

Clusters of Recovery: The rebuilding of coastal Mississippi following Hurricane Katrina

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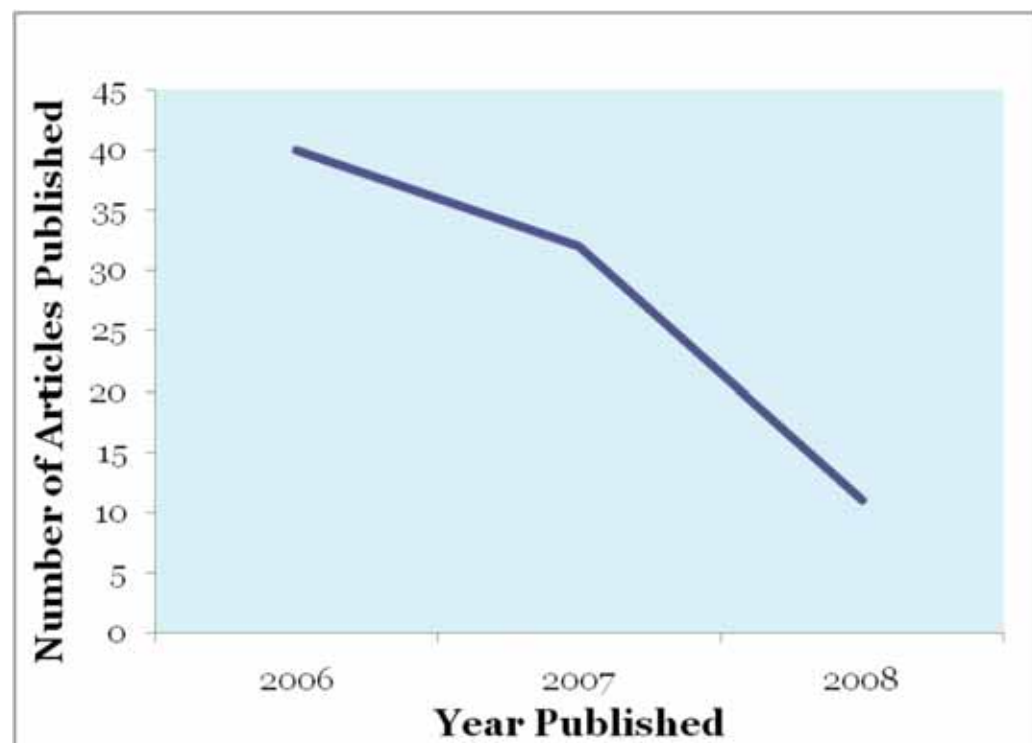


Photo source: Hazards Research Lab



Recovery Research Background

- Lack understanding of long term recovery
- Measuring Recovery:
 - Limitations of Methods –lack of resolution



(Research by: Erikson & Peek 2009)

Study Area



Methodology

- Data Types
 - Building Permits
 - Damage Categories
 - Census Data
- Data Processing

a)

b)

LOCATION	FEE TOTAL IN F	EST VALUE TO I	FEE TOTAL TO DV
1271 CENTURY OAKS DR A&B	30.00	0	30.00
1271 CENTURY OAKS DR A&B	30.00	0	30.00
1171 CENTURY OAKS DR A&B	30.00	0	30.00
1171 CENTURY OAKS DR A&B	28.00	0	28.00
1274 CENTURY OAKS DR A&B	30.00	0	30.00
1274 CENTURY OAKS DR A&B	30.00	0	30.00
1274 CENTURY OAKS DR A&B	30.00	0	30.00
1274 CENTURY OAKS DR A&B	28.00	0	28.00
1276 CENTURY OAKS DR A&B	30.00	0	30.00
1276 CENTURY OAKS DR A&B	28.00	0	28.00
1181 CENTURY OAKS DR A&B	30.00	0	30.00
1181 CENTURY OAKS DR A&B	28.00	0	28.00
1180 CENTURY OAKS DR A&B	30.00	0	30.00
1180 CENTURY OAKS DR A&B	30.00	0	30.00
1180 CENTURY OAKS DR A&B	30.00	0	30.00
1180 CENTURY OAKS DR A&B	28.00	0	28.00
1180 CENTURY OAKS DR A&B	30.00	0	30.00
2817 55TH AVE	30.00	0	30.00
2817 55TH AVE	22.00	0	22.00
3100 53RD AVE L 68	30.00	0	30.00

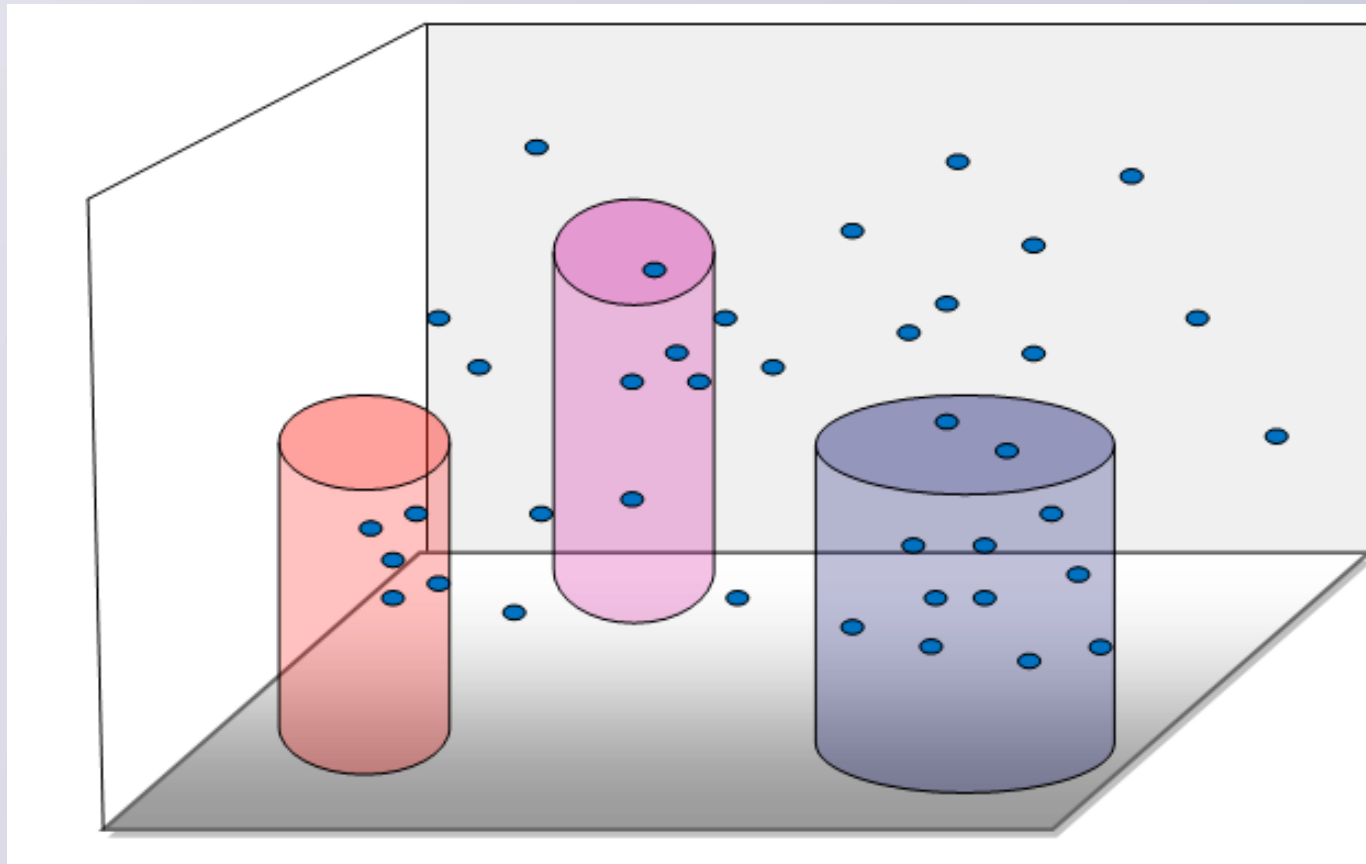
c)

City of Pass Christian
Detailed Building Permit Summary Report
8/1/2005 to 10/15/2007

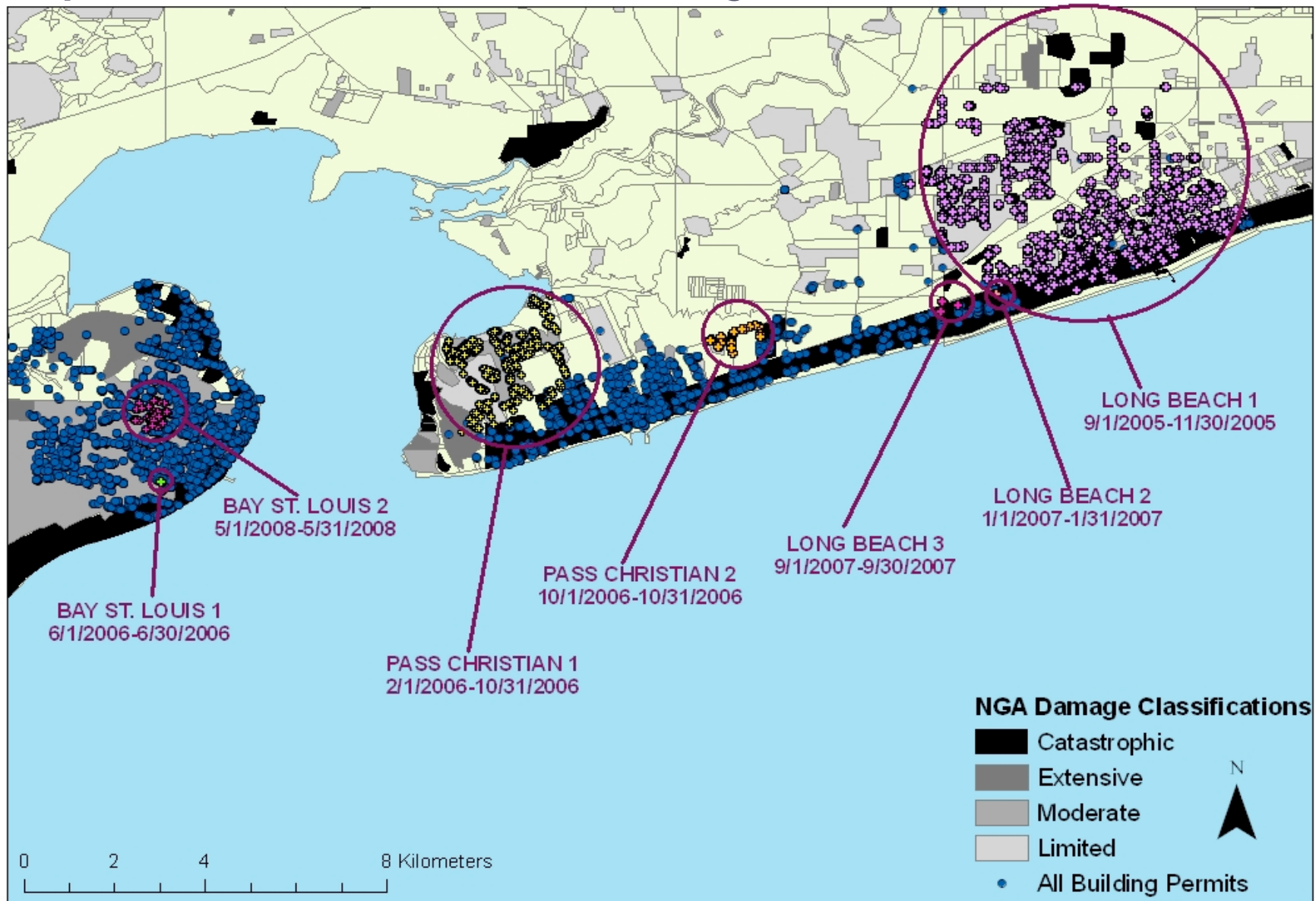
Permit #	Contractor	Address	Owner	Valuation	Type of w
B 9		814 ROYAL OAK BLVD	CHARLES OLIVER	\$50,000.00	Residential
B 7		105 POPLAR PT	TRAVIS LOTT, JR.	\$100,000.00	Residential
B 1		101 KELLY CV	RICHARD M. WAGNER	\$51,000.00	Residential
B 2		126 SHEET BAY DR	ONDY AND MARK SCONEAUX	\$80,000.00	Residential
B 3		229 FERWOOD DR	BRIAN BEALE	\$40,000.00	Residential
B 4		126 REDBUD WY	JOHN BABALAS	\$40,000.00	Residential
B 6		228 PINWOOD DR	RICK SERIO	\$40,000.00	Residential
B 5		221 HACKBERRY DR	KAREN CLARKE	\$45,000.00	Residential
B 11		138 FORREST ST	MICHAEL S. TONER	\$52,000.00	Residential
B 16		138 ASHARD ST	MICHAEL CANTRELL	\$20,000.00	Residential

d)

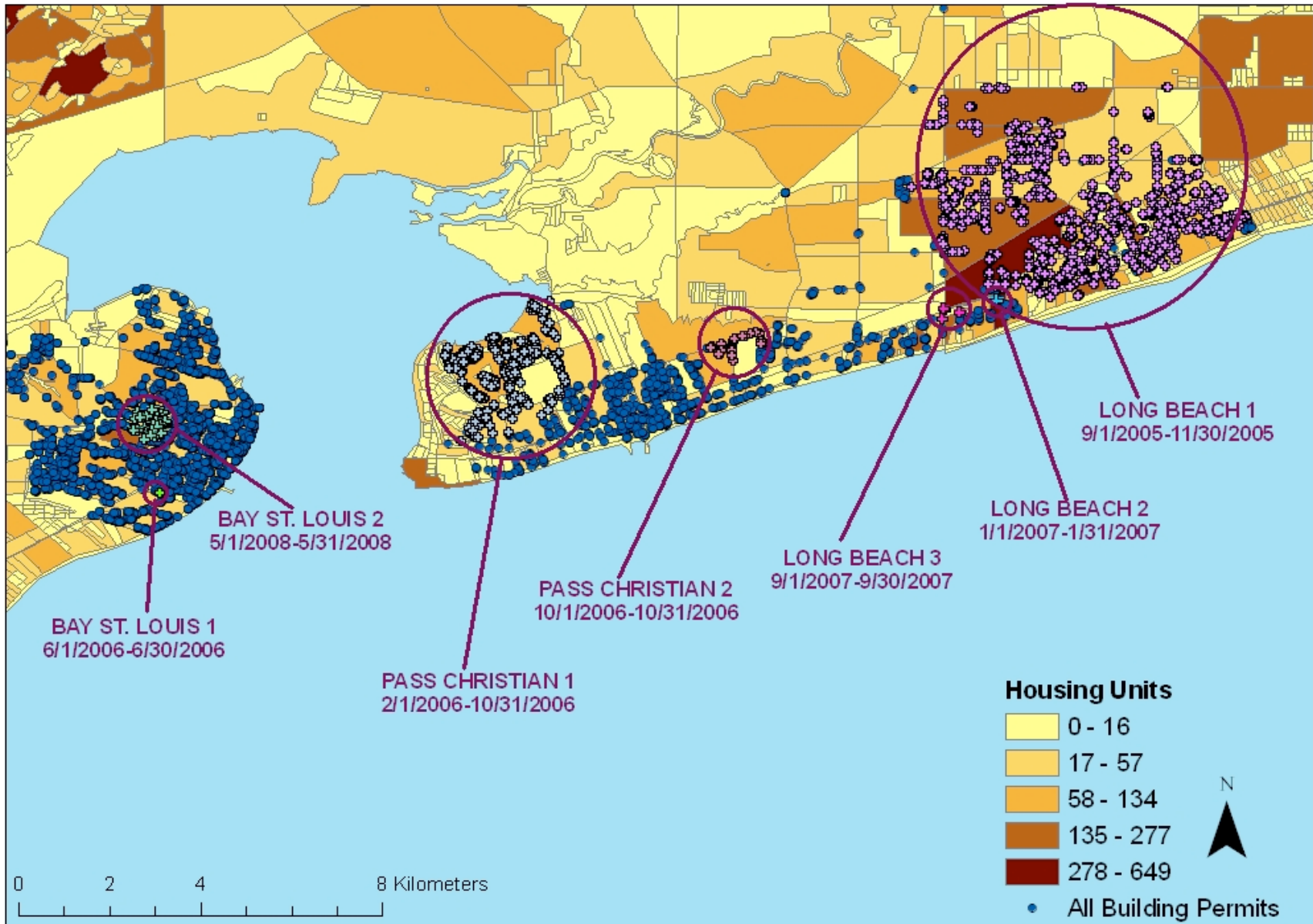
Spatial Scan Statistic



Space-time clusters & Damage classifications



Space-time clusters & Housing units per tract



Discussion

- Differential pace and distribution of rebuilding



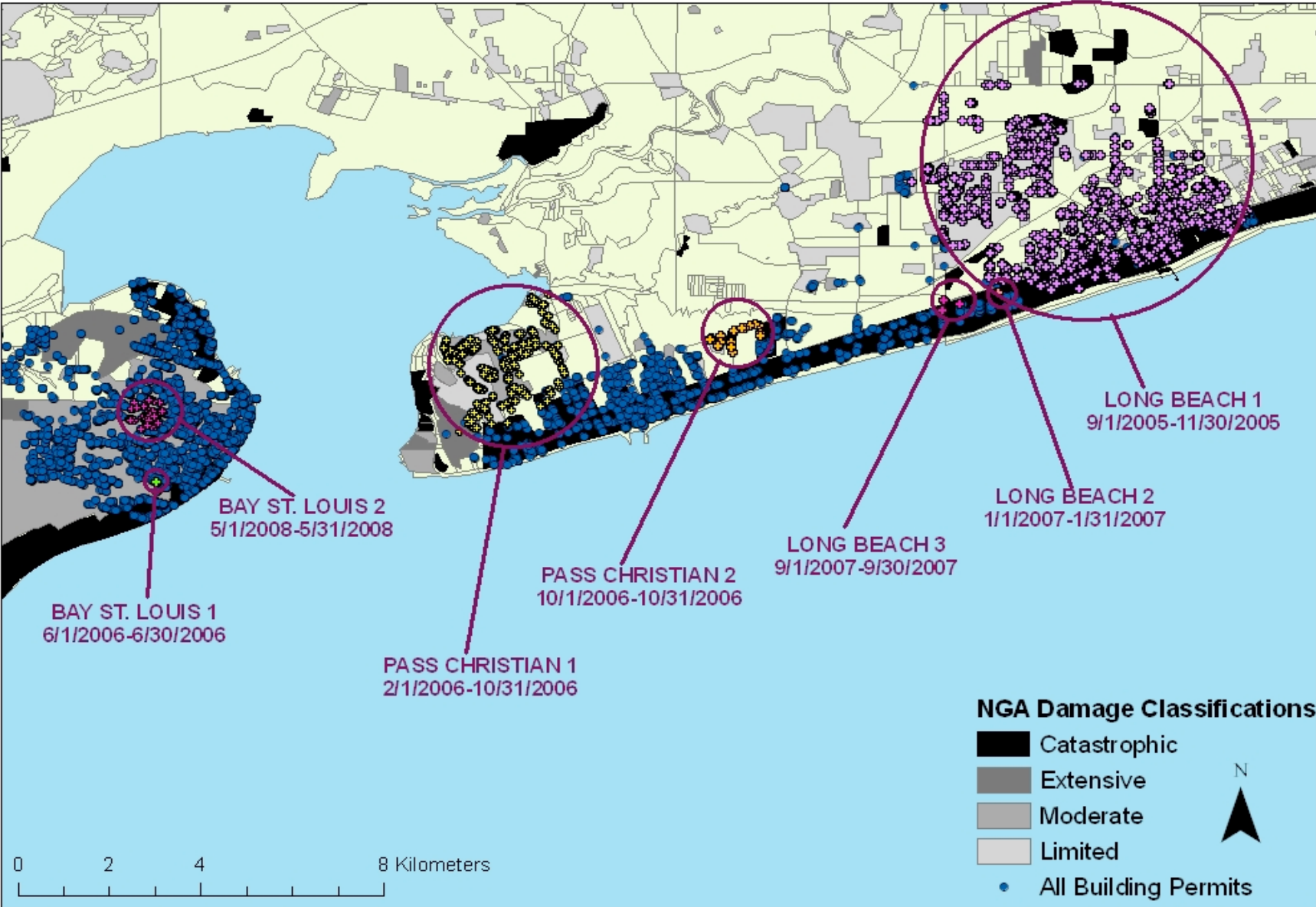
Oct. 2006 Pearlington, MS
Source: Hazards Research Lab



Oct. 2006 Waveland, MS
Source: Hazards Research Lab

- Damage Categories influence timing of rebuilding
- Number of housing units offer no clear trends

Space-time clusters & Damage classifications



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- Differential pace and distribution of rebuilding



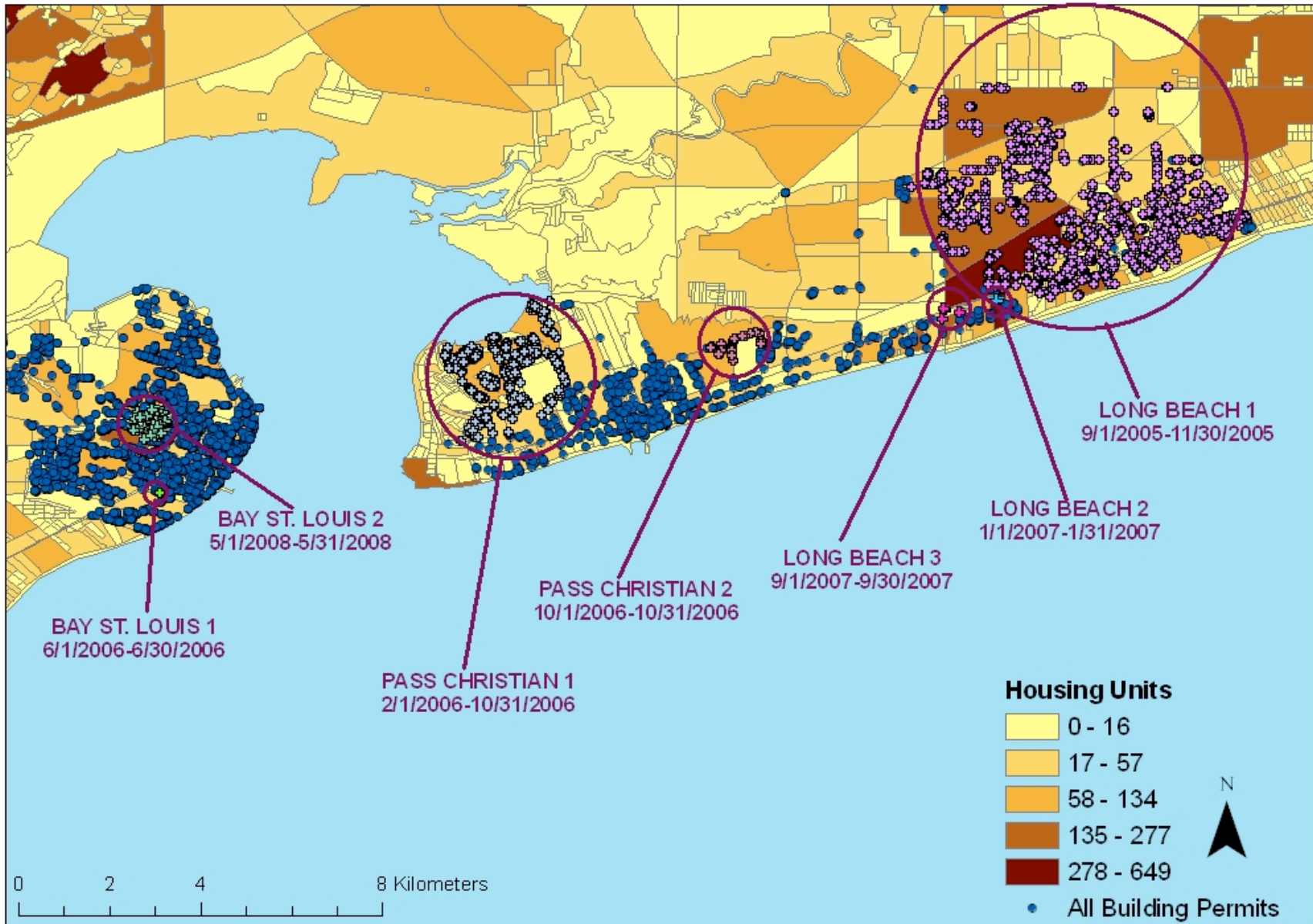
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Space-time clusters & Housing units per tract





Conclusions

- Practical Implications?
 - **Expect delays**
 - **Long-term resource distribution decisions**
 - **Potential to find out what is driving recovery – factors that cause clustering**
- Future Research & Potential