

APPENDIX D - SEA LEVEL RISE MAPS



**KAUAI CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
1 Foot Potential Sea Level Rise Scenario
Ha'ena, Kaula'i

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas
 TMK Boundaries
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically connected to the ocean. Areas that are not connected are shown in white. The elevation data used in this map is derived from a more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence, future coastal barriers such as dunes, and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should not be used, directly or indirectly, as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

0 250 500 1,000 1,500 2,000
 Feet
 1:10,000
 March 2014

Appendix C: Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



KAUAI CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT

3 Foot Potential Sea Level Rise Scenario

Ha'ena, Kauai

MAP CONTENTS

- Water Depth
 - Deeper
 - Shallower
- Low Lying Areas
- TMK Boundaries
- Roads



MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically connected to the sea. Areas that are not connected to the sea are shown in light blue. The data used in this map was derived from a detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, slumping, and future coastal barriers such as dunes, reefs, and mangroves. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
National Oceanic and Atmospheric Administration (NOAA),
Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

0 250 500 1,000 1,500 2,000
1:10,000
March 2014



**KAUA'I CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
6 Foot Potential Sea Level Rise Scenario
Ha'ena, Kaua'i

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas
 TMK Boundaries
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically disconnected from the ocean. The map also shows the elevation data used to capture the area's hydrology. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.33mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence, or future construction. The data also does not account for future changes in storm frequency or intensity due to hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:

The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://scc.noaa.gov/slr/beta/viewer/>

North arrow and scale bar (0 to 2,000 feet) at 1:10,000 scale. Date: March 2015.

Appendix C - Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



**KAUAI CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
1 Foot Potential Sea Level Rise Scenario
Hanalei, Kauai

MAP CONTENTS

- Water Depth
 - Deeper
 - Shallower
- Low Lying Areas
- TMK Boundaries
- Roads

MAP DESCRIPTION

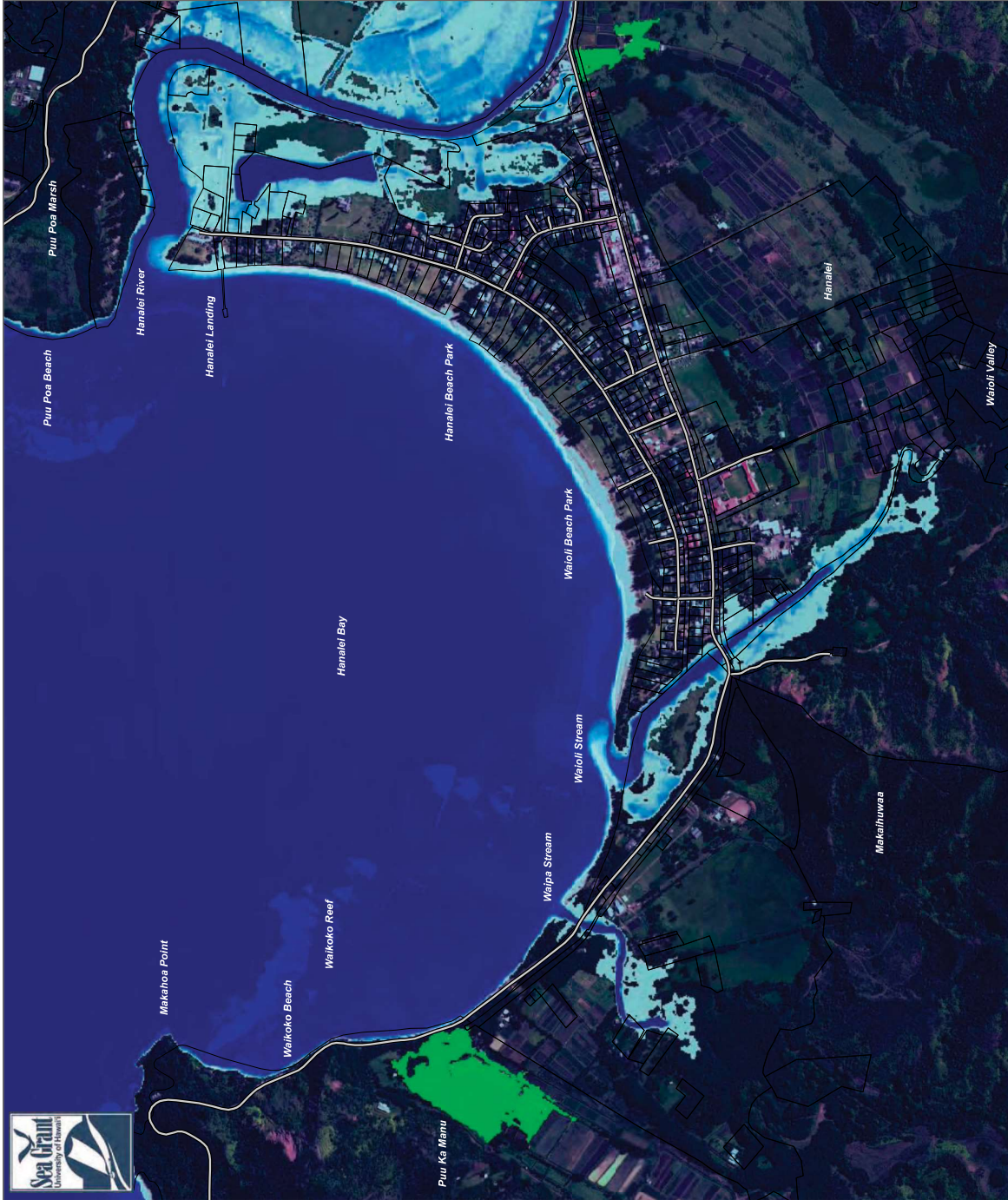
Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically disconnected from any future inundation. These areas are shown with the elevation data from the USGS hydrologic data. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence, future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
National Oceanic and Atmospheric Administration (NOAA),
Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

Appendix C: Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



**KAUA'I CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
3 Foot Potential Sea Level Rise Scenario
Hanalei, Kaua'i

MAP CONTENTS

Water Depth
■ Deeper
■ Shallower

Low Lying Areas
■ Low Lying Areas

TMK Boundaries
 TMK Boundaries

Roads
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically connected to any low-lying areas that are inundated. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence, future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

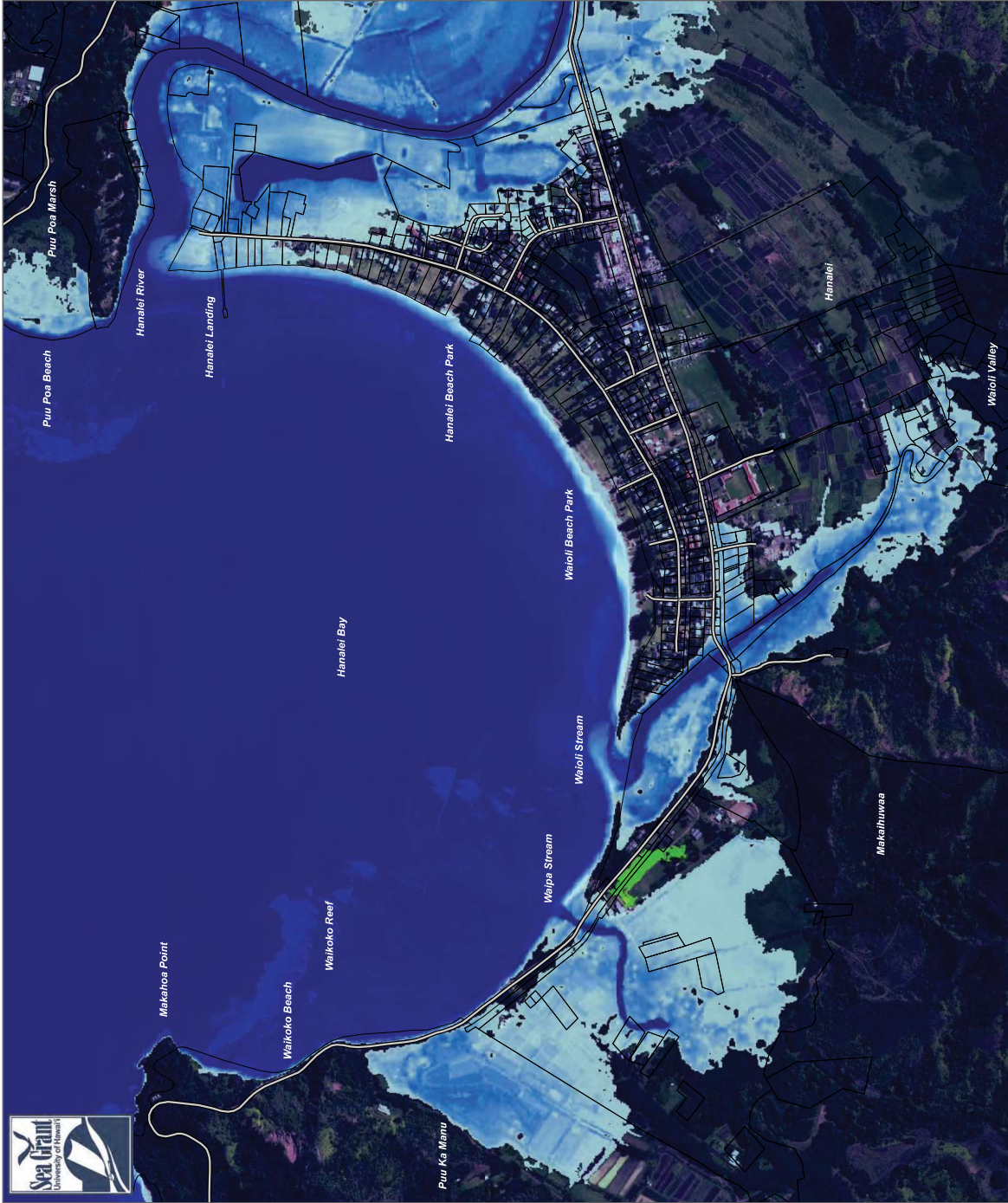
Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

Scale:
 0 250 500 1,000 1,500 2,000 Feet
 1:10,000

North Arrow:
 N
 W E
 S

March 2014

Appendix C: Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



**KAUA'I CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
6 Foot Potential Sea Level Rise Scenario
Hanalei, Kaua'i

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas
 TMK Boundaries
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low lying areas, displayed in green, are hydrologically disconnected from the ocean. The map also includes TMK boundaries and roads. The elevation data captures the area's hydraulics. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence, or future construction. The data also does not account for potential impacts from hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://scc.noaa.gov/slr/beta/viewer/>

North Arrow

Scale: 0 250 500 1,000 1,500 2,000 Feet
 1:10,000

March 2015

Appendix C - Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



**KAUA'I CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
1 Foot Potential Sea Level Rise Scenario
Anahola, Kaua'i

MAP CONTENTS

- Water Depth
 - Deeper
 - Shallower
- Low Lying Areas
- TMK Boundaries
- Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically unconnected areas that may be inundated. The map displays the water table elevation data from the island's hydrologic. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

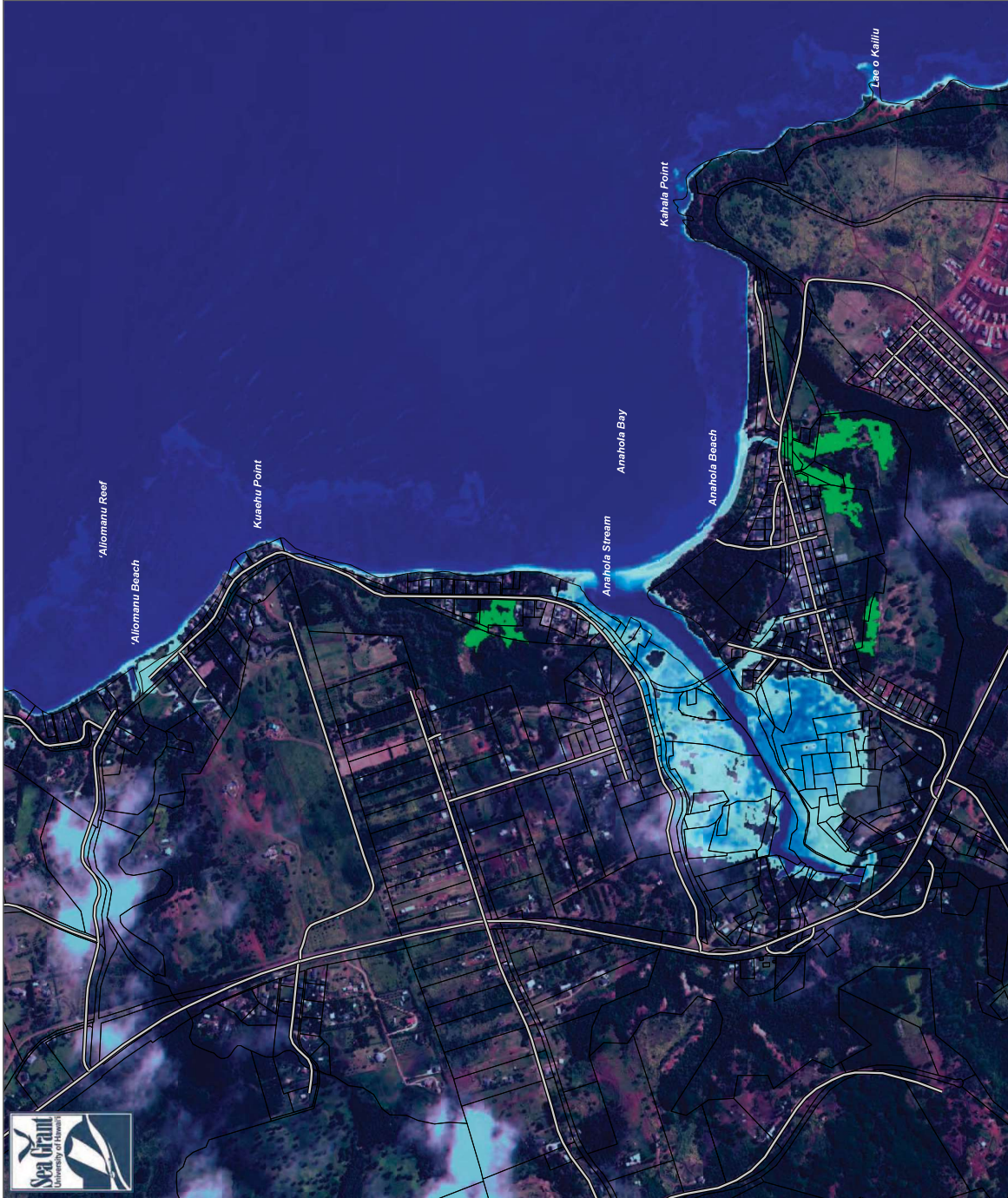
Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence or future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
National Oceanic and Atmospheric Administration (NOAA),
Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

North arrow and scale bar. The scale bar is marked in feet (0, 250, 500, 1,000, 1,500, 2,000) and includes a scale of 1:10,000. The date **March 2014** is noted in the bottom right corner.

Appendix C: Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



KAUAI CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT

3 Foot Potential Sea Level Rise Scenario Anahola, Kaua'i

MAP CONTENTS

Water Depth

- Deeper
- Shallower

Low Lying Areas

- Low Lying Areas

TMK Boundaries

- TMK Boundaries

Roads

- Roads



MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically unconnected areas that may be inundated. The data was derived from the elevation data contained in the island's hydrofile. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence or future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:

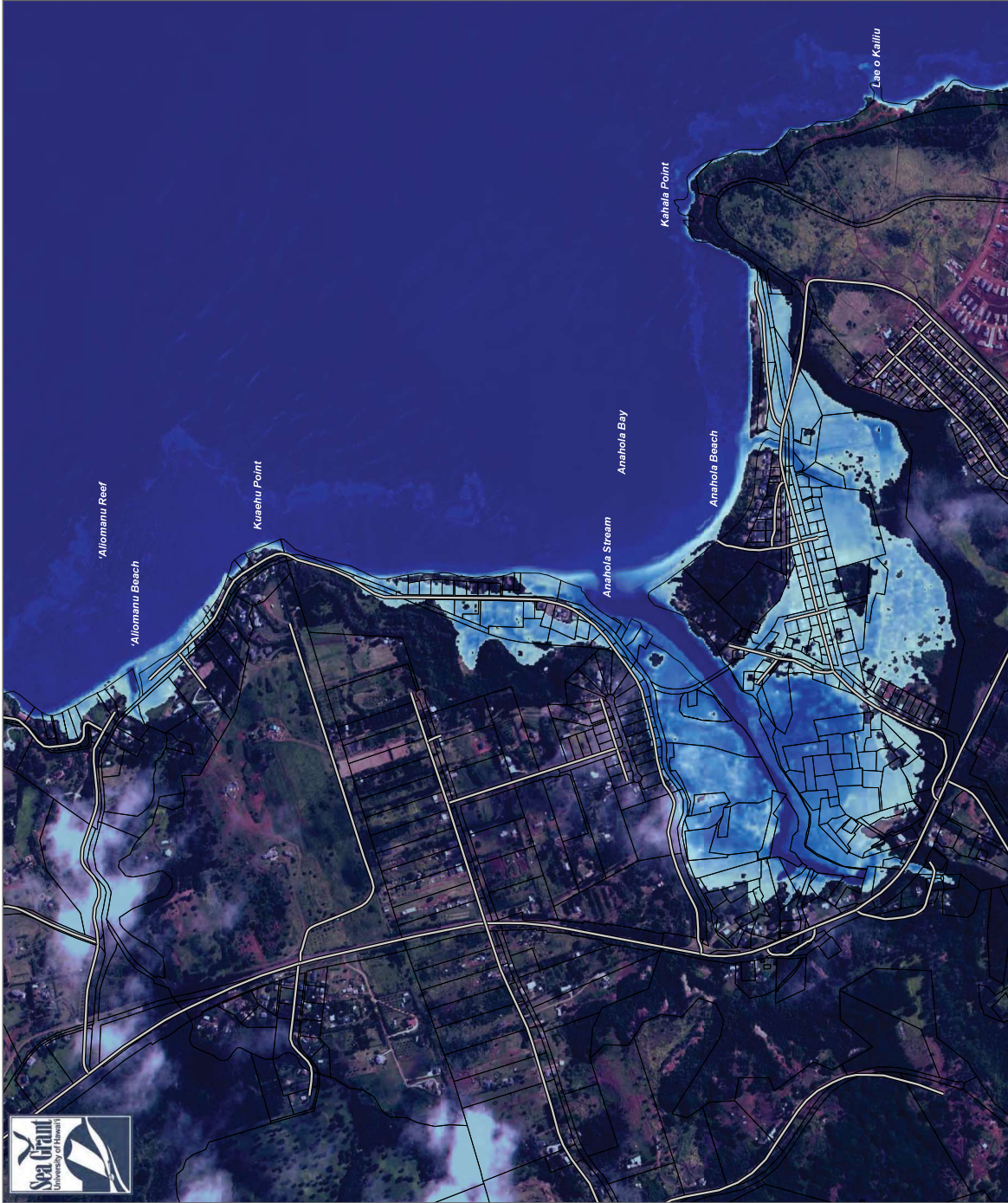
The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
National Oceanic and Atmospheric Administration (NOAA),
Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/best/viewer/>

1:10,000

March 2014

Appendix C: Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



**KAUA'I CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
6 Foot Potential Sea Level Rise Scenario
Anahola, Kaua'i

MAP CONTENTS

Water Depth
 Deeper
 - Shallower

Low Lying Areas
 TMK Boundaries
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low lying areas, displayed in green, are hydrologically disconnected from the ocean. The map also displays the topographic profile and the elevation data captures the area's hydrology. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence, or future construction. The data also does not consider future changes in storm frequency and intensity due to hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:

The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://scc.noaa.gov/slr/beta/viewer/>

North Arrow

Scale: 0 250 500 1,000 1,500 2,000 Feet
 1:10,000

March 2015

Appendix C - Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



KAUAI CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT
1 Foot Potential Sea Level Rise Scenario
 Kapa'a, Kaua'i

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas

TMK Boundaries

Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically disconnected from any future inundation. These areas are shown along with the elevation data from the USGS hydrologic data. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, slumping, or future coastal features such as dunes, beaches, and wetlands. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

North Arrow

Scale: 0 250 500 1,000 1,500 2,000 Feet

1:110,000

March 2014

Appendix C: Sea-level Rise Inundation Assessments and Needs for Select Coastal Areas



**KAUA'I CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
3 Foot Potential Sea Level Rise Scenario
Kapa'a, Kaua'i

MAP CONTENTS

Water Depth

 Deeper
 Shallower

Low Lying Areas

 Low Lying Areas

TMK Boundaries

 TMK Boundaries

Roads

 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically disconnected from any future inundation. These areas are shown along with the elevation data to provide the map's hydrologic. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, slides or future coastal barriers such as dunes, hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

Scale:
 0 250 500 1,000 1,500 2,000
 Feet
 1:110,000

North Arrow

March 2014

Appendix C: Sea-level Rise Inundation Assessments and Needs for Select Coastal Areas



**KAUAI CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
6 Foot Potential Sea Level Rise Scenario
Kapa'a, Kaua'i

MAP CONTENTS

Water Depth
 Deeper
 - Shallower

Low Lying Areas
 TMK Boundaries
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low lying areas, displayed in green, are hydrologically disconnected from the ocean. The map also displays the elevation data with the elevation data captures the area's hydrolics. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence, or future construction, the data does not include future projections for hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:

The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://scc.noaa.gov/slr/beta/viewer/>

North arrow and scale bar (0 to 2,000 feet).
 Scale: 1:10,000
 Date: March 2014

Appendix C - Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



KAUAʻI CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT

1 Foot Potential Sea Level Rise Scenario Wailuā, Kauaʻi

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas
 Low Lying Areas

TMK Boundaries
 TMK Boundaries

Roads
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically connected to any flooding areas that may occur. The map also displays the electrical data for the area's hydrology. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence or future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

Feet
 0 250 500 1,000 1,500 2,000
 1:10,000
 March 2014



KAUAI CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT
3 Foot Potential Sea Level Rise Scenario
Wailuā, Kauaʻi

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas

TMK Boundaries

Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically disconnected from any flooding areas. The map is intended to be used with the elevation data generated by the model. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence or future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

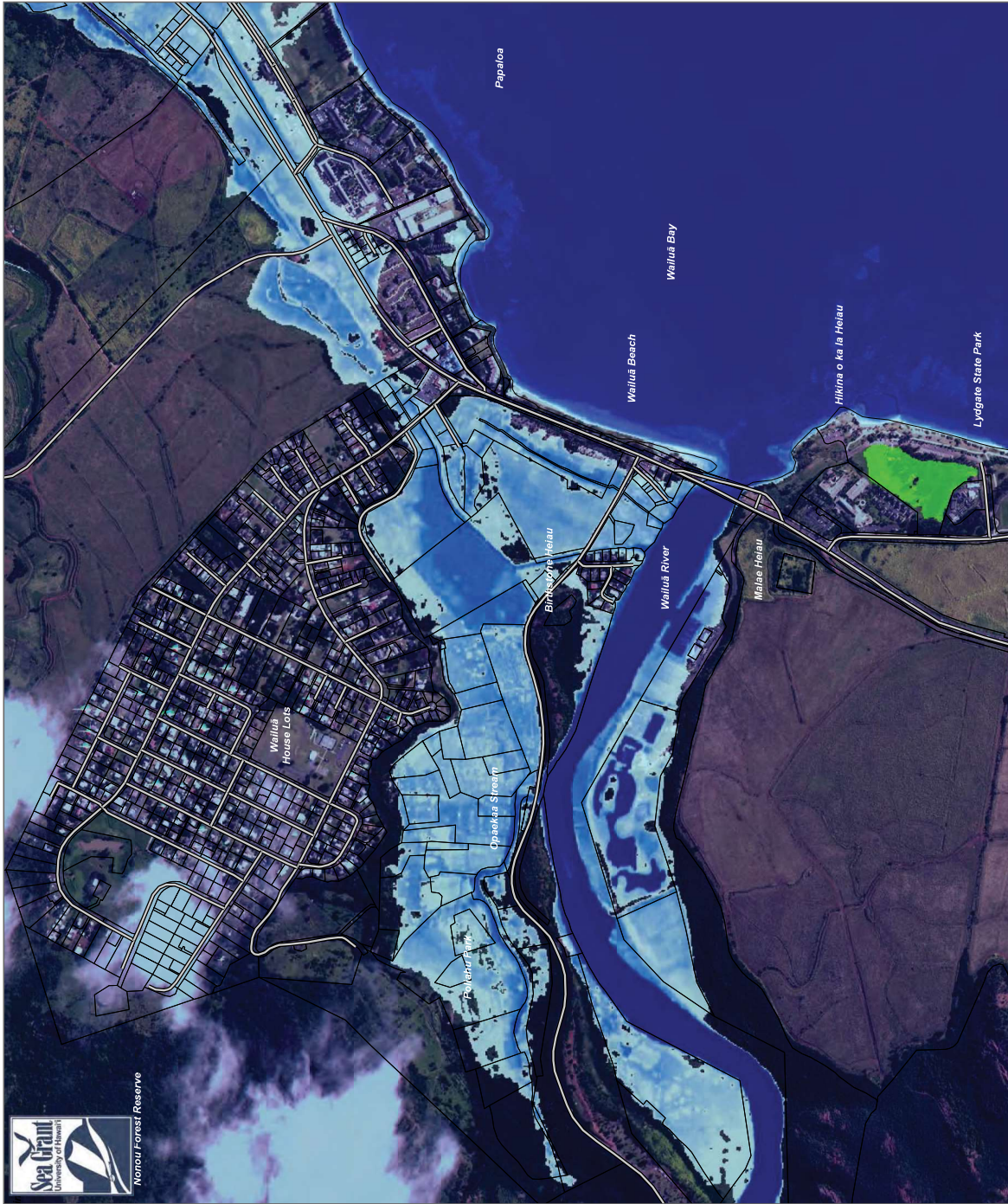
Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

Scale:
 0 250 500 1,000 1,500 2,000
 Feet
 1:10,000

North Arrow

March 2014

Appendix C: Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



KAUA'I CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT
6 Foot Potential Sea Level Rise Scenario
 Wailuā, Kaua'i

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas

TMK Boundaries

Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low lying areas, displayed in green, are hydrologically connected to the sea. The map also displays the area's topography and the elevation data captures the area's hydraulics. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.33mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence, or future construction. The data also does not consider future changes in climate such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:

The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://scc.noaa.gov/slr/beta/viewer/>

North arrow and scale bar (0 to 2,000 feet) at 1:10,000 scale.

Appendix C - Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



KAUAI CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT

3 Foot Potential Sea Level Rise Scenario

Nāwiliwili, Kauaʻi

MAP CONTENTS

- Water Depth
 - Deeper
 - Shallower
- Low Lying Areas
- TMK Boundaries
- Roads

MAP DESCRIPTION

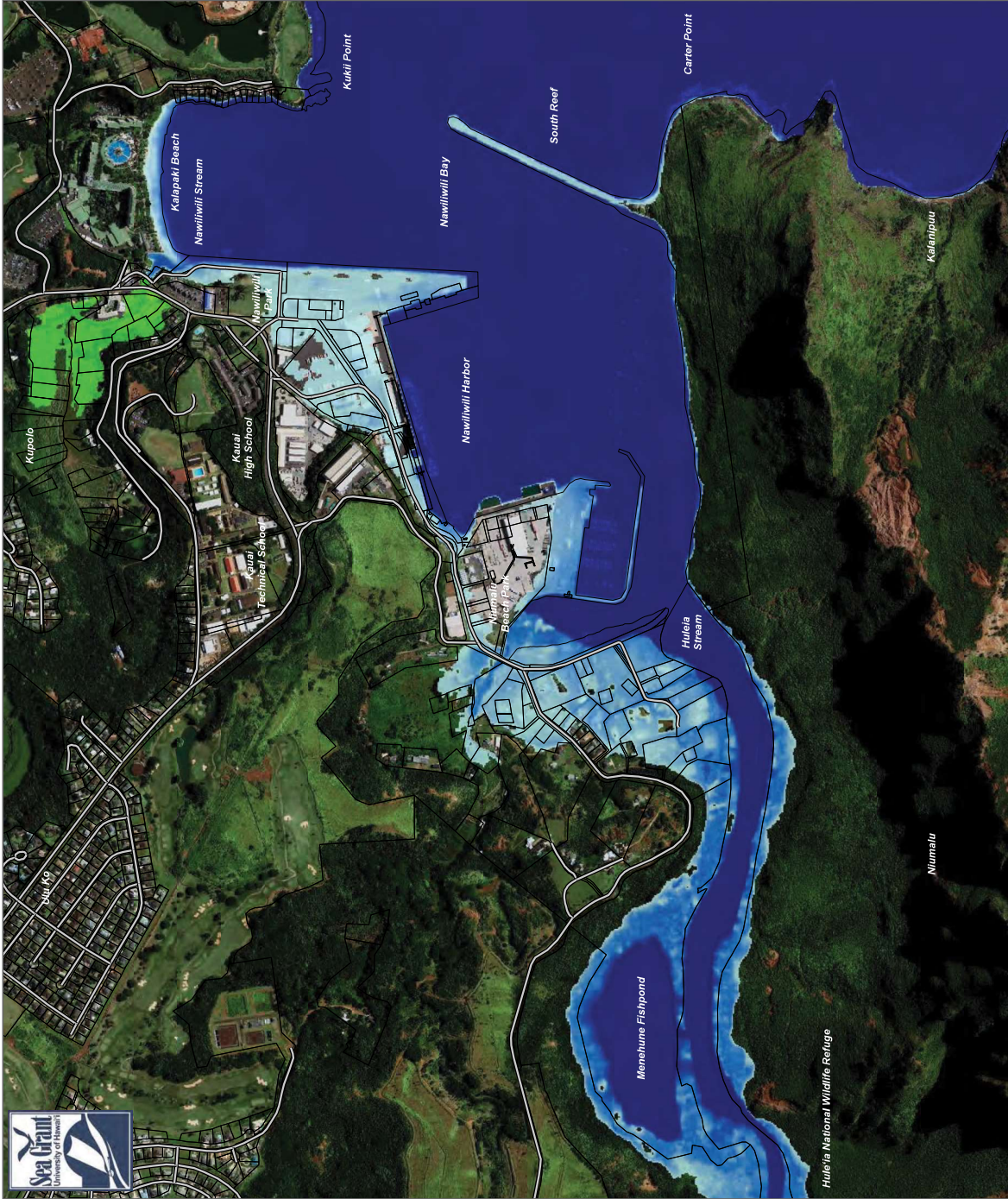
Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically disconnected from any low-lying areas. These areas are shown with the elevation data from the U.S. Hydrologic. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence or future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:

The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>



KAUA'I CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT
6 Foot Potential Sea Level Rise Scenario
 Nāwiliwili, Kaula'i

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas
 TMK Boundaries
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low lying areas, displayed in green, are hydrologically disconnected from the ocean. The map also shows the elevation data used to create the area's hydraulics. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kaula is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence, or future construction. The data is not intended to be used for engineering purposes, such as for hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://scc.noaa.gov/slr/beta/viewer/>

North Arrow

Scale: 0 250 500 1,000 1,500 2,000 Feet
 1:10,000

March 2014

Appendix C - Sea level rise Inundation Assessments and Needs for Select Coastal Areas



KAUA'I CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT

1 Foot Potential Sea Level Rise Scenario Po'ipū, Kaua'i

MAP CONTENTS

Water Depth
■ Deeper
■ Shallower

Low Lying Areas
■ Low Lying Areas

TMK Boundaries
 TMK Boundaries

Roads
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically connected to any low-lying areas that are inundated. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, slumping, and future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

N
W E
S

Feet
 0 250 500 1,000 1,500 2,000
 1:10,000
 March 2014

Appendix C: Sea-level Rise Inundation Assessments and Needs for Select Coastal Areas



KAUAI CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT

3 Foot Potential Sea Level Rise Scenario Po'ipū, Kaua'i

MAP CONTENTS

Water Depth
■ Deeper
■ Shallower

Low Lying Areas
■ Low Lying Areas

TMK Boundaries
 TMK Boundaries

Roads
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically connected to any low-lying areas that are inundated. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, slumping, and future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

0 250 500 1,000 1,500 2,000
Feet

1:110,000
March 2014

Appendix C: Sea-level Rise Inundation Assessments and Needs for Select Coastal Areas



**KAUA'I CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
6 Foot Potential Sea Level Rise Scenario
Po'ipū, Kaua'i

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas
 TMK Boundaries
 Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low lying areas, displayed in green, are hydrologically connected to the ocean. The map also includes topographic data to help the elevation data captures the area's hydrology. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence, or future construction, the data does not account for potential future changes in storm surge, hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://sc.noa.gov/slr/beta/viewer/>

North Arrow

Scale: 0 250 500 1,000 1,500 2,000 Feet

1:10,000

March 2014



KAUAI CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT

1 Foot Potential Sea Level Rise Scenario

Hanapepe, Kauai

MAP CONTENTS

Water Depth

- Deeper
- Shallower

Low Lying Areas

TMK Boundaries

Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically unconnected from any other areas. The map is overlaid on a topographic base map with the elevation data from the U.S. National Wetlands Inventory. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence, future coastal barbs, and other factors that may be susceptible to future coastal barbs such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:

The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
National Oceanic and Atmospheric Administration (NOAA),
Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

Scale: 1:10,000

Scale Bar: 0 250 500 1,000 1,500 2,000 Feet

Compass Rose: N, S, E, W

March 2014

Appendix C: Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



**KAUAI CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
3 Foot Potential Sea Level Rise Scenario
Hanapepe, Kauai

MAP CONTENTS

- Water Depth
 - Deeper
 - Shallower
- Low Lying Areas
- TMK Boundaries
- Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically disconnected from any future inundation. The map was developed using the elevation data from the U.S. Hydrologic. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence, future coastal protection, or other factors that may be susceptible to future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

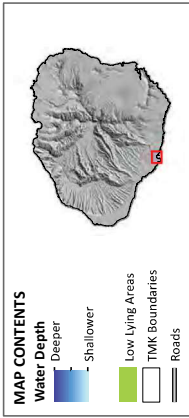
Data Source:
National Oceanic and Atmospheric Administration (NOAA),
Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

North arrow and scale bar. Scale: 0, 250, 500, 1,000, 1,500, 2,000 Feet. 1:10,000. March 2014.



KAUA'I CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT

6 Foot Potential Sea Level Rise Scenario Hanapepe, Kaua'i



MAP DESCRIPTION

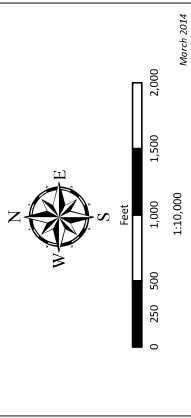
Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low lying areas, displayed in green, are hydrologically connected to the ocean. The map also displays topographic data and the elevation data captures the area's hydraulics. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence, or future construction. The data also does not account for potential impacts from other hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:

The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://sc.noaa.gov/slr/beta/viewer/>



Appendix C - Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



**KAUAI CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
1 Foot Potential Sea Level Rise Scenario
Waimea, Kauai

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas
 Low Lying Areas

TMK Boundaries
 TMK Boundaries

Roads
 Roads



MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically connected to any low-lying areas that are shown in blue. The map was created using the elevation data from the U.S. Hydrologic. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence, future coastal barriers such as dunes, hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

Scale:
 0 250 500 1,000 1,500 2,000 Feet
 1:110,000

North Arrow

March 2014

Appendix C: Sea-level rise Inundation Assessments and Needs for Select Coastal Areas



KAUA'I CLIMATE CHANGE AND COASTAL HAZARDS ASSESSMENT

3 Foot Potential Sea Level Rise Scenario Waimea, Kaua'i

MAP CONTENTS

Water Depth
 Deeper
 Shallower

Low Lying Areas

TMK Boundaries

Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically connected to the sea. The map is intended to be used in conjunction with the elevation data from the U.S. Hydrologic Engineering Center's analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kaua'i is currently rising at an average rate of 1.53mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and/or natural processes such as erosion, subsidence, and future coastal hazards such as hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:
 The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://csc.noaa.gov/sir/beta/viewer/>

0 250 500 1,000 1,500 2,000
 Feet
 1:110,000
 March 2014

Appendix C: Sea-level Rise Inundation Assessments and Needs for Select Coastal Areas



**KAUA'I CLIMATE CHANGE
AND COASTAL HAZARDS ASSESSMENT**
6 Foot Potential Sea Level Rise Scenario
Waimea, Kaua'i

MAP CONTENTS

Water Depth
 ■ Deeper
 ■ Shallower

Low Lying Areas
 ■ Low Lying Areas

TMK Boundaries
 ■ TMK Boundaries

Roads
 ■ Roads

MAP DESCRIPTION

Blue areas denote the potential for inundation due to future sea level rise. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low lying areas, displayed in green, are hydrologically disconnected from the ocean. The map also captures the hydrological flow of the area's hydraulics. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Sea level around the island of Kauai is currently rising at an average rate of 1.33mm/yr and is projected to continue to rise at an accelerated rate both globally and locally. The purpose of this data is to provide a preliminary look at sea level rise and coastal flooding impacts. It is intended to be used as a screening level tool to inform management decisions and long-range planning. The data depicted in this map can assist local planning authorities in better understanding the potential impacts of rising sea levels and developing appropriate adaptation strategies. The data does not consider future changes in coastal geomorphology and natural processes such as erosion, subsidence, or future construction. The data also does not account for potential impacts from hurricanes and tsunamis. The data does not specify timing of inundation depths and is not appropriate for conducting detailed spatial analysis.

Disclaimer:

The data presented in this map illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. Water levels are shown as they would appear during the highest high tides (excluding wind driven tides). The data should be used only as a screening-level tool for management decisions. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. The data should be used strictly as a planning reference and not for navigation, permitting, or other legal purposes.

Data Source:
 National Oceanic and Atmospheric Administration (NOAA),
 Ocean Services, Coastal Services Center (November 2013)
<http://scc.noaa.gov/slr/beta/viewer/>

Scale:
 0 250 500 1,000 1,500 2,000
 Feet
 1:10,000

North Arrow:
 N
 W E S

March 2014