



# TABLE OF CONTENTS

## EXECUTIVE SUMMARY (STAND-ALONE DOCUMENT)

**SECTION 1.0 INTRODUCTION** ..... 1.0-2

    1.0-1 Purpose and Scope ..... 1.0-2

    1.0-2 Planning Requirements ..... 1.0-2

    1.0-3 Organization of the Plan ..... 1.0-3

    1.0-4 Contact Information ..... 1.0-5

**SECTION 2.0 PLANNING PROCESS** ..... 2.0-2

    2.0-1 Overview ..... 2.0-2

    2.0-2 Coordination and Stakeholder Engagement ..... 2.0-3

**SECTION 3.0 STATE PROFILE** ..... 3.0-2

    3.0-1 Overview ..... 3.0-2

    3.0-2 Built Environment ..... 3.0-4

    3.0-3 Population and the Economy ..... 3.0-7

    3.0-4 Ecosystems and Natural Assets ..... 3.0-11

**SECTION 4.0 STATE RISK ASSESSMENT** ..... 4.1-2

**SECTION 4.1 RISK ASSESSMENT OVERVIEW** ..... 4.1-2

    4.1-1 Overview ..... 4.1-2

    4.1-2 Changes from the 2019 Plan ..... 4.1-2

    4.1-3 Hazards of Concern in New Jersey ..... 4.1-2

    4.1-4 Vulnerability Assessment ..... 4.1-5

**SECTION 4.2 COASTAL EROSION** ..... 4.2-2

    4.2-1 Hazard Overview ..... 4.2-2

    4.2-2 Location, Extent, and Magnitude ..... 4.2-2

    4.2-3 Previous Occurrences and Losses ..... 4.2-4

    4.2-4 Probability of Future Occurrences ..... 4.2-6

    4.2-5 Vulnerability Assessment ..... 4.2-8



SECTION 4.3 DAM AND LEVEE FAILURE ..... 4.3-2

    4.3-1 Hazard Overview ..... 4.3-2

    4.3-2 Location, Extent, and Magnitude ..... 4.3-3

    4.3-3 Previous Occurrences and Losses ..... 4.3-7

    4.3-4 Probability of Future Occurrences ..... 4.3-8

    4.3-5 Vulnerability Assessment ..... 4.3-10

SECTION 4.4 DROUGHT ..... 4.4-2

    4.4-1 Hazard Overview ..... 4.4-2

    4.4-2 Location, Extent, and Magnitude ..... 4.4-3

    4.4-3 Previous Occurrences and Losses ..... 4.4-6

    4.4-4 Probability of Future Occurrences ..... 4.4-9

    4.4-5 Vulnerability Assessment ..... 4.4-10

SECTION 4.5 EARTHQUAKE ..... 5.5-2

    4.5-1 Hazard Overview ..... 4.5-2

    4.5-2 Location, Extent, and Magnitude ..... 4.5-3

    4.5-3 Previous Occurrences and Losses ..... 4.5-8

    4.5-4 Probability of Future Occurrences ..... 4.5-11

    4.5-5 Vulnerability Assessment ..... 4.5-11

SECTION 4.6 EXTREME TEMPERATURE ..... 4.6-2

    4.6-1 Hazard Overview ..... 4.6-2

    4.6-2 Location, Extent, and Magnitude ..... 4.6-2

    4.6-3 Previous Occurrences and Losses ..... 4.6-5

    4.6-4 Probability of Future Occurrences ..... 4.6-8

    4.6-5 Vulnerability Assessment ..... 4.6-8

SECTION 4.7 FLOOD ..... 4.7-2

    4.7-1 Hazard Overview ..... 4.7-2

    4.7-2 Location, Extent and Magnitude ..... 4.7-9

    4.7-3 Previous Occurrences and Losses ..... 4.7-34

    4.7-4 Probability of Future Occurrences ..... 4.7-51



4.7-5 Vulnerability Assessment ..... 4.7-53

SECTION 4.8 GEOLOGICAL HAZARDS ..... 4.8-2

4.8-1 Hazard Overview ..... 4.8-2

4.8-2 Location, Extent, and Magnitude ..... 4.8-3

4.8-3 Previous Occurrences and Losses ..... 4.8-10

4.8-4 Probability of Future Occurrences ..... 4.8-12

4.8-5 Vulnerability Assessment ..... 4.8-13

SECTION 4.9 HURRICANE, NOR'EASTER, TROPICAL STORM ..... 4.9-2

4.9-1 Hazard Overview ..... 4.9-2

4.9-2 Location, Extent, and Magnitude ..... 4.9-3

4.9-3 Previous Occurrences and Losses ..... 4.9-8

4.9-4 Probability of Future Occurrences ..... 4.9-14

4.9-5 Vulnerability Assessment ..... 4.9-15

SECTION 4.10 SEVERE WEATHER ..... 4.10-2

4.10-1 Hazard Overview ..... 4.10-2

4.10-2 Location, Extent and Magnitude ..... 4.10-3

4.10-3 Previous Occurrences and Losses ..... 4.10-7

4.10-4 Probability of Future Occurrences ..... 4.10-13

4.10-5 Vulnerability Assessment ..... 4.10-13

SECTION 4.11 SEVERE WINTER WEATHER ..... 5.11-2

4.11-1 Hazard Overview ..... 4.11-2

4.11-2 Location, Extent and Magnitude ..... 4.11-3

4.11-3 Previous Occurrences and Losses ..... 4.11-7

4.11-4 Probability of Future Occurrences ..... 4.11-9

4.11-5 Vulnerability Assessment ..... 4.11-10

SECTION 4.12 WILDFIRE ..... 4.12-2

4.12-1 Hazard Overview ..... 4.12-2

4.12-2 Location, Extent, and Magnitude ..... 4.12-3

4.12-3 Previous Occurrences and Losses ..... 4.12-4



4.12-4 Probability of Future Occurrences..... 4.12-7

4.12-5 Vulnerability Assessment..... 4.12-9

SECTION 4.13 ANIMAL DISEASE ..... 4.13-2

4.13-1 Hazard Overview ..... 4.13-2

4.13-2 Location, Extent, and Magnitude ..... 4.13-5

4.13-3 Previous Occurrences and Losses..... 4.13-6

4.13-4 Probability of Future Occurrences..... 4.13-7

4.13-5 Vulnerability Assessment..... 4.13-8

SECTION 4.14 CIVIL UNREST ..... 4.14-2

4.14-1 Hazard Overview ..... 4.14-2

4.14-2 Location, Extent, and Magnitude ..... 4.14-3

4.14-3 Previous Occurrences and Losses..... 4.14-4

4.14-4 Probability of Future Occurrences..... 4.14-7

4.14-5 Vulnerability Assessment..... 4.14-7

SECTION 4.15 CYBER ATTACK..... 4.15-2

4.15-1 Hazard Overview ..... 4.15-2

4.15-2 Location, Extent, and Magnitude ..... 4.15-3

4.15-3 Previous Occurrences and Losses..... 4.15-5

4.15-4 Probability of Future Occurrences..... 4.15-5

4.15-5 Vulnerability Assessment..... 4.15-5

SECTION 4.16 CROP FAILURE ..... 4.16-2

4.16-1 Hazard Overview ..... 4.16-2

4.16-2 Location, Extent, and Magnitude ..... 4.16-2

4.16-3 Previous Occurrences and Losses..... 4.16-5

4.16-4 Probability of Future Occurrences..... 4.16-7

4.16-5 Vulnerability Assessment..... 4.16-8

SECTION 4.17 ECONOMIC COLLAPSE ..... 4.17-2

4.17-1 Hazard Overview ..... 4.17-2

4.17-2 Location, Extent, and Magnitude ..... 4.17-2



4.17-3 Previous Occurrences and Losses ..... 4.17-2

4.17-4 Probability of Future Occurrences ..... 4.17-5

4.17-5 Vulnerability Assessment..... 4.17-5

SECTION 4.18 FISHING FAILURE..... 4.18-2

4.18-1 Hazard Overview ..... 4.18-2

4.18-2 Location, Extent, and Magnitude ..... 4.18-3

4.18-3 Previous Occurrences and Losses ..... 4.18-4

4.18-4 Probability of Future Occurrences ..... 4.18-5

4.18-5 Vulnerability Assessment..... 4.18-5

SECTION 4.19 HARMFUL ALGAL BLOOMS..... 4.18-2

4.19-1 Hazard Overview ..... 4.19-2

4.19-2 Location, Extent, and Magnitude ..... 4.19-2

4.19-3 Previous Occurrences and Losses ..... 4.19-4

4.19-4 Probability of Future Occurrences ..... 4.19-5

4.19-5 Vulnerability Assessment..... 4.19-6

SECTION 4.20 HAZARDOUS SUBSTANCES ..... 4.20-2

4.20-1 Hazard Overview ..... 4.20-2

4.20-2 Location, Extent, and Magnitude ..... 4.20-3

4.20-3 Previous Occurrences and Losses ..... 4.20-9

4.20-4 Probability of Future Occurrences ..... 4.20-14

4.20-5 Vulnerability Assessment..... 4.20-14

SECTION 4.21 NUCLEAR HAZARDS..... 4.21-2

4.21-1 Hazard Overview ..... 4.21-2

4.21-2 Location, Extent, and Magnitude ..... 4.21-2

4.21-3 Previous Occurrences and Losses ..... 4.21-4

4.21-4 Probability of Future Occurrences ..... 4.21-4

4.21-5 Vulnerability Assessment..... 4.21-5

SECTION 4.22 PANDEMIC ..... 4.21-2

4.22-1 Hazard Overview ..... 4.22-2



4.22-2 Location, Extent, and Magnitude ..... 4.22-3

4.22-3 Previous Occurrences and Losses..... 4.22-6

4.22-4 Probability of Future Occurrences..... 4.22-15

4.22-5 Vulnerability Assessment..... 4.22-16

**SECTION 4.23 TERRORISM..... 4.23-2**

4.23-1 Hazard Overview ..... 4.23-2

4.23-2 Location, Extent, and Magnitude ..... 4.23-4

4.23-3 Previous Occurrences and Losses..... 4.23-5

4.23-4 Probability of Future Occurrences..... 4.23-7

4.23-6 Vulnerability Assessment..... 4.23-8

**SECTION 5.0 CAPABILITY ASSESSMENT ..... 5.0-2**

5.0-1 Changes from the 2019 Plan ..... 5.0-2

5.0-2 Overview ..... 5.0-2

5.0-3 Administration Of Hazard Mitigation Programs in the State ..... 5.0-3

5.0-4 Emergency Management..... 5.0-4

5.0-5 State Pre- and Post- Disaster Capabilities..... 5.0-5

5.0-6 State Participation in Federal Mitigation-Related Programs ..... 5.0-7

5.0-7 Regional, County, and Local ..... 5.0-10

5.0-8 Policies and Programmatic Capabilities..... 5.0-13

5.0-9 Funding Capabilities ..... 5.0-36

5.0-10 Summary of Changes in State Capabilities..... 5.0-38

5.0-11 Progress on Integration into State Programs..... 5.0-40

5.0-12 Summary of Effectiveness of Local Mitigation Capabilities ..... 5.0-41

5.0-13 Local Foundational Capabilities for Hazard Mitigation..... 5.0-41

5.0-14 Evaluation of Local Hazard Mitigation Plans..... 5.0-53

5.0-15 Emerging Local Capabilities ..... 5.0-53

5.0-16 Challenges, Barriers, and Opportunities for Hazard Mitigation Implementation .5.0-54



**SECTION 6.0 MITIGATION STRATEGY** ..... 6.0-2

    6.0-1 Changes from the 2019 Plan..... 6.0-2

    6.0-2 Overview..... 6.0-2

    6.0-3 Goals and Objectives ..... 6.0-2

    6.0-4 Review and Evaluation of 2019 SHMP Mitigation Actions ..... 6.0-5

    6.0-5 New State Priorities and Approaches to Hazard Mitigation..... 6.0-6

    6.0-6 New Funding Sources to Support Hazard Mitigation..... 6.0-7

    6.0-7 Identification of Mitigation Actions for the 2024 SHMP ..... 6.0-7

    6.0-8 Prioritizing Mitigation Actions ..... 6.0-11

**SECTION 7.0 REPETITIVE LOSS STRATEGY** ..... 7.0-2

    7.0-1 Overview..... 7.0-3

    7.0-2 Administration ..... 7.0-3

    7.0-3 Background ..... 7.0-6

    7.0-4 Data Summary ..... 7.0-6

    7.0-5 State and Local Capabilities ..... 7.0-11

    7.0-6 New Jersey Repetitive Loss Strategy..... 7.0-23

**SECTION 8.0 COORDINATION OF LOCAL PLANNING** ..... 8.0-2

    8.0-1 Overview ..... 8.0-2

    8.0-2 Process for Developing Local Plans, Projects, and Continued Planning ..... 8.0-2

    8.0-3 Local Plan Review, Coordination and Linkage to the SHMP ..... 8.0-11

    8.0-4 Criteria for Prioritizing Mitigation Planning and Project Grants ..... 8.0-24

**SECTION 9.0 PLAN MAINTENANCE** ..... 9.0-2

    9.0-1 Changes from the 2019 Plan..... 9.0-2

    9.0-2 Review of the 2019 SHMP Maintenance Procedures ..... 9.0-2

    9.0-3 Monitoring and Evaluating ..... 9.0-3

    9.0-4 Tracking Progress ..... 9.0-5

    9.0-5 Documenting and Supporting Local HMPs ..... 9.0-5

    9.0-6 Updating the SHMP..... 9.0-5



**SECTION 10.0 EMERGENCY MANAGEMENT ACCREDITATION PROGRAM 10.0-2**

10.0-1 Hazard Identification .....10.0-2

10.0-2 Risk Assessment .....10.0-2

10.0-3 Consequence Analysis.....10.0-3

**SECTION 11 PLAN ADOPTION .....11.0-2**

11.0-1 Overview .....11.0-2

11.0-2 Authority and References .....11.0-2

11.0-3 Assurances .....11.0-2

11.0-4 Adoption Documents .....11.0-2

**APPENDICES**

Appendix A – FEMA Plan Review Tool.....A-1

Appendix B – Risk Assessment Supplement .....B-1

Appendix C – Capability Assessment Supplement .....C-1

Appendix D – 2024 SHMP Mitigation Action Plan .....D-1

Appendix E – Mitigation Action Prioritization Tool.....E-1

Appendix F – Meeting Documentation ..... F-1

Appendix G – Enhanced Dam Risk Assessment .....G-1

Appendix H – Mitigation Strategy Supplement .....H-1

Appendix I – Annual Review Checklist .....I-1

Appendix J – Executive Order 344 .....J-1