

1. Executive Summary.....	1-1
2. Section 1: Introduction	
Purpose .....	1-2
Geography .....	1-5
Climate .....	1-6
Demographics.....	1-7
Governance.....	1-11
Employment .....	1-10
3. Section 2: Prerequisites	
Resolutions .....	2-1
Multi-Jurisdictional Adoption .....	2-2
4. Section 3: Planning	
Planning Process.....	3-1
Documentation of Planning Process.....	3-9
Documentation of Local Participation.....	3-15
Status of Local Participation .....	3-17
5. Section 4: Risk Assessment	
Risk Assessment.....	4-1
Physical Geography.....	4-2
Climate Change .....	4-6
Temperature Changes .....	4-8
Precipitation Changes .....	4-4
Description of Natural Hazards .....	4-9
Profiled Natural Hazard Ratings .....	4-9
Hazard Summary by Jurisdiction.....	4-11
Profiling Hazards.....	4-13
Flooding.....	4-13
Introduction .....	4-13
General Definition of Flooding .....	4-13
Location of Flooding Hazard.....	4-14
Extent of Flooding .....	4-17
Erosion.....	4-19
Dams.....	4-20
Previous Occurrences .....	4-21
Probability of Occurrence.....	4-24
Severe Winter Storm Events .....	4-26
Introduction .....	4-26
5-year Severe Winter Storm Events .....	4-27
Types of Winter Storms in Penobscot County .....	4-27
Location of Hazard .....	4-28
Extent of the Hazard.....	4-28

---

## ***Table of Contents***

Previous Occurrences .....	4-29
Probability of Occurrence.....	4-32
Severe Summer Storm Events.....	4-33
Introduction .....	4-33
General Definition of Severe Summer Storm Events....	4-33
Types of Severe Summer Storm Events.....	4-33
Location of Hazard.....	4-33
Extent of the Hazard.....	4-33
Previous Occurrences .....	4-33
Probability of Occurrence.....	4-34
Wildfire .....	4-35
Introduction .....	4-35
General Definition of Wildfire .....	4-35
Types of Wildfire in Penobscot County .....	4-35
Location of Hazard.....	4-35
Extent of the Hazard.....	4-36
Previous Occurrences .....	4-36
Probability of Occurrence.....	4-41
Assessing Vulnerability: Overview.....	4-41
Vulnerability of Penobscot County to Each Hazard.....	4-42
Impacts of Each Hazard on Penobscot County .....	4-43
Repetitive Loss Properties.....	4-44
Vulnerabilities Specific to Flooding.....	4-57
Vulnerabilities Specific to Winter Storms.....	4-58
Vulnerabilities Specific to Summer Storms .....	4-58
Vulnerabilities Specific to Wildfire .....	4-58
Municipal Critical Facilities.....	4-58
Vulnerability of Future Bldgs., Infrastructure, Critical Facilities	4-61
Estimated Potential Losses for each Hazard .....	4-62
General Description of Land Uses and Development Trends....	4-84
Multi-Jurisdictional Risk Assessment .....	4-86
 6. Section 5: Mitigation Strategies	
Mitigation Strategy.....	5-1
Existing Authorities, Policies, Programs and Resources.....	5-2
Goals.....	5-4
Comprehensive Range of Specific Actions and Projects .....	5-8
Action Plan .....	5-8
Timeframe.....	5-9
Implementation and Administration of Mitigation Actions .....	5-10
Potential Funding Sources .....	5-16
Multi-Jurisdictional Mitigation Actions .....	5-12
Participation in the National Flood Insurance Program .....	5-12
Actions Related to Continued Compliance of NFIP Program....	5-15
Status of Completed, Deleted or Deferred Projects .....	5-16

## **Table of Contents**

---

7. Section 6: Plan Maintenance	
Monitoring, Evaluating and Updating the Plan.....	6-1
Monitoring the Plan .....	6-1
Evaluating the Plan.....	6-1
Updating the Plan .....	6-2
Incorporating Mitigation into other Planning Mechanisms .....	6-2
Continued Public Participation.....	6-4
Plan Review.....	6-5
Development Changes.....	6-5
Local Mitigation Efforts.....	6-6
Changes in Priority .....	6-7
8. Appendices	
a. Municipal Maps	
b. Participation	
c. Municipal Surveys	
d. Outreach	