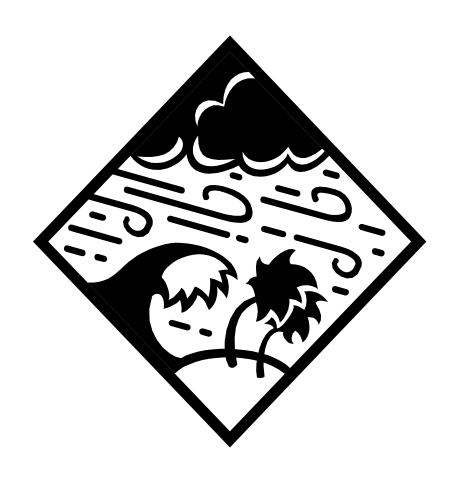
## SURVEY OF PROTECTIVE ACTION EXPERIENCES IN HURRICANE IAN



UNIVERSITY OF FLORIDA CIVIL AND COASTAL ENGINEERING

JACKSONVILLE STATE UNIVERSITY
CENTER FOR EMERGENCY
PREPAREDNESS

1. 2.	On average, how many times per day did you check each of the following			7 or
۷.	On average, how many times per day did you check each of the following sources for information about Hurricane Ian in the <i>three days</i> before landfall?	<u>1-2</u>	3-4	5-6 <u>more</u>
	a. Local authorities (e.g., Mayor, Sheriff/Police Chief, Emergency Coordinator)	$\Box$	$\Box$	$\dashv$ $\dashv$
	b. Local news media (e.g., newspapers, radio stations, television stations)	$\forall$	$\square$	$\dashv$ $\dashv$
	c. National news media (e.g., network news, Weather Channel)	$\vdash$	$\vdash$	$\dashv$ $\dashv$
	d. The Internet (e.g., National Hurricane Center)	$\vdash$	$\vdash$	<b>+ +</b>
	f. Phone or face-to-face contact with peers such as friends, relatives, or neighbors	H	$\Xi$	$\dashv$ $\dashv$
3.	As the storm approached, did you see any of the following displays on			∪ Very
٥.	TV, Internet, or social media (e.g., Facebook, Twitter)  Never			Frequently
	a. a forecast track showing the "best estimate" of the hurricane center?	$\cap$		
	b. an uncertainty cone only (also called an error cone)?	$\sqcap$		i i
	c. an uncertainty cone with a forecast track inside it?	$\sqcap$		T T
	d. an ensemble forecast ("spaghetti plot") showing the results of different models?	$\Box$		
	e. a wind swath showing the locations expected to be affected by hurricane wind?	$\Box$		
	Not at all	_		Almost
4.	As the storm approached, how likely did you think it was that <u>likely</u>	_	_	<u>certain</u>
	a. the eye of the storm would track through your community?			
	b. the storm would be a major (Category 4 or 5) hurricane when it struck?			
	c. you and or household members would be injured or killed if you stayed?			
	d. job disruptions would prevent you or household members from working?	$\bigcup$		
	e. traffic disruptions would prevent normal travel?			
_	Not at all			Almost
5.	As the storm approached, how likely did you think			<u>certain</u>
	a. your home would be inundated by (saltwater) storm surge?	$\Box$	$\sqcup$	$\dashv$ $\dashv$
	b. your home would be inundated by (freshwater) inland flooding?	$\Box$	$\sqcup$	$\dashv$ $\dashv$
	c. your home would be severely damaged or destroyed by storm wind?	$\Box$	$\square$	$\dashv$ $\dashv$
	d. your home's structure or foundation would be damaged, making it unlivable?	$\vdash$	$\square$	$\dashv$ $\dashv$
	e. basic services (water, electric power, telecommunications) would be lost?	$\vdash$	$\vdash$	$\dashv$ $\dashv$
	f. your roof, windows, or entrances would be broken?	$\vdash$	$\vdash$	$\dashv$ $\dashv$
	h. your air conditioner, appliances, and other equipment would be damaged?	H	$\Xi$	$\dashv$ $\dashv$
	i. flying debris or flood water would damage your furnishings, walls, and floors?	$\vdash$	H	7 H
_	— · · · · · · · · · · · · · · · · · · ·			
6.	What is the maximum water level above ground that you thought your home could toleral surge or flooding?	e before	being dama	ged by storm
	Less than 2.0 ft 2-3.9 ft 4-5.9 ft 6-7.9 ft 8-9.9	ft	□ 10	ft or more
			_	
7.	What is the maximum wind speed that you thought your home could tolerate before being			
	☐ Less than 73 mph ☐ 73-94 mph ☐ 95-109 mph ☐ 110-128 mph ☐ 1	29-155 m	ıph 📙 15	66 mph or more
ĺ	As a reminder: The National Hurricane Center issued a Storm Surge Watch and Hurrican	ne Watch	for Florida a	at 11:00 PM EDT
	on Sunday, September 25. These were upgraded to a Storm Surge Warning for Anclot			
	EDT on Monday, September 26 and a Hurricane Warning for Englewood to Anclote Rive			
	Hurricane Warning was extended south to Bonita Beach at 5:00 AM EDT on Tuesday,	Septemb	er 27 and to	Chokoloskee at
	5:00 PM EDT that same day. The hurricane made landfall at Fort Myers Beach about 3:0	5 PM on	Wednesday	, September 28.
0	When did you leave that your area might be threatened by the starm?			
8.	When did you learn that your area might be threatened by the storm?	37 O	W-40/20	☐ Th 0./20
	a. Day:  Fri 9/23 Sat 9/24 Sun 9/25 Mon 9/26 Tue 9/		Wed 9/28	☐ Thu 9/29
	b. Time:   AM	- PM -	7 0 0	10 11 Midwight
		$\frac{6}{1}$	7 8 9	10 11 Midnight
9.	After you noticed the potential storm risk, which actions did you take, Didn't Less	Betwee		
	and how many <i>hours</i> did your household spend doing them?	<u>2-4</u>	<u>4-8</u>	8-16 than 16
	a. Brace or reinforce the structure and/or foundation	Ц	Ц	у У
	b. Inspect and strap down roofs	$\sqcup$	$\sqsubseteq$	$\mathcal{L}$
	c. Inspect each window and door and caulk and/or make a cover for them	Ц	Ц	H
	d. Clean the yard and gutters and trim trees and foliage	$\bowtie$	$\bowtie$	H
	e. Tighten and secure outdoor items and eliminate flying objects	$\vdash$	$\vdash$	H
		$\asymp$	$\vdash$	H
	By the sandbags in front of doorways and garages	$\asymp$	$\asymp$	H
	i. Collect necessary supplies	$\asymp$	$\asymp$	H
	Concernococcary copplico	$\cup$	$\cup$	

10.	No (Go to Question 12) Yes		e for the approad )	oning storm?			
11.	During those local trips, how much did y	our household spend	on supplies? \$	Pro	perty protect	ion materia	als
	\$ Nonperishable food \$_	Bottled water	\$ Gas	\$	_ Batteries	\$	Flashlights
	\$ Medications	ilet paper \$	_ Other (please	specify)			
12.	To what extent did you consider the followhether to <i>protect your property</i> ?  a. Feeling your property was unsafe b. Seeing friends, relatives, neighbors	llowing reasons when	deciding ting their proper	Not at all 			Very great extent
	<ul><li>c. Hearing advice from government at</li><li>d. Hearing advice from insurance com</li></ul>	npanies or other busin	esses				
40	e. Previous personal experience with			_			<u> </u>
13.	To what extent did you consider the fol whether or not to <b>evacuate</b> ?  a. Seeing area businesses closing			Not <u>at all</u>			Very great extent
	<ul><li>b. Seeing friends, relatives, neighbors</li></ul>				H H	H	$\sqcap$
	c. Hearing an announcement of a hur						Ŏ
	d. Hearing local authorities issue a vo						
	e. Hearing local authorities issue a ma						
	f. Previous personal experience with				$\cup$		$\bigcup$
	g Previous experience with an unnec				$\cup$		$\sqcup$
	h. Concern about being infected by a				$\Box$	$\vdash$	$\sqcup$
	<ul><li>i. Concern about protecting your hom</li><li>j. Concern about protecting your hom</li></ul>				H		$\vdash$
	k. Concern about evacuation expense				H		H
	Concern about evacuation expense     Concern about lost income from your properties.				H		H
	m. Concern about traffic accidents dur				H H		$\sqcap$
	n. Concern about traffic jams during e						Ŏ
14	My household made the decision to eit	her evacuate or stay (	nn				
	a. Day: Fri 9/23 Sat 9/2 b. Time: AM		☐ Mon 9/26	3 4 5	27	<i>.</i>	Thu 9/29  11 Midnigh
15.	Did anyone in your household evacuat	e No (Go to Ques	stion 18) 🔲 <b>Y</b> e	es (How many	y members ev	acuated? _	)
	My household or the first group of my h						
	a. Day: Fri 9/23 Sat 9/2 b. Time: AM	_		☐ Tue 9/2	7 Wed	9/28 🗌	Γhu 9/29 ——▶
17.	1 2 3 4 5 6  How much do you estimate it cost your	7 8 9 10 11 household to evacuate		3 4 5 Odate if still ev	6 7 (	9 10	11 Midnigh
	\$ Transportation (e.g., g			Lod	-	1	ost income
18	After the storm, how much damage was the	, .	· • • • • • • • • • • • • • • • • • • •	None	Minor Mode		Total
10.	a. house structure and foundation?						<u> </u>
	b. roof?						Ŏ
	c. doors and windows?						
	d interior walls, floors, and furnishing						
	e. basic services (water, electric power				$\cup$		$\sqcup$
	f. air conditioner, home appliances,				$\Box$	$\square$	Ц
	g. pool, fence, annex buildings, and						
19.	Assume you had no other insurance, but the following impacts from a future hurri household against						
	a. a minor injury (no hospitalization) o	f a household membe	er		\$		
	b. a major injury (hospitalization) of a	household member			\$		
	c. a casualty of a household member						
	d. minor property damage (some repa						
	e. moderate property damage (remod						
	f. major property damage (the home)						
	i. Iliaidi property darriade (the nome	ıə uriiivaDIC)					

20.	Before Hurricane lan threatened your area, did you have any of the following in your home?  a. a battery powered radio with spare batteries  b. a smartphone or other handheld device that can access data services.  c. at least 4 gallons of water stored in plastic containers  d. a 4 day supply of dehydrated or canned food for yourself and your family  e. a first-aid kit  f. a flashlight and spare batteries  g. security film, shutters, or plywood to protect your windows from wind and debris  h. sandbags and sand to protect your house from flooding  i. an electric generator.  j. a household emergency plan  k. flood insurance		Unsure	Yes
21.	How many registered vehicles did your household have when Hurricane lan struck? ve	hicles	•	
	Did you rent or own the home where you lived at the time Hurricane lan struck? Rent Own			
	About how many years had you been living in your neighborhood when Hurricane Ian struck?		_years	
	Was this your primary or secondary residence? Primary Secondary  Which of the following best describes the type of structure in which you lived at the time you evacuated'  Detached single family home Multi-family, 1-2 stories Multi-family, 3 o  Mobile or manufactured home Other (please specify)	? r more	e stories	
	When Hurricane Ian struck, were you living in a  a. hurricane risk area?		Unsure	<u>Yes</u>
	What is your age? years old			
	What is your gender Male Female Prefer to self-identify  Which of the following best describes your resolutions of the following best describes and the following best describes your resolutions of the following best describes and the followin			
29.	Which of the following best describes your race/ethnicity?			ander
30	What is your marital status?			
	How many people (including yourself) in your household are: Under 1818-65	Over 6	S5 veare	
	Did any household members need medical assistance? No Yes, they evacuated Yes, t			•
	Did your household have any livestock or pets at the time Hurricane lan struck? (Check all that apply.)	iley ui	un t evacuat	C
JJ.	Yes, we had livestock; we evacuated of them.			
	Yes, we had pets; we evacuated of them.			
	No, we had neither.			
34.	What is your highest level of education? Some high school High school		uate/GED (Master, Doo	tor)
35.		00–54, 000 or		
	If you have any additional comments about your Hurricane lan experience, please w	vrite th	nem below.	
ſ	Thank you for the time you have taken to fill out this questionnaire. Please return it in the	e enve	elope provide	ed.