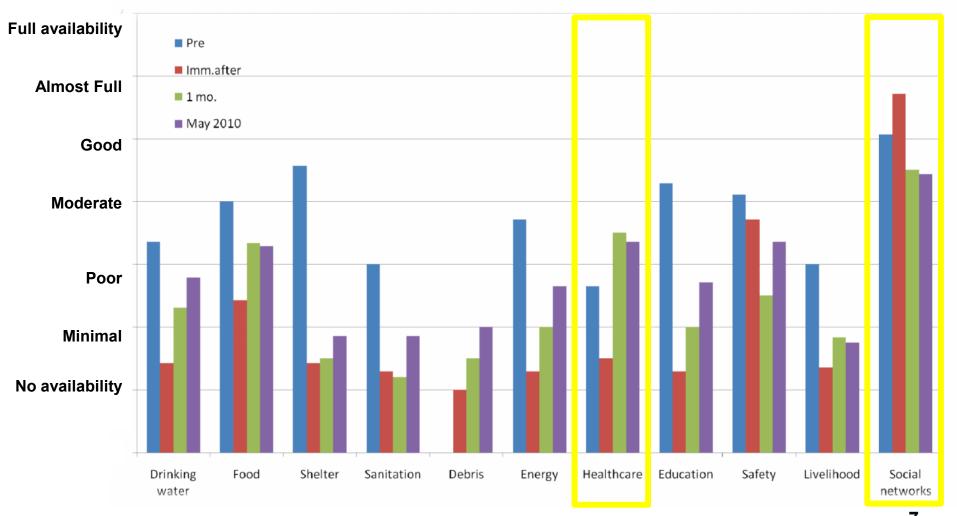
 to most
- 3 = **Poor** availability
- 4 = Moderate availability
 Available to some people who
 need it, though it may be
 inconsistent or of moderate
 quality
- 5 = **Good** availability
- 6 = **Almost full** availability
- 7 = **Full** availability

 Available at consistent, high

 quality to everyone who needs it

	Prior to	Immediately following	1 month after	May 2010
Drinking water				
Food – stuffs and prep. equip.				
Shelter				
Sanitation				
Debris removal				
Fuel/energy/utilities				
Health care				
Education/schools				
Safety				
Livelihood				
Social networks				
Other				

AVERAGE AVAILABILITY OF SERVICES



COMMUNITY VIEWPOINT: MARTISSANT



- Community Driven
 Development Council
- High unemployment rates prior to earthquake.



- 220,000 residents
- 828 lives lost167 injuries

COMMUNITY VIEWPOINT: MARTISSANT



OBSERVATIONS

- Implications of pre-event disruptions in understanding recovery
- Long-term consequences of "choices"
- Roles, responsibilities and coordination
- Importance of land rights/ownership
- Migration out of Port-au-Prince

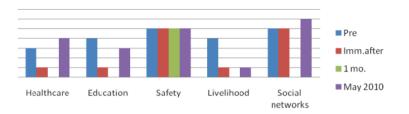
ONGOING EFFORTS

Investigating relationships between physical damage (GEO-CAN data) and community disruption.

Exploring the impact of chronic disruption/series of catastrophes on community.

Comparing experiences of disruption in urban and rural communities.





ACKNOWLEDGEMENTS AND PROJECT TEAM

Project participants.

Ross Gartley (World Bank)
Christelle Bernardin (World Bank)
Gaetano Vivo (GFDRR)
Henriot Nader (Ministry of Finance)
Carmen (PADF)

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