WHE-PAGER PROJECT: BUILDING CONSTRUCTION VULNERABILITY AND INVENTORY

This form is divided into 3 parts:

Part I: **Contributors' Information**
Part II: **Summary of Construction Types, Vulnerability and Population**
Part III: **Colleagues Consulted, Additional Sources of Information Used**

PART I: Contributors' Information

1. Country or Region (if you are only responding for part of a country, please indicate which geographic region. Note: the WHE strongly prefers national estimates, unless you have data that clearly apply to only one region):

GUATEMALA

2. Name(s) of Contributors

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3. Affiliation (Organization)

VILLATEK S.A.

4. Mailing address (include city and country)

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6. Your self-rating of expertise or confidence: On a scale of 1=low and 5=high, please estimate your level of expertise: 3

Part II: Summary of Construction Types, Vulnerability and Population

	Construction Material (choose from drop-down list)	Construction Subtype (Choose from drop-down list--refer to instructions to see complete list)	Probability of collapse (%) of building type when subjected to the specified shaking intensity				Fraction of population who LIVES in this building type		Fraction of population who WORKS in this building type		Peak average # of occupants per building	Label used in Census Data (INE-Guatemala)
			IX (~0.65-1.24g)	VIII (~0.34-0.65g)	VII (~0.18-0.34g)	VI (~0.092-.18g)	urban	rural	urban	rural		
1	Masonry	Adobe block walls		49,7	50,2	0,1						adobe
2	Masonry	Mud walls with horizontal wood elements		46,1	51,3	2,6						bajareque
3	Masonry	Confined brick/block masonry with concrete posts/tie columns and beams		84,4	15,4	0,2						ladrillo
4	Masonry	Reinforced concrete block masonry in cement mortar		85,3	12,6	2,1						bloque
5	Masonry	Large concrete block walls with concrete floors and roofs		93,6	5,6	0,8						cemento
6	Wood	Load-bearing timber frame wooden panel walls		51,7	37,2	11,1						madera
7	Wood	Load-bearing timber frame walls with bamboo/reed (wattle & daub)		48,0	42,2	9,8						lepa
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
	For other combinations, use blank fields below:											
21	Other	not specified in Census data		77,5	42,2	3,2						otro
22												
23												
24												
25												

26											
27											

Part III: Colleagues Consulted, Additional Sources of Information Used

1	Name	
	Affiliation	
	Mailing address	
	e-mail	

2	Name	
	Affiliation	
	Mailing address	
	e-mail	

3	Name	
	Affiliation	
	Mailing address	
	e-mail	

4 Sources of information you used (websites, publications, etc.) Please provide as much detail as possible.

Instituto Nacional de Estadística de Guatemala, INE	**Censo Nacional de Población y Vivienda 2002** (National Population and Housing Census, 2002). Published by INE; Guatemala, 2003.
Villagran de Leon, J.C.	**Riesgo Sísmico en el Sector Vivienda en Guatemala, un análisis de tendencias**. Published by VILLATEK S.A.. April, 2008

5 Additional comments

The Census data included in this report covers the Housing Sector only. It does not cover infrastructure for other types of uses.

The Census data is presented in a format which does not allow for a disgregration into urban and rural segments in relation to the type or sub-type of construction material as requested.

The Census data is presented in a format which does not allow for a disgregration into classes related to fraction of people who live or work in such buildings. In few cases, houses also serve as places of self-work (small businesses).

The Census data groups under the label "concrete" a variety of concrete structures. The one selected for this report has been selected on the bases of its generality.