Aroostook County Hazard Mitigation Plan – 2021 Update

Table of Contents

**1. Overview**

Topography 1-2

County Government 1-2

Local Units of Government 1-3

Aroostook Band of Micmacs 1-4

Population 1-4

Major Employers 1-8

Transportation 1-9

**2. Plan Adoption**

Plan Adoption 2-1

Resolution of Adoption 2-2

**3. Planning Process**

Planning Process 3-2

Local Director’s Meetings 3-1

Kick-Off Meetings 3-2

Survey #1 3-3

Survey #2 3-5

Public Comment Sessions 3-5

Public Comments 3-5

Outreach 3-6

Summary of Local Participation 3-17

Opportunity for Neighboring Communities, Regional Agencies 3-21

**4. Risk Assessment**

Risk Assessment 4-1

Climate 4-1

Climate Change 4-3

Description of Hazards 4-6

Flooding 4-11

Types of flooding 4-12

Nature of the Hazard from Dam Failure 4-13

Nature of Flood Hazard from other than Dam Failure 4-15

Location of Flooding Hazard 4-15

Extent 4-18

Previous Occurrences 4-19

Probability of Occurrence 4-22

Severe Winter Storms 4-23

Types of Winter Storms 4-23

Location of Hazard 4-24

Extent 4-27

Previous Occurrences 4-27

Probability of Occurrence 4-28

Severe Summer Storms 4-29

Types of Severe Summer Weather Events 4-29

Location of Hazard 4-30

Extent 4-32

Previous Occurrences 4-33

Probability of Occurrence 4-33

Wildfire 4-34

Types of Wildfire 4-34

Location of Hazard 4-34

Extent 4-36

Previous Occurrences 4-36

Probability of Occurrence 4-37

Droughts 4-38

General Definition 4-38

Nature of Hazard 4-38

Location of Hazard 4-38

Extent 4-39

Previous Occurrences 4-41

Probability of Occurrence 4-42

Assessing Vulnerability: Overview 4-43

A. Vulnerability of Aroostook County to Each Hazard 4-43

B. Impacts of Each Hazard on Aroostook County 4-44

Repetitive Loss Properties 4-45

Assessing Vulnerability: Identifying Structures 4-47

A. Vulnerability of Existing Buildings, Infrastructure, Critical Facilities 4-47

B. Vulnerability of Future Buildings, Infrastructure, Critical Facilities 4-48

County Asset Inventory 4-51

Future Critical Facilities 4-53

Assessing Vulnerability: Estimating Potential Losses 4- 55

Potential Flood Losses 4-55

Severe Winter and Summer Storm Losses 4-58

Potential Wildfire Losses 4-62

Potential Drought Damages 4-65

Assessing Vulnerability: Analyzing Development Trends 4-65

Impacts of Hazards on Future Development 4-66

Multi-Jurisdictional Risk Assessment 4-67

**5. Mitigation Strategies**

Mitigation Strategies 5-1

C1. Existing Authorities, Policies, Programs, Resources 5-1

C2. Participation in National Flood Insurance Program 5-6

C3. Goals 5-8

C4, C5. County Actions 5-9

Rating of Actions, Establishment of Priorities 5-18

Local Projects 5-20

Potential Funding Sources 5-21

Aroostook County Projects 5-22

**6. Plan Maintenance Process**

Monitoring the Plan 6-1

Evaluating the Plan 6-1

Updating the Plan 6-1

Incorporation into Existing Planning Mechanisms 6-2

Continued Public Participation 6-4