Southeast Florida Coastal Study
Discovery Report

Appendix E
Project Charters (Signed)
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The City of Atlantis to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The City of Atlantis from flood risk. It is not legally binding nor does it preclude The City of Atlantis from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The City of Atlantis's flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - Changes Since Last FIRM: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The City of Atlantis’s 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The City of Atlantis. The plan is set to expire on January 28, 2015. The City of Atlantis can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The City of Atlantis to hold a minimum of three meetings throughout the study process, as described below.

• Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

• Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

• Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

• Other Meetings (as appropriate)

  • Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The City of Atlantis officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The City of Atlantis to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The City of Atlantis will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The City of Belle Glade to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The City of Belle Glade from flood risk. It is not legally binding nor does it preclude The City of Belle Glade from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/AE/A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- Flood Insurance Study (FIS) Report: Describes The City of Belle Glade’s flood history and provides technical information on the study.

- Flood Insurance Rate Map (FIRM): Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- Flood Risk Report: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- Flood Risk Map: Depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- Flood Risk Database: Provides access to the data collected, created, and analyzed during the project.

  - Changes Since Last FIRM: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.

  - Flood Depth and Analysis Grids: Identifies the depth of flooding related to The City of Belle Glade’s 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.

  - Flood Risk Assessment: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The City of Belle Glade. The plan is set to expire on January 28, 2015. The City of Belle Glade can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one of its technical partners will coordinate with The City of Belle Glade to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.
- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.
- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.
- Other Meetings (as appropriate)
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analyses products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The City of Belle Glade officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The City of Belle Glade to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The City of Belle Glade will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark L. Verna  [COMMUNITY CEO OR TRIBAL OFFICIAL]
FEMA Representative

Baker AECOM, LLC Representative
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The Town of Briny Breezes to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The Town of Briny Breezes from flood risk. It is not legally binding nor does it preclude The Town of Briny Breezes from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The Town of Briny Breezes' flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The Town of Briny Breezes' 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The Town of Briny Breezes. The plan is set to expire on January 28, 2015. The Town of Briny Breezes can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The Town of Briny Breezes to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The Town of Briny Breezes officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The Town of Briny Breezes to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The Town of Briny Breezes will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark A. Vreman
FEMA Representative

Baker AECOM, LLC Representative

Sue Thaler
[COMMUNITY CEO OR TRIBAL OFFICIAL]
TOWN COUNCIL PRESIDENT
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The Village of Golf to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The Village of Golf from flood risk. It is not legally binding nor does it preclude The Village of Golf from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The Village of Golf’s flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products

- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The Village of Golf’s 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The Village of Golf. The plan is set to expire on January 28, 2015. The Village of Golf can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The Village of Golf to hold a minimum of three meetings throughout the study process, as described below.

- **Discovery Meeting**: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- **Resilience Meeting**: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- **Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House**: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- **Other Meetings (as appropriate)**
  - **Flood Study Review Meeting**: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The Village of Golf officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The Village of Golf to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The Village of Golf will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The City of Lake Worth to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The City of Lake Worth from flood risk. It is not legally binding nor does it preclude The City of Lake Worth from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ A/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The City of Lake Worth's flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community's or Tribe's flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The City of Lake Worth's 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The City of Lake Worth. The plan is set to expire on January 28, 2015. The City of Lake Worth can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The City of Lake Worth to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The City of Lake Worth officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The City of Lake Worth to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The City of Lake Worth will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark de Vries
FEMA Representative

Michael R. Baker
BakerAECOM, LLC Representative

LU MONTI
COMMUNITY CEO OR TRIBAL OFFICIAL]
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The City of Palm Beach Gardens to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The City of Palm Beach Gardens from flood risk. It is not legally binding nor does it preclude The City of Palm Beach Gardens from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report:** Describes The City of Palm Beach Gardens' flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM):** Identifies the community's or Tribe's flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products

- **Flood Risk Report:** Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map:** depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database:** Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM:** Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids:** Identifies the depth of flooding related to The City of Palm Beach Gardens' 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment:** Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The City of Palm Beach Gardens. The plan is set to expire on January 28, 2015. The City of Palm Beach Gardens can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one of its technical partners will coordinate with The City of Palm Beach Gardens to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRMs and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)
  
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The City of Palm Beach Gardens officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The City of Palm Beach Gardens to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The City of Palm Beach Gardens will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark A Vieira
FEMA Representative

Michael J. [Signature]
BakerAECOM, LLC Representative

[Signature]
[COMMUNITY CEO OR TRIBAL OFFICIAL]  
City Manager
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The Village of Royal Palm Beach to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The Village of Royal Palm Beach from flood risk. It is not legally binding nor does it preclude The Village of Royal Palm Beach from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The Village of Royal Palm Beach's flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community's or Tribe's flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: Depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project.
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The Village of Royal Palm Beach's 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The Village of Royal Palm Beach. The plan is set to expire on January 28, 2015. The Village of Royal Palm Beach can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The Village of Royal Palm Beach to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The Village of Royal Palm Beach officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The Village of Royal Palm Beach to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The Village of Royal Palm Beach will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark A. Viera
FEMA Representative

[COMMUNITY CEO OR TRIBAL OFFICIAL]

BakerAECOM, LLC Representative
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The City of Cooper City to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The City of Cooper City from flood risk. It is not legally binding nor does it preclude The City of Cooper City from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The City of Cooper City's flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community's or Tribe's flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Risk Risk Products

- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: Depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The City of Cooper City's 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The City of Cooper City. The plan is set to expire on March 11, 2018. The City of Cooper City can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The City of Cooper City to hold a minimum of three meetings throughout the study process, as described below.

- **Discovery Meeting**: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- **Resilience Meeting**: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- **Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House**: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- **Other Meetings (as appropriate)**
  - **Flood Study Review Meeting**: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The City of Cooper City officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The City of Cooper City to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The City of Cooper City will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark L. Viera
FEMA Representative

BakerAECOM, LLC Representative

[COMMUNITY CEO OR TRIBAL OFFICIAL]
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The City of Dania Beach to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The City of Dania Beach from flood risk. It is not legally binding nor does it preclude The City of Dania Beach from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The City of Dania Beach’s flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The City of Dania Beach’s 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The City of Dania Beach. The plan is set to expire on March 11, 2018. The City of Dania Beach can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The City of Dania Beach to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The City of Dania Beach officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The City of Dania Beach to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The City of Dania Beach will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark A. Vietor
FEMA Representative

BakerAECOM, LLC Representative

[COMMUNITY CEO OR TRIBAL OFFICIAL]
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The Town of Hillsboro Beach to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The Town of Hillsboro Beach from flood risk. It is not legally binding nor does it preclude The Town of Hillsboro Beach from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The Town of Hillsboro Beach’s flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products

- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The Town of Hillsboro Beach’s 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The Town of Hillsboro Beach. The plan is set to expire on March 11, 2018. The Town of Hillsboro Beach can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The Town of Hillsboro Beach to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFRIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The Town of Hillsboro Beach officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The Town of Hillsboro Beach to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The Town of Hillsboro Beach will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark A. Vasina
FEMA Representative

Michael J. Boyd
BakerAECOM, LLC Representative

[COMMUNITY CEO OR TRIBAL OFFICIAL]
Claire Schubert, Mayor
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The Town of Southwest Ranches to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The Town of Southwest Ranches from flood risk. It is not legally binding nor does it preclude The Town of Southwest Ranches from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report:** Describes The Town of Southwest Ranches' flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM):** Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products

- **Flood Risk Report:** Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map:** depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database:** Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM:** Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids:** Identifies the depth of flooding related to The Town of Southwest Ranches' 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment:** Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The Town of Southwest Ranches. The plan is set to expire on March 11, 2018. The Town of Southwest Ranches can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The Town of Southwest Ranches to hold a minimum of three meetings throughout the study process, as described below.

- **Discovery Meeting:** Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- **Resilience Meeting:** Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- **Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House:** Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- **Other Meetings (as appropriate)**

  - **Flood Study Review Meeting:** Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The Town of Southwest Ranches officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The Town of Southwest Ranches to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The Town of Southwest Ranches will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark L. Vieira
FEMA Representative

[Signature]
Baker AECOM, LLC Representative

[Signature] [COMMUNITY CEO OR TRIBAL OFFICIAL]
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The City of Tamarac to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The City of Tamarac from flood risk. It is not legally binding nor does it preclude The City of Tamarac from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The City of Tamarac’s flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community's or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products

- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The City of Tamarac's 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The City of Tamarac. The plan is set to expire on March 11, 2018. The City of Tamarac can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The City of Tamarac to hold a minimum of three meetings throughout the study process, as described below.

• Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

• Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

• Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

• Other Meetings (as appropriate)

  • Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The City of Tamarac officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The City of Tamarac to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The City of Tamarac will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark A. Vieira
FEMA Representative

BakerAECOM, LLC Representative

[COMMUNITY CEO OR TRIBAL OFFICIAL]
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The Town of Golden Beach to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The Town of Golden Beach from flood risk. It is not legally binding nor does it preclude The Town of Golden Beach from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The Town of Golden Beach’s flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The Town of Golden Beach’s 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The Town of Golden Beach. The plan is set to expire on May 4, 2015. The Town of Golden Beach can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The Town of Golden Beach to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The Town of Golden Beach officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The Town of Golden Beach to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The Town of Golden Beach will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

[Signatures]
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The City of Miami Beach to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The City of Miami Beach from flood risk. It is not legally binding nor does it preclude The City of Miami Beach from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report:** Describes The City of Miami Beach’s flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM):** Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- **Flood Risk Report:** Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map:** depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database:** Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM:** Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids:** Identifies the depth of flooding related to The City of Miami Beach’s 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment:** Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The City of Miami Beach. The plan is set to expire on May 4, 2015. The City of Miami Beach can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The City of Miami Beach to hold a minimum of three meetings throughout the study process, as described below.

- **Discovery Meeting:** Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- **Resilience Meeting:** Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- **Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House:** Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- **Other Meetings (as appropriate)**
  - **Flood Study Review Meeting:** Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The City of Miami Beach officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The City of Miami Beach to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

**The City of Miami Beach** will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

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**Mark A. Vreia**
FEMA Representative

**Michael J.**
BakerAECOM, LLC Representative

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**[COMMUNITY CEO OR TRIBAL OFFICIAL]**

**[City Attorney]**

7/16/14
Date
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The Town of Miami Lakes to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The Town of Miami Lakes from flood risk. It is not legally binding nor does it preclude The Town of Miami Lakes from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The Town of Miami Lakes’ flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products

- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The Town of Miami Lakes’ 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.

  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The Town of Miami Lakes. The plan is set to expire on May 4, 2015. The Town of Miami Lakes can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The Town of Miami Lakes to hold a minimum of three meetings throughout the study process, as described below.

- **Discovery Meeting:** Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- **Resilience Meeting:** Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- **Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House:** Will provide officials with the FIS and FirRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- **Other Meetings (as appropriate)**
  - **Flood Study Review Meeting:** Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The Town of Miami Lakes officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The Town of Miami Lakes to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The Town of Miami Lakes will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

[Signatures]

FEMA Representative

BakerAECOM, LLC Representative

[COMMUNITY CEO OR TRIBAL OFFICIAL]
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The Village of Miami Shores Village to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The Village of Miami Shores Village from flood risk. It is not legally binding nor does it preclude The Village of Miami Shores Village from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- Flood Insurance Study (FIS) Report: Describes The Village of Miami Shores Village's flood history and provides technical information on the study.

- Flood Insurance Rate Map (FIRM): Identifies the community's or Tribe's flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- Flood Risk Report: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- Flood Risk Map: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- Flood Risk Database: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - Changes Since Last FIRM: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - Flood Depth and Analysis Grids: Identifies the depth of flooding related to The Village of Miami Shores Village's 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - Flood Risk Assessment: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The Village of Miami Shores Village. The plan is set to expire on May 4, 2015. The Village of Miami Shores Village can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The Village of Miami Shores Village to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The Village of Miami Shores Village officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The Village of Miami Shores Village to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The Village of Miami Shores Village will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark A. Vieu
FEMA Representative

[COMMUNITY CEO OR TRIBAL OFFICIAL]

BakerAECOM, LLC Representative

7-14-14
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The City of Opa-Locka to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The City of Opa-Locka from flood risk. It is not legally binding nor does it preclude The City of Opa-Locka from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE/ AE/ A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- **Flood Insurance Study (FIS) Report**: Describes The City of Opa-Locka’s flood history and provides technical information on the study.

- **Flood Insurance Rate Map (FIRM)**: Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- **Flood Risk Report**: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- **Flood Risk Map**: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- **Flood Risk Database**: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - **Changes Since Last FIRM**: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - **Flood Depth and Analysis Grids**: Identifies the depth of flooding related to The City of Opa-Locka’s 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - **Flood Risk Assessment**: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The City of Opa-Locka. The plan is set to expire on May 4, 2015. The City of Opa-Locka can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The City of Opa-Locka to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)
  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The City of Opa-Locka officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The City of Opa-Locka to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The City of Opa-Locka will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

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Mark A. Vieira
FEMA Representative

Michael J. Abate
BakerAECOM, LLC Representative

Myra L. Taylor
[COMMUNITY CEO OR TRIBAL OFFICIAL]
Mayor of City of Opa-Locka
Risk MAP Project Charter

The goal of the Risk Mapping, Assessment, and Planning (Risk MAP) program is to deliver quality data that increases public awareness and leads to actions that reduce the risk to life and property. Through Risk MAP, FEMA Region 4 will work with The Village of Pinecrest to provide a more accurate understanding of flood risk and provide valuable tools to help implement actions to protect their citizens and property from risk.

This Project Charter represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to protect The Village of Pinecrest from flood risk. It is not legally binding nor does it preclude The Village of Pinecrest from participating in the FIRM appeal process.

Mapping and Assessment
FEMA and/or one of its technical partners will update the coastal analyses for portions of your county that fall within the Southeast Florida Region as part of this project. This update will include revised studies along the coast for updated or new VE, AE, A zones and floodways.

Risk MAP Deliverables
Communities can use the updated data and projects to make informed hazard mitigation, land use and development, and emergency management decisions and develop related plans and strategies.

Regulatory Products
FEMA and/or one of its technical partners will provide the following regulatory products to support floodplain management and flood insurance ratings.

- Flood Insurance Study (FIS) Report: Describes The Village of Pinecrest’s flood history and provides technical information on the study.

- Flood Insurance Rate Map (FIRM): Identifies the community’s or Tribe’s flood zones, base flood elevations, and floodplain boundaries. This map is also used to determine where flood insurance is required.

Flood Risk Products
- Flood Risk Report: Details the flood hazards and risk exposure within the community, watershed, or other geographic area. It also explains the risk assessment methodology used and results.

- Flood Risk Map: depicts County and community boundaries in relation to the highest areas of risk within the watershed emphasizing that risk reduction activities may have an impact well beyond the site.

- Flood Risk Database: Provides access to the data collected, created, and analyzed during the project. Flood Risk Database includes:
  - Changes Since Last FIRM: Identifies areas where the floodplain, floodway, and/or flood zone designations have changed since the previous flood study.
  - Flood Depth and Analysis Grids: Identifies the depth of flooding related to The Village of Pinecrest’s 10 percent, 4 percent, 2 percent, 1 percent, and 0.2 percent annual chance flood events.
  - Flood Risk Assessment: Helps identify the economic impacts of flooding and highlights areas where risk reduction actions may produce the highest return on investment.
Areas of Mitigation Interest: Identifies conditions that may contribute to the severity of the flood hazard and associated losses so impacts can be evaluated through the Mitigation plan which can lead to actions to reduce the risk.

Planning

A mitigation plan exists for The Village of Pinecrest. The plan is set to expire on May 4, 2015. The Village of Pinecrest can use the Risk MAP Products to identify risks and vulnerabilities associated with floods, evaluate the areas of high mitigation value, and develop long-term strategies for protecting people and property from future flood events, as financially feasible. FEMA offers Hazard Mitigation Assistance grant programs that fund eligible mitigation planning and activities that reduce disaster losses and protect life and property from future disaster damages.

Communication and Coordination

FEMA and/or one its technical partners will coordinate with The Village of Pinecrest to hold a minimum of three meetings throughout the study process, as described below.

- Discovery Meeting: Held prior to the development of this charter, the meeting focused on setting project expectations, roles and responsibilities, and validating and gathering data.

- Resilience Meeting: Will provide local officials with the Risk MAP Products and describe how to incorporate this new information into existing hazard mitigation plans.

- Preliminary DFIRM Community Coordination (PDCC) Meeting/Open House: Will provide officials with the FIS and FIRM and information on ordinance requirements for map adoption followed by an open house where officials will present project results to local citizens and explain the impact of the results.

- Other Meetings (as appropriate)

  - Flood Study Review Meeting: Will provide local and Tribal officials the opportunity to view and comment on drafts of the engineering analyses and flood risk data.

Roles and Responsibilities

The parties listed in the signature block below will collaborate on flood hazard identification activities, risk analysis products, and will consult with each other to integrate contributions into flood hazard identification efforts.

FEMA and/or one of its technical partners will provide The Village of Pinecrest officials with regular project status updates, the data and products described above, and outreach guidance to increase local and Tribal awareness of flood risk. These efforts will better enable The Village of Pinecrest to take action to reduce risk, through the adoption of the maps, development, or enhancement of mitigation plans, and increased communication with citizens to inform them about their risk and the steps they can take to mitigate that risk.

The Village of Pinecrest will provide input and updates, where available, throughout the study process to verify data and ensure that the information accurately represents the community.

Mark A. Vieira       Michael G.       [COMMUNITY CEO OR TRIBAL OFFICIAL]
FEMA Representative   BakerAECOM, LLC Representative