Appendix A

Semi-Structured Interview Guide – Community Leaders

Section	Questions	Probes
A. Role as a community Leader	1. [ASK ONLY IF THE PERSON IS PART OF AN ORGANIZATION] Can you tell me about the activities your organization have undertaken since Hurricane Irma?	[Probes: Ask specifically about activities related to disaster recovery, mitigation and sea level rise if they are not mentioned]
	2. Please tell me about your overall role and responsibilities as a community leader since Hurricane Irma.	[Probes: helping with housing recovery, business recovery, psychological recovery]
B. Community Concerns and Impact	1. What were the top 3 challenges that the residents of Florida Keys had prior to Hurricane Irma?	[Probes: Affordable Housing, Jobs, Safety, Lifeline Infrastructure (Roads, Power, Water), Social Infrastructure (Hospitals, Schools), Hurricanes, Sea Level Rise]
	2. Can you tell me what made these issues the top challenges for the residents prior to the Hurricane?	[Probes: Ask specifically about the top, second top and third top challenge]
	3. Why do you think sea level rise was (OR WAS NOT) a major challenge for the residents prior to the hurricane?	
	4. How were the residents of Florida Keys impacted by Hurricane Irma?	[Probes: Ask about different types of impacts: its impact on their housing, jobs, environment, and schools if not mentioned]
	5. Where do most people who were displaced by Hurricane Irma live right now?	[Probes: outside the Keys; staying in hotels, staying in trailers, staying with their relatives and friends]
C. Those Who Relocated	1. Please tell me to what extent you agree or disagree with the following statement: More Florida Key residents have stayed or returned to rebuild after Hurricane Irma than those who have relocated to outside the Keys.Strongly disagreeDisagreeNeutralAgreeStrongly agree	[close-ended questions]
	2. Why do you think some of the residents have not returned after the hurricane?	[Probes: no home to return to, no jobs, no bonds to place or people, insufficient resources, sea level rise]

	3. Who do you think has helped the residents who wanted to relocate to areas outside the Keys after Hurricane Irma the most?	[Clarification: These could be individuals or agencies. Probes: their friends and relatives, NGOs from other parts of the U.S., and the government]
	4. Please tell me to what extent you agree or disagree with the following statement: Florida Keys' residents' decisions to relocate after Hurricane Irma were motivated by risks associated with sea level rise.	
	© © © © © © © O O O O O O O O O O O O O	
	5. Please tell me why you think this way. Why do you think risks associated with sea level rise were (or were not) a factor for residents who relocated to other areas after the hurricane?	
D. Those Who Returned to Rebuild	1. Why do you think some residents who were displaced by the hurricane returned or stayed here to rebuild?	[Probes: their bond to place and people, insufficient resources to relocate]
	2. Please tell me to what extent you agree or disagree with the following statement: Florida Keys' residents' decisions to stay and rebuild after Hurricane Irma were concerned with risks associated with sea level rise.	
	3. Please tell me why you think this way. Why do you think risks associated with sea level rise were (or were not) a factor for residents who stayed here to rebuild after the hurricane?	
	4. What have been the top 3 challenges faced by those who returned or stayed here to rebuild?	[Probes: Bureaucracy, Lack of Affordable Shelter, Lack of Jobs, Safety, Lack of Lifeline Infrastructure (Roads, Power, Water), Lack of Social Infrastructure (Hospitals, Schools), Ongoing Hurricane Risks, Sea Level Rise]
	5. Can you tell me what makes these issues the top challenges for those who returned or stayed here to rebuild after the hurricane?	[Probes: Ask specifically about the top, second top and third top challenge]
	6. Who do you think has helped the residents who returned or stated here to rebuild after Hurricane Irma the most?	[Clarification: These could be individuals or agencies. Probes: their friends and relatives, community based organizations, NGOs from other parts of the U.S., the government, local leaders]

E. Disaster Recovery	1. What does recovery following a disaster	[Clarification: Please keep in
Process	mean to you?	mind that there is no right or wrong answer to this question. I
		am simply trying to understand
		your perspective on recovery.]
	2. How would you assess the recovery in your community?	[Probes: In what areas (e.g., housing jobs) has there been
	your community.	progress? In what areas are there
		still some works to do?]
	3. How would you like the government to rebuild the Keys?	
	4. What are the top 3 recovery priorities of your community within the next six months?	
	5. Can you tell me why these are your community's top 3 recovery priorities within the next six months?	
	6. What are the top 3 recovery priorities of your community within the next 5-10 years?	
	7. Can you tell me why these are your community's top 3 recovery priorities within the next 5-10 years?	
F. Sea-Level Rise Adaptation and Mitigation	1. How do you think Florida Keys would be impacted by sea level rise in the future?	[Probes: its impact on housing,businesses, infrastructure]
	2. In what ways do you think Florida Keys is resilient when it comes to addressing risks associated with sea level rise?	
	3. If you had to choose one particular group among the residents in Florida Keys that is concerned about sea level rise the most, which group would that be?	[Probes: younger generations, those who are better off, homeowners in low lying areas]
	4. Please tell me why you think this particular group is concerned about sea level rise the most.	
	5. In what ways do you think relocation or rebuilding decisions of this particular group were affected by risks associated with sea level rise?	
	6. If you had to choose one particular group in Florida Keys among the residents that will be impacted by sea level rise the most, which group would that be?	[Clarification: This group might be different than the group that is concerned the most about this issue. You can clarify is this is
		the same group you mentioned above. Probes: younger generations, those with limited resources, homeowners in low lying areas, real estate professionals]

7. Please tell me why you think this particular group will be impacted by sea level rise the most	
8. In what ways do you think relocation or rebuilding decisions of this particular group were affected by risks associated with sea level rise?	

Now please tell me to what extent you agree or disagree with the following statements about Florida Key residents who relocated to other areas:

Risks associated with sea level rise played an important role in relocation decisions of younger generations.	Strongly disagree	© Disagree	O Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of families with young children.	Strongly disagree	O Disagree	O Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of senior populations.	Strongly disagree	© Disagree	O Neutral	⊖ Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those whose homes were significantly damaged from the hurricane.	Strongly disagree	O Disagree	O Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those with high income.	Strongly disagree	Oisagree	O Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those with low income.	Strongly disagree	© Disagree	O Neutral	_ Agree	Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those who were home owners before the storm.	Strongly disagree	O Disagree	O Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those who were tenants before the storm.	Strongly disagree	O Disagree	O Neutral	O Agree	© Strongly agree

Risks associated with sea level rise played an important role in relocation decisions of those who owned their business in Florida Keys before the storm.	Strongly disagree	© Disagree	© Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those with a college degree.	Strongly disagree	© Disagree	© Neutral	_ Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those who did not have a college degree.	Strongly disagree	© Disagree	© Neutral	⊜ Agree	© Strongly agree
Now please tell me to what extent you who returned or stayed to rebuild after the		gree with the fol	lowing stateme	ents about Flo	rida Key residen
Risks associated with sea level rise played an important role in rebuilding decisions of younger generations.	Strongly disagree	© Disagree	© Neutral	© Agree	Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of families with young children.	Strongly disagree) Disagree) Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of senior populations.	© Strongly disagree	© Disagree	© Neutral	_ Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those whose homes were significantly damaged from the hurricane.	Strongly disagree	© Disagree	© Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those with high income.	© Strongly disagree) Disagree) Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those with low income.	Strongly disagree) Disagree	© Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those who were home owners before the storm.	© Strongly disagree	© Disagree	O Neutral	_ Agree	Strongly agree

Risks associated with sea level rise played an important role in rebuilding decisions of those who were tenants before the storm.	Strongly disagree	© Disagree	© Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those who owned their business in Florida Keys before the storm.	Strongly disagree	© Disagree	© Neutral	⊜ Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those with a college degree.	© Strongly disagree	© Disagree	© Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those who did not have a college degree.	Strongly disagree	© Disagree	© Neutral	_ Agree	© Strongly agree
Priorities in Recovery	(OR NOT C adaptation as a p 3. Please te or disagree w Florida Key res adaptation shou recovery process Strongly disagree Disagre 4. Why do do they conside level rise as a pr	sidents think the ld be a priorit s within the nex weithin the nex weithin the nex you think the re- CONSIDER) priority? ell me to what with the follow sidents think the ld be a priorit s within the nex weithin the nex we	hat sea-level risk y in the disaster xt six months? Agree Strongy agree esidents conside sea level risk extent you agree wing statement hat sea-level risk y in the disaster xt 5-10 years? Agree Strongy agree is the case? Why CONSIDER) sea	e r e e :: e r y a	nes: ask about
H. Integration of Adaptation and Recovery by the Government	government, th addressed risks Florida Keys be	rough its plan associated with fore Hurricane ways do you ough its plans associated with	a sea level rise in Irma? Ithink that the and policies, ha is sea level rise in	s, federal, s n governme e s	bes: ask about state and/or local ents in specific.]

	3. What do you think would be the implications of how the government, through its plans and policies, addresses risks associated with sea level rise as the Keys recover from Hurricane Irma?	[Probes: implications for homes, businesses, infrastructure, environment or implications for the social fabric]
	4. How could sea level rise adaptation and mitigation efforts be better integrated into the recovery process in the Keys?	[Probes: What could the federal, state and local governments do differently?]
	5. What do you think might hinder policy makers in their efforts to integrate sea level rise adaptation and mitigation into disaster recovery?	
	6. What do you think might help policy makers in their efforts to integrate sea level rise adaptation and mitigation into recovery?	
I. Demographics	1. What is the highest degree of level of school you have completed? If you are currently enrolled, please mark the previous grade or highest degree received.	
	Less than 12 th grade Associate degree (e.g., AA, AS) 12 th grade, no diploma Bachelor's degree High school graduate- high school diploma or the equivalent (for example: GED) Graduate degree (e.g., MD, JD) Some college credit, no degree Professional degree (e.g., MD, JD) Other (please specify)	
	I prefer not to say	
	2. What is your ethnicity? Hispanic or Latino I prefer not to say	
	3. Could you please specify your race? American Indian or Alaska Native Black or African American Asian Native Hawaiian or Other Pacific Islander White Do not know Other (please specify) I prefer not to say	
	 4. Please mark your gender below. Male I prefer not to say 	
	5. How long have you been working for the organization? Less than 2 years 11 to 15 years 2 to 5 years 16 to 20 years	
	6 to 10 years More than 20 years	

Section	Questions	Probes
A. Role as a Policy Maker	1. Can you tell me about the activities your organization has undertaken since Hurricane Irma?	[Probes: Ask specifically about activities related to disaster recovery, mitigation and sea level rise if they are not mentioned]
	2. Please tell me about your overall role and responsibilities as a community leader since Hurricane Irma.	[Probes: helping with housing recovery, business recovery, psychological recovery]
B. Community Concerns and Impact	1. What were the top 3 challenges that the residents of Florida Keys had prior to Hurricane Irma?	[Probes: Affordable Housing, Jobs, Safety, Lifeline Infrastructure (Roads, Power, Water), Social Infrastructure (Hospitals, Schools), Hurricanes, Sea Level Rise]
	2. Can you tell me what made these issues the top challenges for the residents prior to the Hurricane?	[Probes: Ask specifically about the top, second top and third top challenge]
	3. Why do you think sea level rise was (OR WAS NOT) a major challenge for the residents prior to the hurricane?	
	4. How were the residents of Florida Keys impacted by Hurricane Irma?	[Probes: Ask about different types of impacts: its impact on their housing, jobs, environment, and schools if not mentioned]
	5. Where do most people who were displaced by Hurricane Irma live right now?	[Probes: outside the Keys; staying in hotels, staying in trailers, staying with their relatives and friends]
C. Those Who Relocated	1. Please tell me to what extent you agree or disagree with the following statement: More Florida Key residents have stayed or returned to rebuild after Hurricane Irma than those who have relocated to outside the Keys.Storagy disagreeDiagreeNextraitAgreeStoragy agree	[close-ended questions]
	2. Why do you think some of the residents have not returned after the hurricane?	[Probes: no home to return to, no jobs, no bonds to place or people, insufficient resources, sea level rise]

Semi-Structured Interview Guide – Government Officials

	3. Who do you think has helped the residents who wanted to relocate to areas outside the Keys after Hurricane Irma the most?	[Clarification: These could be individuals or agencies. Probes: their friends and relatives, NGOs from other parts of the U.S., and the government]
	4. Please tell me to what extent you agree or disagree with the following statement: Florida Keys' residents' decisions to relocate after Hurricane Irma were motivated by risks associated with sea level rise.	
	Strongly disagree Disagree Neutral Agree Strongly agree 5. Please tell me why you think this way. Why do you think risks associated with sea level	
	rise were (or were not) a factor for residents who relocated to other areas after the hurricane?	
D. Those Who Returned to Rebuild	1. Why do you think some residents who were displaced by the hurricane returned or stayed here to rebuild?	[Probes: their bond to place and people, insufficient resources to relocate]
	2. Please tell me to what extent you agree or	
	disagree with the following statement: Florida Keys' residents' decisions to stay and rebuild after Hurricane Irma were concerned with risks associated with sea level rise.	
	Strongly Disagree Neutral Agree Strongly agree disagree	
	3. Please tell me why you think this way. Why do you think risks associated with sea level rise were (or were not) a factor for residents who stayed here to rebuild after the hurricane?	
	4. What have been the top 3 challenges faced by those who returned or stayed here to rebuild?	[Probes: Bureaucracy, Lack of Affordable Shelter, Lack of Jobs, Safety, Lack of Lifeline Infrastructure (Roads, Power, Water), Lack of Social Infrastructure (Hospitals, Schools), Ongoing Hurricane Risks, Sea Level Rise]
	5. Can you tell me what makes these issues the top challenges for those who returned or stayed here to rebuild after the hurricane?	[Probes: Ask specifically about the top, second top and third top challenge]
	6. Who do you think has helped the residents who returned or stated here to rebuild after Hurricane Irma the most?	[Clarification: These could be individuals or agencies. Probes: their friends and relatives,

		iter harreditiene
		community based organizations, NGOs from other parts of the U.S., the government, local leaders]
E. Disaster Recovery Process	1. What does recovery following a disaster mean to you?	[Clarification: Please keep in mind that there is no right or wrong answer to this question. I am simply trying to understand your perspective on recovery.]
	2. How would you assess the recovery in Florida Keys?	[Probes: In what areas (e.g., housing jobs) has there been progress? In what areas are there still some works to do?]
	3. How would you like the government to rebuild the Keys?	
	4. What are the top 3 recovery priorities of you're the government within the next six months?	
	5. Can you tell me why these are your community's top 3 recovery priorities within the next six months?	
	6. What are the top 3 recovery priorities of you're the government within the next 5-10 years?	
	7. Can you tell me why these are your community's top 3 recovery priorities within the next 5-10 years?	
F. Sea-Level Rise Adaptation and Mitigation	1. How do you think Florida Keys would be impacted by sea level rise in the future?	[Probes: its impact on housing, businesses, infrastructure]
	2. In what ways do you think Florida Keys is resilient when it comes to addressing risks associated with sea level rise?	
	3. If you had to choose one particular group among the residents in Florida Keys that is concerned about sea level rise the most, which group would that be?	[Probes: younger generations, those who are better off, homeowners in low lying areas]
	4. Please tell me why you think this particular group is concerned about sea level rise the most.	
	5. In what ways do you think relocation or rebuilding decisions of this particular group were affected by risks associated with sea level rise?	

6. If you had to choose one particular group in Florida Keys among the residents that will be impacted by sea level rise the most, which group would that be?	[Clarification: This group might be different than the group that is concerned the most about this issue. You can clarify is this is the same group you mentioned above. Probes: younger generations, those with limited resources, homeowners in low lying areas, real estate professionals]
 7. Please tell me why you think this particular group will be impacted by sea level rise the most 8. In what ways do you think relocation or rebuilding decisions of this particular group were affected by risks associated with sea level rise? 	

Now please tell me to what extent you agree or disagree with the following statements about Florida Key residents who relocated to other areas:

Risks associated with sea level rise played an important role in relocation decisions of younger generations.	Strongly disagree	© Disagree	O Neutral	⊜ Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of families with young children.	Strongly disagree	O Disagree	O Neutral) Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of senior populations.	Strongly disagree	O Disagree	O Neutral	© Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those whose homes were significantly damaged from the hurricane.	Strongly disagree	O Disagree	O Neutral	© Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those with high income.	Strongly disagree	O Disagree	O Neutral	© Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those with low income.	Strongly disagree	O Disagree	O Neutral	O Agree	Strongly agree

Risks associated with sea level rise played an important role in relocation decisions of those who were home owners before the storm.	Strongly disagree) Disagree) Neutral	O Agree	O Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those who were tenants before the storm.	Strongly disagree	© Disagree	© Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those who owned their business in Florida Keys before the storm.	Strongly disagree	© Disagree	© Neutral	⊜ Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those with a college degree.	Strongly disagree) Disagree	© Neutral	© Agree	© Strongly agree
Risks associated with sea level rise played an important role in relocation decisions of those who did not have a college degree.	Strongly disagree	© Disagree	O Neutral	O Agree	© Strongly agree

Now please tell me to what extent you agree or disagree with the following statements about Florida Key residents who returned or stayed to rebuild after the hurricane:

Risks associated with sea level rise played an important role in rebuilding decisions of younger generations.	Strongly disagree	© Disagree	O Neutral	⊜ Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of families with young children.	Strongly disagree	O Disagree) Neutral	O Agree	Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of senior populations.	Strongly disagree	© Disagree) Neutral	_ Agree	Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those whose homes were significantly damaged from the hurricane.	Strongly disagree	O Disagree	© Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those with high income.	Strongly disagree	O Disagree) Neutral	_ Agree	Strongly agree

Risks associated with sea level rise played an important role in rebuilding decisions of those with low income.	Strongly disagree	© Disagree	© Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those who were home owners before the storm.	Strongly disagree	O Disagree	Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those who were tenants before the storm.	Strongly disagree	© Disagree	© Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those who owned their business in Florida Keys before the storm.	Strongly disagree	© Disagree	© Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those with a college degree.	© Strongly disagree	© Disagree	© Neutral	O Agree	© Strongly agree
Risks associated with sea level rise played an important role in rebuilding decisions of those who did not have a college degree.	Strongly disagree	O Disagree) Neutral	_ Agree	© Strongly agree
G. Residents' Sea-Level Rise Priorities in Recovery	or disagree w Florida Key re adaptation shou recovery process strongly disagree 2. Why do (OR NOT C adaptation as a 3. Please to or disagree w Florida Key re adaptation shou recovery process strongly disagree 4. Why do	yith the follow sidents think the ld be a priorit swithin the nex we Neutral you think the re CONSIDER) priority? ell me to what yith the follow sidents think the ld be a priorit swithin the nex we Neutral you think this er (OR NOT C	Agree Strongy agree esidents conside sea level rise extent you agree wing statement nat sea-level rise y in the disaste	:: e r r e e : e r	

	5. In what ways do residents' opinions	
	5. In what ways do residents opinions help or hinder the government from addressing risks associated with sea level rise?	
	6. Do you think that sea-level rise adaptation should be a priority in the disaster recovery process?	
	7. Please tell me why you think this way.	
H. Integration of Adaptation and Recovery by the Government	1. In what ways do you think that the government, through its plans and policies, addressed risks associated with sea level rise in Florida Keys before Hurricane Irma?	[Probes: ask about federal, state and/or local governments in specific.]
	2. In what ways do you think that the government, through its plans and policies, has addressed risks associated with sea level rise in Florida Keys since Hurricane Irma?	
	3. What do you think would be the implications of how the government, through its plans and policies, addresses risks associated with sea level rise as the Keys recover from Hurricane Irma?	[Probes: implications for homes, businesses, infrastructure, environment or implications for the social fabric]
	4. How could sea level rise adaptation and mitigation efforts be better integrated into the recovery process in the Keys?	[Probes: What could the federal, state and local governments do differently?]
	5. What do you think might hinder policy makers in their efforts to integrate sea level rise adaptation and mitigation into disaster recovery?	
	6. What do you think might help policy makers in their efforts to integrate sea level rise adaptation and mitigation into recovery?	
I. Demographics	1. What is the highest degree of level of school you have completed? If you are currently enrolled, please mark the previous grade or highest degree received.	
	Less than 12 th grade Associate degree (e.g., AA, AS) 12 th grade, no diploma Bachelor's degree High school graduate- high school diploma or the equivalent (for example: GED) Graduate degree (e.g., MD, JD) Some college credit, no degree Professional degree (e.g., MD, JD) Other (please specify)	
	☐ I prefer not to say	

2. What is your ethnicity?	
Hispanic or Latino Not Hispa	nic or Latino
I prefer not to say	
3. Could you please specify your r	race?
American Indian or Alaska Native Black or African A	merican
Asian Native Hawaiian or Islander	r Other Pacific
White Do not know	
Other (please specify)	
☐ I prefer not to say	
4. Please mark your gender below.	
Male	Female
□ I prefer not to say	
5. How long have you been wo	rking for
the government?	-
Less than 2 years 11 to 15 years	are
2 to 5 years 16 to 20 ye	ears
6 to 10 years More than	20 years