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Pretesting: Diego Martin

Diego Martin is a flood-prone region within the North-Western section of Trinidad & Tobago. The area is characterized by steep slopes and floodplains.

Approximately 28,000 persons within 20 communities – Most being Diego Martin Communities – were directly affected by a major flood event on August 11th, 2012.



Damages: TT\$100 million (US\$17 million).

Population (Diego Martin): 105,720 (2006 Estimate)

Population (St. Vincent & the Grenadines): 120,000 (2010 Estimate)

precessing: Diego Martin Sites: Richplain and Petit Valley. Sites: Richplain has approximately 727 households, with Petit Valley having some 2721 households. Richplain: 11 flood-affected households -1.5% of the total number of households. Petit Valley: 28 flood-affected households -1.2% of the total number of households. This pretest was carried out on the 13th and 14th October, 2012.

Pretesting: Diego Martin

Lessons Learned:

- The first is that regardless of an individual's socio-economic condition, tenure security remains a major determinant of their willingness to invest in their property pre/ post disaster.
- The second refers to the strong sense of community exemplified by residents of Richplain (low income community) – thus presenting a strong case for participatory enumeration



Main Study Area

The impact of Hurricane Tomas in October 2010 was significant enough for the government to declare disaster areas within the northern section of the mainland.

Given the geographical concentration of the agricultural sector in the northern part of the island, the most significant economic impact was felt in that sector. Losses were estimated at US\$25 million, with the banana industry recording the most significant losses.

Official figures revealed that 26% of the country's total population was severely affected – though not displaced – by the impact of Hurricane Tomas.















Data Analysis & Results **Statistical Test: Deriving p-value** □ Case 1 – Null Hypothesis: Count Deed -Property Safer NO **There is no relationship between a** Rent Unsure YES Grand Total 30 33 NO 2 4 69 given household's sense of safety YES 18 23 41 (from hurricanes, storm surges or Grand Total 56 110 48 2 4 floods), and being in possession of a deed. Expected Property Safer NO NO 30. Rent Unsure YES Grand Total • At the 95% significance level, the *p*-30.109 1.2545 2.5091 35.127 69 value was computed as 0.6424 (Table YES 17.891 0.7455 1.4909 20.873 41 Grand Total 48 2 4 56 110 1). The null hypothesis is accepted. p 0.6424

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 Case 2 – Null Hypothesis: Households have no preference towards a given method of disaster recovery on the basis of the possession or non- 	G = Government Ass	stance		
	P = Personal Funds			
	ND = No disaster Impact			
	NR = No Repairs/ Rec	NR = No Repairs/ Reconstructi		
	Count of Household	Deed 💌		
possession of a deed (assuming that the	Method of Recove	NO	YES	Grand Tota
deed is in fact a symbol of tenure	G	27	13	4
security).	ND	7	13	2
	NR	3	9	1
The <i>n</i> - <i>value</i> derived for this second	P	17	21	3
Chi-Square Test was 0.01783 (Table 3).	Grand Total	54	56	11
It therefore meant that at the 95% significance level, the Null Hypothesis was rejected.	Expected	Deed		
	Method of Recovery	NO	YES	Grand Tota
	G	19.6364	20.4	4
	ND	9.81818	10.2	20
There is a strong relationship between	NR	5.89091	6.11	1
possession of a deed and the preferred	P	18.6545	19.3	3
method of disaster recovery.	Grand Total	54	56	11
	p-value	0.01783		













