ISLAND HURRICANE EVACUATION SURVEY

(Personal Interview or Mail Survey)

OMB 0710-0001

Expires: 30 September 2012

The public report burden for this information collection is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this data collection, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Executive Services Directorate, Information Management Division, and the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503: Attn.: Desk Officer for U.S. Army Corps of Engineers. Respondents should be aware that notwithstanding any other provision of law, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Please DO NOT RETURN your completed form to either of these offices.

Island Hurricane Evacuation Survey OMB Control Number 0710-0001 Expiration Date September 30, 2012

Interviewer ID:
Name of Interviewer:
Questionnaire ID):
Describe the residence (Wood or cement; one floor or multiple floors; an individual house or apartments; color of the house, etc.). What type of roof does the structure have (cement, zinc or aluminum, etc.)?

Is the residence located in a valley, or on a hill, near the ocean or next to any other body of water? Describe and identify the distance between the home and the body of water, etc.
Date of interview:DayMonthYear Time the interviewer started: HourMinutes
INTRODUCTION
Hello, my name is Researchers from the are conducting a study regarding the impact of hurricanes and floods in, and the evacuation process in disaster events. This study is funded by the United States Army Corps of Engineers.
We would like to interview the head of the household. (If this person is not present we can interview any other person that is 18 years or older that lives in this residence).
This is a short interview; we estimate that it will last about 20 to 30 minutes. Participation is strictly voluntary, however your responses are very important to us since this information will help us to better prepare our population for disaster situations, and will allow government agencies to provide the necessary assistance in times of crisis.
Before we begin, please allow me to assure you that the information that you provide is confidential and will only be utilized to prepare statistical reports

For the purpose of our study, we would like to obtain information that will allow us to communicate with you in the future in case we should have any other questions regarding to your responses. We would like to assure you that this information will not be shared or distributed; it will be maintained for purposes specifically related to this study.

NOTE TO THE INTERVIEWER : Reiterate that this information will not be shared or distributed, and will be maintained specifically for research related to this study.							
QUESTIONS RELATED TO THE RESIDENCE AND THE COMMUNITTY							
1. Do you live in this residence <u>all year round</u> ?							
1 Yes Go to Q3 5 No Go to Q2							
2. Do you reside here at least $\underline{\text{during half}}$ of the hurricane season, from June 1st to November 30th?							
1 Yes Go to Q3 5 No End the interview 90 Doesn't know End the interview 91 Refuse End the interview							
NOTE TO THE INTERVIEWER: If the answer is "No" end the interview by saying "Thank you for your time, but we are looking for people that are in this region during that time frame. Once again, thank you. Goodbye."							
3. How long have you and your family been living in this residence/apartment?							
Months Years							
4. How long have you and your family been living in this community?							
Months Years							
HOUSEHOLD RESIDENTS							
5. How many people live with you in your residence, including yourself?							

6. Could you indicate who these people are and their relationship to the head of the household?

NOTE TO THE INTERVIEWER: We don't need the names of the people, we just need the information that appears below.

Sex/Gender of person	Age	Relationship to the head of the household (Husband/Wife, Children,)
		
		
		
		
		
		

LOCATION OF THE RESIDENCE IN AT RISK AREAS

7. Can you indicate if this residence is located in an area where it could be affected by the following hazards?

	Yes	No	Doesn't know	Refuse
7a. Floods by rain	1	5	90	91
7b. Floods by overflow of a river or lake	1	5	90	91
7c. Floods by storm surge or wave action	1	5	90	91
7d. Hurricanes	1	5	90	91
7e. Strong Winds	1	5	90	91
7f. Landslides	1	5	90	91
7g. Flood by tsunami	1	5	90	91
7h. Earthquakes	1	5	90	91

8. Could you indicate if your residence is located near a body of water; for example, the sea, a river, or a lake?

	Yes	No	Does not	Refused
			know	
8a. Ocean/Sea	1	5	90	91
8b. River	1	5	90	91
8c. Lake	1	5	90	91
8d. Other (8d1. Please Specify:)	1	5	90	91

- 9. Approximately, how far is your house from the **closest** body of water? **(PROVIDE THE DISTANCE CARD TO THE INTERVIEWEE)**
 - <u>1</u> Less than a block
 - _2_ More than a block but less then a quarter of a mile
 - _3_ More than a quarter of a mile but less than 1 mile
 - _4__ More than 1 mile
 - _90_ Does not know
 - _91_ Refused

TYPE OF RESIDENCE/HOUSE

- 10. Which of the following best describes the structure of this house? **(PROVIDE THE HOUSE STRUCTURE CARD TO THE INTERVIEWEE)**
 - <u>1</u> Mostly wood
 - _2_ Mostly cement
 - _3_ Mostly wood and cement
 - _4_ Multifamily building
 - _5_ Another type of structure_____
 - _90_ Does not know
 - <u>91</u> Refused
- 11. Is your house elevated on stilts?
 - <u>1</u> Yes
 - <u>5</u> No
 - 90 Does not know
 - 91 Refused

"DISASTER" EXPERIENCES IN YOUR CURRENT RESIDENCE

12. Since you began living in this residence, have any of the following natural hazards occurred that have affected you, your residence or the people that live with you?

Event	Yes	No	Does not know	Refused	Date (month/yr)
12a. Flood by rain?	1	5	90	91	13a1.
12b. Flood by overflow of rivers, lakes, or other body of water?	1	5	90	91	13b1.
12c. Flooding from storm surge or wave action?	1	5	90	91	13c.1
12d. Hurricanes?	1	5	90	91	13d1.
12e. Strong Winds?	1	5	90	91	13e1.
12f. Landslides?	1	5	90	91	13f1.

13. For the abovementioned events that impacted you or your family in your current residence, can you briefly describe the event, how you were affected, if there were any financial loses or if you had to evacuate the residence?

NOTE TO THE INTERVIEWER: The interviewer must assure that the previous questions are answered, among other issues that may emerge.	

POTENTIAL HAZARD EVENTS

Suppose that there is a very strong hurricane in the that is coming towards, let's say it is a Category 3 (wind speeds between 111 and 130 mph). It is a dangerous storm and it looks like it <u>could</u> hit this area. The National Hurricane Center has announced a <u>watch</u> for this area. In other words, it is possible that within the next 36 hours you may be exposed to hurricane conditions, but there could be floods in low-lying areas and roads before the worst part of the hurricane arrives. Nevertheless, public officials <u>have not</u> advised to take any specific actions
14. Do you think that you and the people that live with you would evacuate under such circumstances? (When we say evacuate, we mean go to another place where you believe it will be safe if the hurricane hits, it could be in the surrounding area or far away).
Yes, most likely we would evacuate (Go to Question 15) No, most likely we would not evacuate 14A. Would you please indicate the reasons why you would not evacuate? Please check all that apply (PROVIDE THE EVACUATION CARD TO THE INTERVIEWEE)
_1 My house is safe _2 I do not have transportation _3_ I do not have anywhere to go _4_ I want to protect my property from vandalism and looting _5_ I want to protect my home from the hurricane _6_ I left once before and nothing happened _7_ My job requires me to stay, I need to work _8_ I don't want to leave my pets _9_ Other Reason/ Please Specify _90_ Does not know _91_ Refused

15. Let's assume that this storm (Category 3 with wind speeds ranging from 111 and 130 mph) is now much closer. The National Hurricane Center has announced a **Warning** for this area, which means that hurricane conditions are expected within the next 24 hours, and public officials **have ordered** citizens to evacuate.

Under these circumstances, do you think that you or the people living with you will evacuate the home?

- 1 Yes, we would most likely evacuate (**Go to question 16**)
- 5 No, most likely we would not evacuate
- 90 Does not know
- 91 Refused

15A. Can you please indicate the reasons why you and your family would not evacuate? (Please select all that apply). **(PROVIDE THE EVACUATION CARD TO THE INTERVIEWEE)**

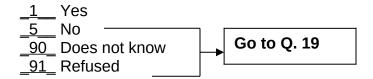
_1 My house is safe _2 I don't have transportation _3 I don't have any place to go _4 I want to protect my property from vandalism and looting _5 I want to protect my home from the hurricane _6 I evacuated last time and nothing happened _7 My job requires me to stay, I have to work _8 I don't want to leave my pets _9 Other reason (please, specify) _90 DOES NOT KNOW _91 REFUSED	→ GO TO Q.18
16. You indicated that, under circumstances of extreme danger, you and you would evacuate. Can you indicate where you will probably go?	ır family
1 A public shelter _2_ A church _3_ A friend's home _4_ A family member's home _5_ A hotel or motel _6_ To your job _7_ Another place (Please specify: _90_ Does not know _91_ Refused)
17. If you evacuate, would you stay in the same community or would you go place?	to another
1 I would stay in the same community _2_ I would go to another community (Specify the community:)

17A. Once you have heard public officials give an order to evacuate this area, how long do you think it would take your family to be ready to leave this residence.

	Less than 1 hour
	1 to 2 hours
	2.01 to 5 hours
	5.01 to 10 hours
	10.01 to 18 hours
	18.01 to 24 hours
-	Greater than 24 hours

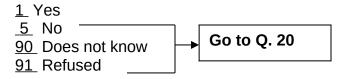
91 Refused

18. Is there a location close to your residence that has been designated as a public shelter for residents that would need to evacuate in case of an emergency or a disaster?



18A. If there is a location that serves as a public shelter, how far away is it from your home? **(PROVIDE THE CARD TO THE INTERVIEWEE)**

- _1__ Less than a block
 2 More than a block but less then a quarter of a mile
 3 More than a quarter of a mile but less than 1 mile
 4 More than 1 mile
 90 Does not know
- 19. If you had to evacuate, do you have friends or family that you **<u>could</u>** stay with instead of going to a public shelter?

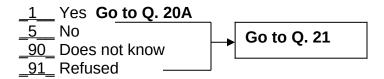


19A. How far away do these family or friends live from your home? **(PROVIDE THE DISTANCE CARD TO THE INTERVIEWEE)**

- _1_ Less than a block
- _2__ More than a block but less then a quarter of a mile
- 3 More than a quarter of a mile but less than 1 mile
- _4_ More than 1 mile
- 90 Does not know
- 91 Refused

RESIDENTS WITH SPECIAL NEEDS

20. Is there someone in your home that needs special assistance during an emergency or a disaster?



20A. If there is anyone in your home that would need special assistance, please indicate this or these person's condition? Please tell me all that may apply. (**PROVIDE THE HEALTH CONDITION CARD TO THE INTERVIEWEE**)

Condition	Yes	No	DO NOT KNOW	REFUSE
20a1. Blindness?	1	5	90	91
20a2. Deafness?	1	5	90	91
20a3. Is the person unable to walk?	1	5	90	91
20a4. Someone who can only walk with assistance?	1	5	90	91
20a5. Someone with a chronic disease such as cancer, diabetes or Alzheimer's or any other disease of this type?	1	5	90	91
20a6. Mental conditions?	1	5	90	91
20a7. Other diseases? Which?	1	5	90	91

to this person?
1 An agency (Which agency?) _2_ A friend or family member in the home _3_ A Friend or family member outside the home _5_ Other (Please specify:) _90_ Does not know _91_ Refused
20C. In a crisis or disaster situation, would this person need special transportation (e.g., ambulance) or another type of special services?
1 Only transportation (Ambulance) _2 Special Needs/ 20c1. Please Specify3 Other/ Specify 20c2. Please Specify4 Does not know _5 Refused
20D. Do you think that public shelters have the necessary resources to provide assistance to the resident(s) of your house that have special needs?
<u>1</u> Yes <u>5</u> No <u>90</u> DOES NOT KNOW <u>91</u> REFUSED
TRANSPORTATION IN THE RESIDENCE
21. Please indicate how many cars or other motorized vehicles in working order are available to you at your residence?
Number of motorized vehicles None90 DOES NOT KNOW91 Refused
22. How many motorized vehicles would you and the members of your family use during an evacuation?
Number of motorized vehicles None Does not know REFUSED

20B. In an emergency or disaster situation, who is responsible for providing assistance

			ovide transportation to evacua	-		
<u>1</u> Yes	<u>_5</u> _No	<u>90</u>	DOES NOT KNOW	91 REFUSED		
	24. In a disaster situation like a hurricane or a flood, do you expect to tow a trailer, boat or a motor home or any other equipment?					
<u>_1</u> _ Yes	_5_ No	<u>90</u>	DOES NOT KNOW	91 REFUSED		
EXPERIENCE AN	D BEHAVIOR	WIT	H PREVIOUS DISASTERS			
25. Could you tell used to community since years.			ost recent event or disaster to g here?	hat impacted this		
Type of Event (sele	ect the most re	cent):			
1 Flood by ra _2_ Flood by ov _3_ Flood by su _4_ Hurricanes _5_ Strong wind _6_ Landslide _7_ Other (Spe _8_ None _90 DOES NO _91_REFUSED	verflow of river urge or wave a ds cify)	ctior	. •			
We would like to as identified in the pre			in relation to the most recen	t event that you		
26. Can you tell us	the approxima	ite d	ate when this event took plac	e?		
Month:Y	'ear:					
26A. If the event w	as a hurricane	, col	ıld you please indicate the na	me of the hurricane?		
Name of hurricane	: 					

27. Before the event or disaster, did you hear any public official indicating that you had to evacuate your area or home?
1 Yes _2_ No _3_ Cannot remember _90 DOES NOT KNOW _91 REFUSED
28. What did you do during this event or disaster? (PROVIDE THE DISASTER ACTION CARD TO THE INTERVIEWEE)
29. Did you live in this area and were you in your home in when Hurricane occurred?
1 Yes 5 No 90 CANNOT REMEMBER / DOES NOT KNOW 91 REFUSED — Go to Q. 33
30. During Hurricane in did you hear a warning to evacuate the area?
<u>1</u> Yes <u>5</u> No <u>90</u> CANNOT REMEMBER / DOES NOT KNOW <u>91</u> REFUSED

31. What did you do during Hurricane? (PROVIDE DISASTER ACTION CARD TO INTERVIEWEE)
32. Was your house flooded during Hurricane?
1 Yes 5 No 90 DOES NOT KNOW / CANNOT REMEMBER 91 REFUSED BEHAVIORAL PATTERNS DURING A HURRICANE
33. During a weak hurricane, suppose of a category 2 or less, with sustained winds of <i>less than 110 mph</i> , do you think your home would be at risk of flooding due to tides of waves?
1 Yes 5 No 90 DOES NOT KNOW / CANNOT REMEMBER 91 REFUSED
34. Considering wind as much as water, do you think it would be safe for you and you family to stay in your home during a weak hurricane, meaning one with winds of <u>less</u> <u>than 110 mph</u> ?
1 Yes 5 No 90 DOES NOT KNOW / IS NOT SURE 91 REFUSED

35. During a weak hurricane do you think public officials would call for an evacuation in your neighborhood, sector or community?
1 Yes 5 No 90 DOES NOT KNOW / IS NOT SURE 91 REFUSED
36. In a weak hurricane, would you evacuate at the request of public officials?
1 Yes 5 No 90 DOES NOT KNOW / IS NOT SURE 91 REFUSED
37. In a strong hurricane with winds of <u>over 125 mph</u> , do you think your house would be in danger of floods due to storm surge or high waves?
1 Yes 5 No 90 DOES NOT KNOW / IS NOT SURE 91 REFUSED
38. Considering wind as much as water, do you think it would be safe to stay in your home during a strong hurricane?
1 Yes 5 No 90 DOES NOT KNOW / IS NOT SURE 91 REFUSED
39. In the case of a strong hurricane, if public officials ordered people at risk to evacuate, do you think the order would include you?
1 Yes 5 No 90 DOES NOT KNOW / IS NOT SURE 91 REFUSED
40. In a strong hurricane, would you evacuate at the request of public officials?
1 Yes 5 No 90 DOES NOT KNOW / IS NOT SURE 91 REFUSED

your home? Please be as specific as possible.	evacuate

INFORMATION ABOUT DISASTER SITUATIONS

42. There are many ways to obtain information about threatening natural disasters, which of the following do you utilize? **(PROVIDE THE MEDIA CARD TO THE INTERVIEWEE)** Please select all that apply.

			Used or not	
Source	Yes	No	Does not know	REFUSED
42a. Local Television, such as,,,, or	1	5	90	91
42b. Cable or Satellite Television such as CNN, NBC, CBS, FOX, Weather channel, etc.	1	5	90	91
42c. Local Radio	1	5	90	91
42d. Newspaper	1	5	90	91
42e. Internet	1	5	90	91
42f. Friends	1	5	90	91
42g. Relatives	1	5	90	91
42h.Other Specify	1	5	90	91

43. Thinking about those same disaster information sources, using a scale from 1 to 10, where 1 means that you don't trust in this source and 10 being that you have plenty of trust in this source, how many points would you give each source? Remember you can give any points between 1 and 10. **(PROVIDE THE MEDIA CARD TO THE INTERVIEWEE)**

	Used or not		not
Source	Points	Don't know	REFUSE
43a. How about your local television stations such as,, or, how many points would you give them?		90	91
43b. Cable or Satellite Television (CNN, NBC,CBS, FOX, Weather channel, etc.)		90	91
43c. Local Radio		90	91
43d. Newspaper		90	91
43e. Internet		90	91
43f. Friends		90	91
43g. Relatives		90	91
43h.Other. 43h1. Specify		90	91

44. Thinking of different agencies and government officials that provide information when there are disaster situations, using a scale from 1 to 10, where 1 signifies that you do not trust this source and 10 being that you completely trust this source, what score would you give each of the following sources? Remember that you can give each source a score between 1 and 10.

Source	Points	Doesn't know	REFUSE
44a. What score would you give to the Emergency Management office of this municipality ?		90	91
44b. The State Emergency Management Agency?		90	91
44c. The State police?			
44d. What about the Fire Department?		90	91
44e. The National Weather Service?		90	91
44f. The mayor of this municipality?			
44g. The governor?		90	91

DISASTER PREPAREDNESS

45. Do you have any type of insurance that covers damages to your residence or property resulting from the impact of a disaster (floods, hurricanes, etc.)?

- <u>1</u> Yes
- <u>5</u> No
- 90 Does not know
- 91 Refused

46. There is a variety of equipment that can help people deal with or better respond to a disaster situation like a hurricane. I am going to read you a list of these types of equipment. Please indicate which of them you have or are used to having in your home during the hurricane season.

	Yes	No	Does not	REFUSED
			know	
46a. Do you have a power generator	1	5	90	91
46b. Lantern or flashlight?	1	5	90	91
46c. A battery operated radio?	1	5	90	91
46d. A NOAA weather radio?	1	5	90	91
46e. An oil lamp?	1	5	90	91
46f. Candles?	1	5	90	91
46g. A Cistern or water tank?	1	5	90	91
46h First Aid Kit?	1	5	90	91
46i. Any other thing? (Specify:)	1	5	90	91

47. Do you have a family plan for disasters?

- _1_ Yes
- <u>5</u> No
- 90 Does not know
- 91 Refused

Finally, for statistical purposes, we would like to collect some demographic information. *Remember that all of these answers will remain strictly confidential*.

48. In what year were you born? (WRITE DOWN THE YEAR)

	•
99	REFUSED

49. Do you have any pets in your home?
1_Yes _5_No 90_Does not know 91_Refused
50. What is the highest level of education that you completed? (PROVIDE THE EDUCATION CARD TO THE INTERVIEWEE)
51. Which of the following options best describes your current situation in reference to a job outside the home? (HAND WORK CARD)

52. Which of the following categories best describes t 2007? Please only indicate the letter that corresponds	
1 Less than \$5,000 (A) _2_ \$5,000-9,999 (B) _3_ \$10,000-19,999 (C) _4_ \$20,000-29,999 (D) _5_ \$30,000-39,999 (E) _6_ \$40,000-49,999 (F) _7_ \$50,000-59,999 (G) _8_ \$60,000-69,999 (H) _9_ \$70,000 or higher (I) _90_ Does not know _91_ Refused	
53. Are you or your family owners of this house/aparti	ment or are you renting?
1 Owners of this home/apartment (A Mortga _2_ Renting _90_ Does not know _91_ Refused	age falls into this category)
54. If you're the owner of the home/apartment, would approximate value of your home?	you please indicate the
\$ 90_ Does not Know 91_ Refused	
We have now concluded the interview. However, there is it possible for my supervisor to contact you to verify Can you please provide your phone number or your established to verify that this interview was conducted separately from the other information that you have	that I conducted this interview? mail. <i>This information will only</i> tted and will be saved
Phone Number:	
Email:	

THIS COMPLETES OUR INTERVIEW. THANK YOU FOR YOUR TIME AND INFORMATION.

Time the interview ended	Ηοι	ır	Minutes
Interview Length	Min	utes	
QUESTIONS TO BE ANSWERED THROUGH DIRECT OBSERVATION			
Gender of the person being intervi	ewed:		
Male Female			
Comments about the interview (Disirregularities, problems, etc)	sposition of the	person being int	erviewed,

DISTANCE CARD

DISASTER ACTION CARD ____I stayed in the house I evacuated to: ____A public shelter in my community ____A public shelter outside of my community A hotel/motel in my community A hotel/motel outside of my community ____A family's or friend's house in my community ____A family's or friend's house outside of my community ____A church in my community ____A church outside out of my community ____My workplace in my community My workplace outside of my community _____ Another place within ______; please specify:_____ ____I traveled outside of _____; please specify:_____ **INCOME CARD** ____A. Less than \$5,000 B. \$5,000-9,999 C. \$10,000-19,999 D. \$20,000-29,999 E. \$30,000-39,999 ___F. \$40,000-49,999

___G. \$50,000-59,999

____H. \$60,000-69,999

I. \$70,000 or higher

MEDIA CARD

Local	televisión, such as,	,, or
Cable	Television or Satellite (CNN, NBC,	, CBS, FOX, etc.)
Local	Radio	
News	papers	
Interne	et	
Friend	ds	
Family	y Members	
Other	sources (Specify:)
EDUCATION CARE)	
Less th	an High School	
Various	s years of High School	
I gradua	ated from High School	
Some y	years of College/ University	
Comple	eted a Bachelors Degree	
Comple	eted a Masters degree	
Comple	eted a Doctorate	
Comple	eted a professional degree (MD/Doo	ctor, Dentist, Lawyer)
Other. I	Please Specify	
WORK CARD		
I am en	mployed full time (35 hours or more	a week)
I am en	nployed part time (less than 35 hou	ırs a week)
I am un	nemployed	
I am ret	tired	
I am a s	stay at home father/mother/spouse	
I am a f	full-time Student	