

6. CITY OF MERIDIAN

6.1 MULTI-HAZARD MITIGATION PLAN POINT OF CONTACT

Primary Point of Contact

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6.2 JURISDICTION PROFILE

The following is a summary of key information about the jurisdiction and its history:

- Date of Incorporation—Established August 1903
- Current Population—Estimated 91,420 as of April 2016 (COMPASS 1990-2016 Population Estimates by City Limit Boundaries)
- Population Growth—Meridian has seen significant growth in the last 10 years, with an increase of 12.8% since 2009. Community Planning Association of Southwest Idaho (COMPASS) estimates that the population of Meridian will increase to 138,564 by 2035, an increase of over 70%.
- Location and Description—Meridian is not only geographically located in the center of the Treasure Valley, but it also is the population center of the Treasure Valley; people are evenly distributed in all directions from Meridian. Downtown Meridian is approximately 10 miles from the heart of Boise.
- Brief History—Meridian has transformed from a sagebrush-filled mail drop located on the Oregon Trail in the 1880s, to a small fruit orchard center after the turn of the century through the 1930s, to a dairy-based farming community in the 1940s. Meridian is named for Idaho's principle meridian used for the initial survey of the state which coincides with Meridian Road at the center of the City. Its character as a small farming community continued until approximately 1990, when its population was still about 10,000.
- Climate—Meridian is favored by a mild, arid climate. July is the hottest month, with the average high temperature of 90° F. January is the coldest month with an average low temperature of 22° F. The normal precipitation pattern in the Meridian area shows a winter high of 1.2 inches of precipitation per month and a very pronounced summer low of about 0.1 inches. Typically there are 12 inches of annual precipitation.
- Governing Body Format—Meridian uses the Mayor-Council form of local government. In Meridian, the Council, which includes the Mayor, possesses both legislative and executive authority. Departments include: City Clerk, Community Development, Finance, Fire, Human Resources, Legal, Mayor's Office, Parks & Recreation, Police, and Public Works. The City Council is responsible for the adoption of this plan, City Departments are responsible for its implementation.

- **Development Trends**—As of April 2016, single family housing is the predominant development in Meridian, accounting for 87% of all dwelling units. Additionally at the end of 2015, Meridian provided 17% of available jobs in Ada County, or 37,108. Meridian seeks to improve and diversify its housing inventory, create strong and sustainable jobs, improve infrastructure, and support diversified modes of transportation.

6.3 CAPABILITY ASSESSMENT

An assessment of legal and regulatory capabilities is presented in Table 6-1. An assessment of fiscal capabilities is presented in Table 6-2. An assessment of administrative and technical capabilities is presented in Table 6-3. Information on National Flood Insurance Program (NFIP) compliance is presented in Table 6-4. Classifications under various community mitigation programs are presented in Table 6-5. An assessment of education and outreach capabilities is presented in Table 6-6.

Table 6-1. Legal and Regulatory Capability

	Local Authority	Other Jurisdiction Authority	State Mandated
Building Code <i>Comment : Meridian City Code Title 10, Chapter 1; Adopted 12/2 2014; Ord. #14-1633</i>	Yes	No	Yes
Zoning Code <i>Comment: Meridian City Code Title 11, Chapter 2; Adopted 7/8/2008; Ord. #08-1372</i>	Yes	No	No
Subdivisions <i>Comment: Meridian City Code Title 11, Chapter 6; Adopted 7/8/2008; Ord. #08-1372</i>	Yes	No	No
Stormwater Management <i>Comment: ACHD owns and operates storm drain system. ACHD holds EPA NPDES MS4 Phase I and Phase II permits. City complies with the EPA's Construction General Permit for City-owned projects.</i>	No	Yes	No
Post-Disaster Recovery	No	No	No
Real Estate Disclosure	No	No	No
Growth Management <i>Comment: City of Meridian Comprehensive Plan; Adopted 9/9/2014; Resolution #14-1011</i>	Yes	No	No
Site Plan Review <i>Comment: Multiple City Ordinances and Departments; and 3rd party agencies.</i>	Yes	No	No
Environmental Protection <i>Comment: Multiple City Ordinances and Departments; and 3rd party agencies</i>	Yes	No	No
Flood Damage Prevention <i>Comment: Meridian City Code Title 10, Chapter 6; Adopted 1/1/2014; Ord. #13-1584</i>	Yes	No	No
Emergency Management <i>Comment: Emergency Management for the City of Meridian is done in partnership with ACEM. Meridian participates through the ACEM Board as well as representation on TAG (Technical Advisory Group). In addition, the City has an Emergency Management committee focused on Meridian specific preparedness.</i>	Yes	No	No
Climate Change	No	No	No
Other	Yes	No	No

	Local Authority	Other Jurisdiction Authority	State Mandated
General or Comprehensive Plan <i>Comment: City of Meridian Comprehensive Plan; Adopted 9/9/2014; Resolution #14-1011</i>	Yes	No	No
Capital Improvement Plan <i>Comment: City of Meridian Engineering Capital & Enhancement Plan (5-Year CIP for water, sewer and reclaimed utilities. Updated annually. Last Updated to cover 2016-2020.</i>	Yes	No	No
Floodplain or Watershed Plan <i>Comment: The 2017 Ada County Multi-Hazard Mitigation Plan will qualify as a flood hazard management plan under CRS criteria upon its completion and adoption.</i>	Yes	No	No
Stormwater Plan <i>Comment: ACHD owns and operates storm drain system. ACHD holds EPA NPDES MS4 Phase I and Phase II permits. City complies with the EPA's Construction General Permit for City-owned projects.</i>	No	Yes	No
Habitat Conservation Plan	No	No	No
Economic Development Plan <i>Comment: City of Meridian Strategic Plan presented to Council and adopted 5/5/2015</i>	Yes	No	No
Shoreline Management Plan	No	No	No
Community Wildfire Protection Plan <i>Comment: The City of Meridian has no wildland-urban interface areas, but does participate in the County-wide wildland fire planning group. This plan is currently being updated.</i>	Yes	No	No
Forest Management Plan	No	No	No
Climate Action Plan	No	No	No
Other		No	No
Comprehensive Emergency Management Plan <i>Comment: The City has adopted a Comprehensive Emergency Management Plan utilizing Emergency Support Functions.</i>	Yes	No	No
Threat & Hazard Identification & Risk Assessment <i>Comment: Ada County THIRA – DRAFT; May 2015</i>	No	Yes	No
Post-Disaster Recovery Plan <i>Comment: Currently no adopted Post-Disaster Recovery Plan.</i>	No	No	No
Continuity of Operations Plan <i>Comment:</i>	Yes	No	No
Public Health Plan <i>Comment: Central District Health Department Emergency Operations Plan, 2013. Fire Department does have input on Public Health planning via the ACCESS EMS system.</i>	No	Yes	No

Table 6-2. Fiscal Capability

Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	Yes
Incur Debt through General Obligation Bonds	No
Incur Debt through Special Tax Bonds	No
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	Yes
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Other	None

Table 6-3. Administrative and Technical Capability

Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Community Development, Public Works; several positions
Engineers or professionals trained in building or infrastructure construction practices	Yes	Community Development, Public Works; several positions
Planners or engineers with an understanding of natural hazards	Yes	Community Development, Public Works, several positions
Staff with training in benefit/cost analysis	Yes	Community Development, Public Works; various positions
Surveyors	No	
Staff capable of making substantial damage estimates	Yes	Community Development, Public Works; several positions
Personnel skilled or trained in GIS applications	Yes	Information Technology, Community Development, Public Works, several positions
Scientist familiar with natural hazards in local area	No	Planning partners available through universities and Idaho Department of Homeland Security
Emergency manager	Yes	No dedicated Emergency Manager for the City of Meridian.
Grant writers	Yes	Ability to contract for service

Table 6-4. National Flood Insurance Program Compliance

Criteria	Response
When did the community enter the NFIP?	3/20/92
When did the Flood Insurance Rate maps become effective (current)?	10/02/03
What local department is responsible for floodplain management?	Community Development, Public Works
Who is your floodplain administrator? (department/position)	Public Works; City Engineer or Appointee
<ul style="list-style-type: none"> Is this a primary or auxiliary role? 	Primary
Are any certified floodplain managers on staff in your jurisdiction?	Yes
What is the date of adoption of your flood damage prevention ordinance (current)? <ul style="list-style-type: none"> Does your floodplain management program meet or exceed minimum requirements? If so, in what ways? 	1/1/2014 Exceed Several (Low Floor 2' freeboard, Crawlspace 1' freeboard, added buffer of mapped boundaries, etc.)
When was the most recent Community Assistance Visit or Community Assistance Contact?	12/31/2013 (CAV); 2/18/2015 (CAC)
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? <ul style="list-style-type: none"> If so, please state what they are. 	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> If no, please state why. 	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program? <ul style="list-style-type: none"> If so, what type of assistance/training is needed? 	No
Does your jurisdiction participate in the Community Rating System (CRS)? <ul style="list-style-type: none"> If so, is your jurisdiction seeking to improve its CRS Classification? 	Yes
How many Flood Insurance policies are in force in your jurisdiction? <ul style="list-style-type: none"> What is the insurance in force? What is the premium in force? 	Approx. 107 (as of Oct. 2014) \$21,664,200 (as of Oct. 2014) \$73,617 (as of Oct. 2014)
How many total loss claims have been filed in your jurisdiction? <ul style="list-style-type: none"> How many claims were closed without payment/are still open? What were the total payments for losses? 	1 (as of Oct. 2014) 0 (as of Oct. 2014) \$23,747 (as of Oct. 2014)

Table 6-5. Community Classifications

	Participating?	Classification	Date Classified
Community Rating System	Yes	8	5/6/2015 (draft)
Building Code Effectiveness Grading Schedule	Yes	99	N/A
Public Protection	Yes	ISO Class 3	2009
Storm Ready	Yes	Blue	N/A
Firewise	No	N/A	N/A

Table 6-6. Education and Outreach

Criteria	Response
Do you have a Public Information Officer or Communications Office?	Yes – Mayor’s Office Communications Manager
Do you have personnel skilled or trained in website development?	Yes – Information Technology
Do you have hazard mitigation information available on your website? • If yes, please briefly describe.	Yes Links to Ada County Mitigation websites
Do you utilize social media for hazard mitigation education and outreach? • If yes, please briefly describe.	No
Do you have any citizen boards or commissions that address issues related to hazard mitigation? • If yes, please briefly specify.	No
Do you have any other programs already in place that could be used to communicate hazard-related information? • If yes, please briefly describe.	Yes Social media could be accessed to provide information
Do you have any established warning systems for hazard events? • If yes, please briefly describe.	No Code Red – residents may sign up to receive emergency notifications and critical community alerts. Ada County Emergency Management developed a Joint Information System Plan that delineates the processes with developing a regional joint information system and center for coordinating public information messaging.

6.4 INTEGRATION WITH OTHER PLANNING INITIATIVES

This section describes the City’s process for integrating the Multi-Hazard Mitigation Plan into local planning.

6.4.1 Existing Integration

The following plans and programs currently integrate the goals, risk assessment and/or recommendations of the Multi-Hazard Mitigation Plan:

- City of Meridian Comprehensive Plan—The Comprehensive Plan for Meridian currently includes mitigation related policies as they related to the protection of human life and property from flood events. Additionally, the Comprehensive plan addresses the need for natural resource protection and the identification of known hazards within the County.
- Meridian Flood Damage Prevention Ordinance—Ordinance integrates with Ada County Multi-Hazard Mitigation Plan goals and objectives.
- COOP – The COOP plan for the City of Meridian was completed in 2012 and adopted by City Council.

6.4.2 Opportunities for Future Integration

The following plans and programs do not currently integrate the goals, risk assessment and/or recommendations of the Multi-Hazard Mitigation Plan, but provide an opportunity for future integration:

- Meridian Comprehensive Plan—Plan can integrate goals and objectives of the Multi-Hazard Mitigation Plan
- Engineering Capital & Enhancement Plan (CIP)—Mitigation may be funded, in part, through the City CIP plan.
- Name of plan or program—Brief description of how the plan/program can be integrated with the Multi-Hazard Mitigation Plan

6.5 JURISDICTION-SPECIFIC NATURAL HAZARD EVENT HISTORY

Table 6-7 lists all past occurrences of natural hazards within the jurisdiction.

Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Cloudburst Rain Event	N/A	Sept 2013	Unknown
Cloudburst Rain Events	N/A	Aug 2010	Unknown
Wildfires	N/A	Sept 2000	Unknown
Rain & Flooding	N/A	Dec 1964	Unknown

6.6 JURISDICTION-SPECIFIC VULNERABILITIES

Repetitive loss records are as follows:

- Number of FEMA-identified Repetitive-Loss Properties: 0
- Number of FEMA-identified Severe-Repetitive-Loss Properties: 0
- Number of Repetitive-Loss Properties or Severe-Repetitive-Loss Properties that have been mitigated: 0

Other noted vulnerabilities include:

- Canal failure is a potential vulnerability. Refer to local irrigation districts for vulnerability assessments. .

6.7 HAZARD RISK RANKING

Table 6-8 presents the ranking of the hazards of concern.

Rank	Hazard Type	Risk Rating Score (Probability x Impact)	Category
1	Severe Weather	51	High
2	Earthquake	32	High
3	Flood	18	Medium
4	Wildfire	12	Medium
5	Drought	12	Medium
6	Volcano	11	Low
7	Landslide	5	Low
8	Dam Failure	0	Low

6.8 STATUS OF PREVIOUS PLAN INITIATIVES

Table 6-9 summarizes the initiatives that were recommended in the previous version of the hazard mitigation plan and their implementation status at the time this update was prepared.

Table 6-9. Status of Previous Action Plan

Action Item	Completed	Carry Over to Plan Update	Removed; No Longer Feasible
<p>M-1—Conduct a survey of water, sewer, fire, and police infrastructure including power generation equipment, wastewater treatment plant facilities, communications, and Supervisory Control and Data Acquisition (SCADA) equipment to analyze vulnerability to severe weather and earthquake, then design and execute improvements to mitigate.</p> <p><i>Comment: Vulnerability assessment is being conducted. Will include weather and flood elements.</i></p>		X	
<p>#M-2 – Become a “Firewise Community”</p> <p><i>Comment: Long term endeavor. No significant WUI areas in City.</i></p>		X	
<p>M-3—Maintain compliance and good standing in the National Flood Insurance Program</p> <p><i>Comment: Good standing in NFIP is maintained</i></p>		X	
<p>M-4—Apply for participation in the Community Rating System (CRS) and Maintain Standing in CRS</p> <p><i>Comment: Action Item should change to maintain CRS standing and improve rating as beneficial</i></p>	X		
<p>M-5—Consider the creation of a surface water utility including fee collection</p> <p><i>Comment: Initiative to be revised per findings. ACHD owns and operates storm drain system and is MS4 permittee in Meridian area.</i></p>			X
<p>M-6—Develop a comprehensive surface water protection program, including a stormwater management plan that includes the creation of a capital improvements program for stormwater in support of a stormwater utility.</p> <p><i>Comment: Initiative to be revised. Stormwater elements of City projects are funded as part of CIP. ACHD owns and operates storm drain system and is MS4 permittee in Meridian area.</i></p>		X	
<p>M-7—Partner with ACHD to implement a culvert replacement program for approximately 15 crossings of Fivemile, Ninemile, and Tenmile Creeks including design and construction.</p> <p><i>Comment: Culvert replacements occur as road funding becomes available. Consider additional Action Item for specific Old Town Meridian undersized system of culverts. Partners to be RR, ID, ACHD, City, Urban Renewal District, Meridian Development Corporation</i></p>		X	
<p>M-8—Partner with Idaho Transportation Department (ITD) to design and construct culvert improvements on Fivemile Creek at the I-84 / Eagle Road Interchange according to recommendations of “Fivemile Creek at Interstate 84—Eagle Road to Wells Street” Hydraulic Report, November 2008.</p> <p><i>Comment: Partial – Construction ongoing at I-84. Eagle Rd culvert pending design.</i></p>		X	
<p>M-9—Perform a vulnerability assessment on the Ridenbaugh and New York Canal system in the Meridian Area of Impact.</p> <p><i>Comment: Action item should change to partner with and assist local ID with future vulnerability assessments.</i></p>		X	
<p>M-10—Perform an assessment to determine housing areas that would benefit from foundation elevation projects. Work with homeowners to apply for grant funding for projects.</p> <p><i>Comment: Assessment still to be completed.</i></p>		X	
<p>M-11—Integrate Ada County Multi-Hazard Mitigation Plan into the City of Meridian's Comprehensive Plan.</p> <p><i>Comment: To be done in 2016 Comp Plan update</i></p>		X	
<p>M-12—Consider appropriate higher regulatory standards that prevent or reduce risk to the built environment from the known hazards of concern.</p> <p><i>Comment:</i></p>	X	X	

Action Item	Completed	Carry Over to Plan Update	Removed; No Longer Feasible
M-13—Where appropriate, support retrofitting, purchase, or relocation of structures located in hazard-prone areas to protect structures from future damage, with properties with exposure to repetitive losses as a priority. <i>Comment: Suggest combining with M-9 above. Assessment is needed first.</i>			X
M-14—Support County-wide initiatives identified in Volume 1. <i>Comment:</i>		X	
M-15—Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Volume <i>Comment:</i>		X	

6.9 HAZARD MITIGATION ACTION PLAN AND EVALUATION OF RECOMMENDED ACTIONS

Table 6-10 lists the actions that make up the City of Meridian’s hazard mitigation action plan. Table 6-11 identifies the priority for each action. Table 6-12 summarizes the mitigation actions by hazard of concern and the six mitigation types.

Table 6-10. Hazard Mitigation Action Plan Matrix

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
M-1—Conduct a survey of water, sewer, fire, and police infrastructure including power generation equipment, wastewater treatment plant facilities, communications, and Supervisory Control and Data Acquisition (SCADA) equipment to analyze vulnerability to severe weather and earthquake, then design and execute improvements to mitigate.						
Existing	Severe Storm, Earthquake	1,2,3,10	City (PW)	Medium	Enterprise, General Funds	Short Term
M-2—Become a “Firewise Community”						
New & Existing	Wildland Fire	2,4,5,6,8	City (Fire)	Low	General Fund	Long term
M-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include but are not limited to: enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.						
New & Existing	Flood	1,2,4,5,6,8	City (PW)	Low	General, Enterprise Funds	Ongoing
M-4—Maintain, and improve where beneficial, participation rating in the Community Rating System (CRS)						
New & Existing	Flood	1,2,4,5,6,7,8	City (PW)	Low	General, Enterprise Funds	Ongoing
M-5—Evaluate surface water protection program, including surface water restoration, stormwater management, capital improvement program integration, and potential regulatory and fee impacts.						
New & Existing	Flood, Severe Weather	1,2,3,10	City (PW)	High	Enterprise Fund	Short, Long Term
M-6—Partner with ACHD to implement a culvert replacement program for approximately 15 crossings of Fivemile, Ninemile, and Tenmile Creeks including design and construction.						
New & Existing	Flood, Severe Weather	1,2	City (PW, CD)	High	Multiple	Short, Long Term

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
M-7 —Partner with Idaho Transportation Department (ITD) to design and construct culvert improvements on Fivemile Creek at Eagle Rd and the I-84 / Eagle Road Interchange according to recommendations of “Fivemile Creek at Interstate 84—Eagle Road to Wells Street” Hydraulic Report, November 2008.						
Existing	Flood, Severe Weather	1,2	ITD*, City (PW, CD)	High	Multiple	Short, Long Term
M-8 —Assist local irrigation districts with vulnerability assessments on the Ridenbaugh and New York Canal systems in the Meridian Area of Impact.						
New & Existing	Flood, Earthquake	1,2,4,7,9,10	Local Irrigation	Medium	Multiple	Long Term
M-9 —Perform an assessment to determine housing areas that would benefit from foundation elevation projects; and where appropriate, support and assist in grant funding opportunities for retrofitting, purchase or relocation projects..						
Existing	Flood, Earthquake, Wildland Fire	3,8,9	City (PW)	High	Multiple	Long Term
M-10 —Integrate Multi-Hazard Mitigation Plan into the City of Meridian’s Comprehensive Plan.						
New & Existing	All Hazards	2, 5, 6	City (All)	Low	General Fund	Short Term
M-11 —Consider appropriate higher regulatory standards that prevent or reduce risk to the built environment from the known hazards of concern.						
New & Existing	All Hazards	4,6	City (All)	Low	General Fund	Long Term
M-12 —Support County-wide initiatives identified in Volume 1.						
New & Existing	All Hazards	All	City (All)	Low	General Fund	Ongoing
M-13 —Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Volume 1.						
New & Existing	All Hazards	All	Ada County, City (All)	Low	Multiple	Ongoing
M-14 —Provide fire safety, fire prevention and Firewise education to neighborhoods, schools and community via the internet, social media and direct public outreach.						
New and Existing	Wildfire	8,9	City, Meridian Fire, ACEM	Low	General Fund	Ongoing
M-15 —Whenever possible, coordinate with local experts and employ natural environmental processes in mitigation activities that increase ecosystem resilience and reduce the impacts of flooding on the built environment.						
New and Existing	Flood	2, 5, 9	City of Meridian	Medium	Local, Grants, Development Fees	Long term

Table 6-11. Mitigation Strategy Priority Schedule

Action #	# of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Implementation Priority ^a	Grant Priority ^a
M-1	4	High	Medium	Yes	Yes	Yes	High	Medium
M-2	5	High	Low	Yes	No	No	Medium	Low
M-3	6	High	Low	Yes	No	Yes	High	Low
M-4	7	High	Low	Yes	No	Yes	High	Low
M-5	4	High	High	Yes	No	No	Medium	Medium
M-6	2	High	High	Yes	Yes	No	Medium	Low
M-7	2	High	High	Yes	Yes	No	Medium	Low
M-8	6	High	Medium	Yes	Yes	No	Low	Low
M-9	3	High	High	Yes	Yes	Yes	Medium	Low
M-10	3	High	Low	Yes	No	Yes	High	Low
M-11	3	High	Low	Yes	No	No	High	Low
M-12	2	High	Low	Yes	No	Yes	High	Low
M-13	10	High	Low	Yes	Yes	Yes	High	Low
M-14	2	Medium	Low	Yes	No	Yes	High	Low
M-15	3	High	Medium	Yes	Yes	No	Medium	High

a. See the introduction to this volume for explanation of priorities.

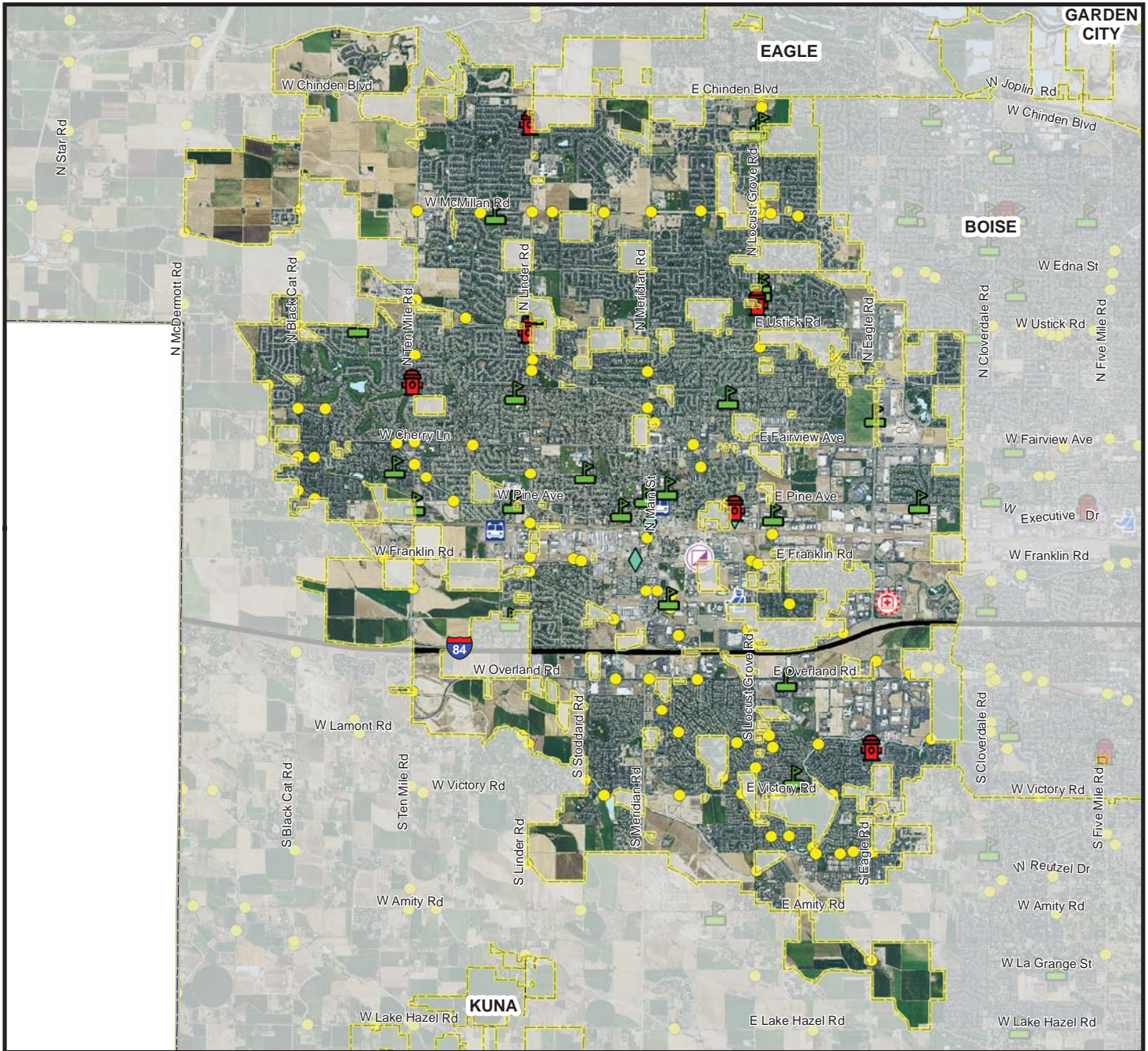
Table 6-12. Analysis of Mitigation Actions

Hazard Type	Action Addressing Hazard, by Mitigation Type ^a					
	1. Prevention	2. Property Protection	3. Public Education and Awareness	4. Natural Resource Protection	5. Emergency Services	6. Structural Projects
Dam Failure	N/A	N/A	N/A	N/A	N/A	N/A
Drought	M-10, M-11, M-13	M-9	M-12	M-10	M-12	
Earthquake	M-1, M-8, M-10, M-11, M-13	M-1, M-9	M-12	M-10	M-12	M-1
Flood	M-3, M-4, M-5, M-6, M-7, M-8, M-9, M-10, M-11, M-13, M-15	M-3, M-4, M-5, M-6, M-7, M-8, M-9, M-15	M-3, M-4, M-12	M-10, M-15	M-12	M-5, M-6, M-7, M-9
Landslide	M-10, M-11, M-13	M-9	M-12	M-10	M-12	
Severe Weather	M-1, M-5, M-10, M-11, M-13	M-1, M-9	M-12	M-10	M-12	M-1, M-5, M-6, M-7
Wildfire	M-2, M-10, M-11, M-13, M-14	M-2, M-9, M-14	M-2, M-12, M-14	M-10, M-14	M-12	










a. See the introduction to this volume for explanation of mitigation types.

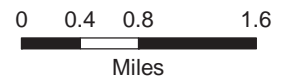
City of Meridian

Essential Facilities & Transportation Systems



Legend

-  Emergency Operation Centers
-  Fire Stations & EMS Facilities
-  Medical Care Facilities
-  Other Essential Facilities
-  Police Stations
-  Schools & Educational Facilities
-  Airport Facilities
-  Bus Facilities
-  Highway Bridges

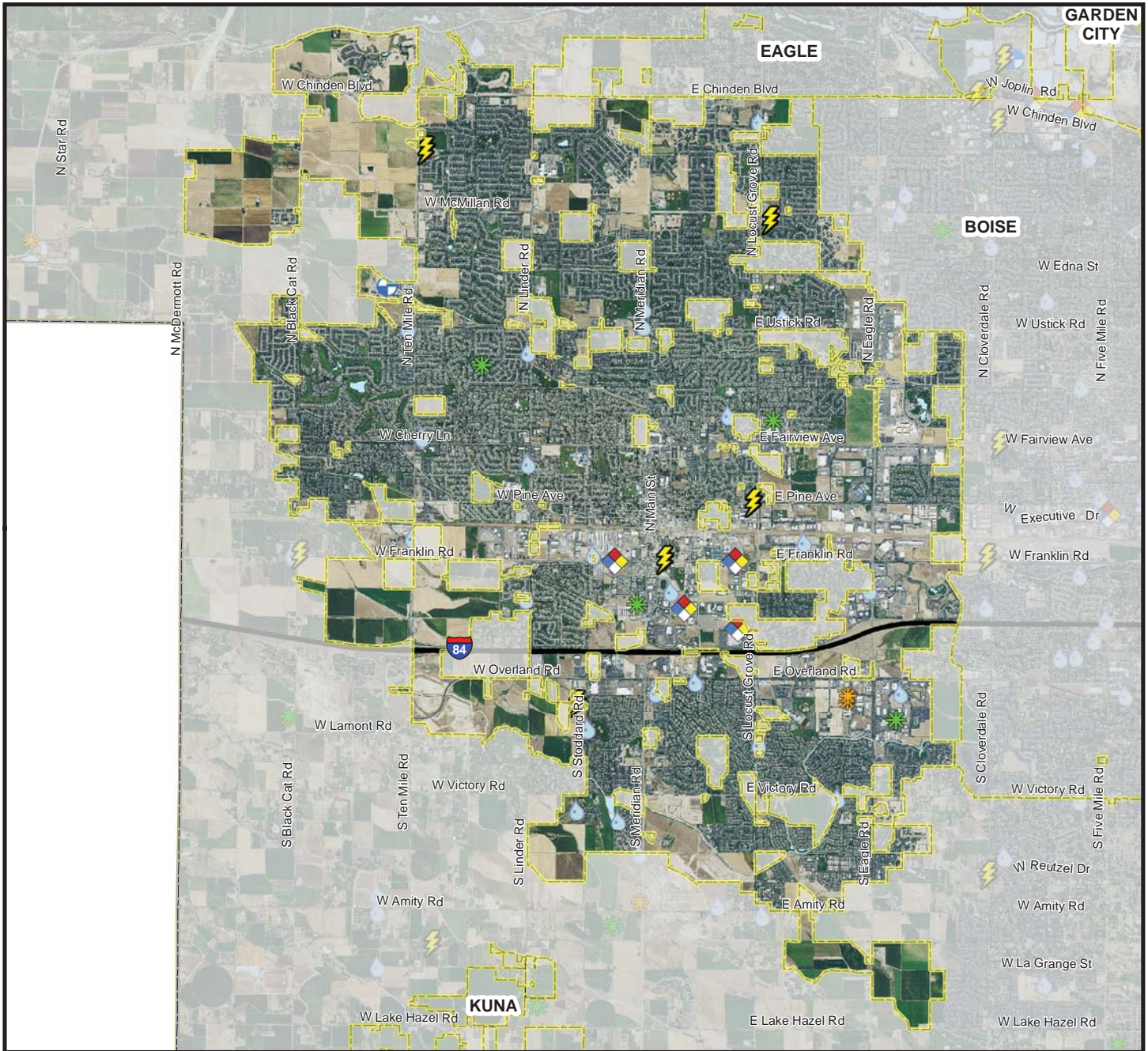


Data Sources: Ada County, U.S. Geological Survey, COMPASS, Idaho DHS








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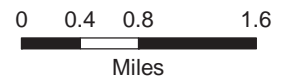
City of Meridian

Utilities & Infrastructure



Legend

-  Communication Facilities
-  Natural Gas Facilities
-  Dams
-  Potable Water Facilities
-  Electric Power Facilities
-  Wastewater Facilities
-  Hazardous Materials

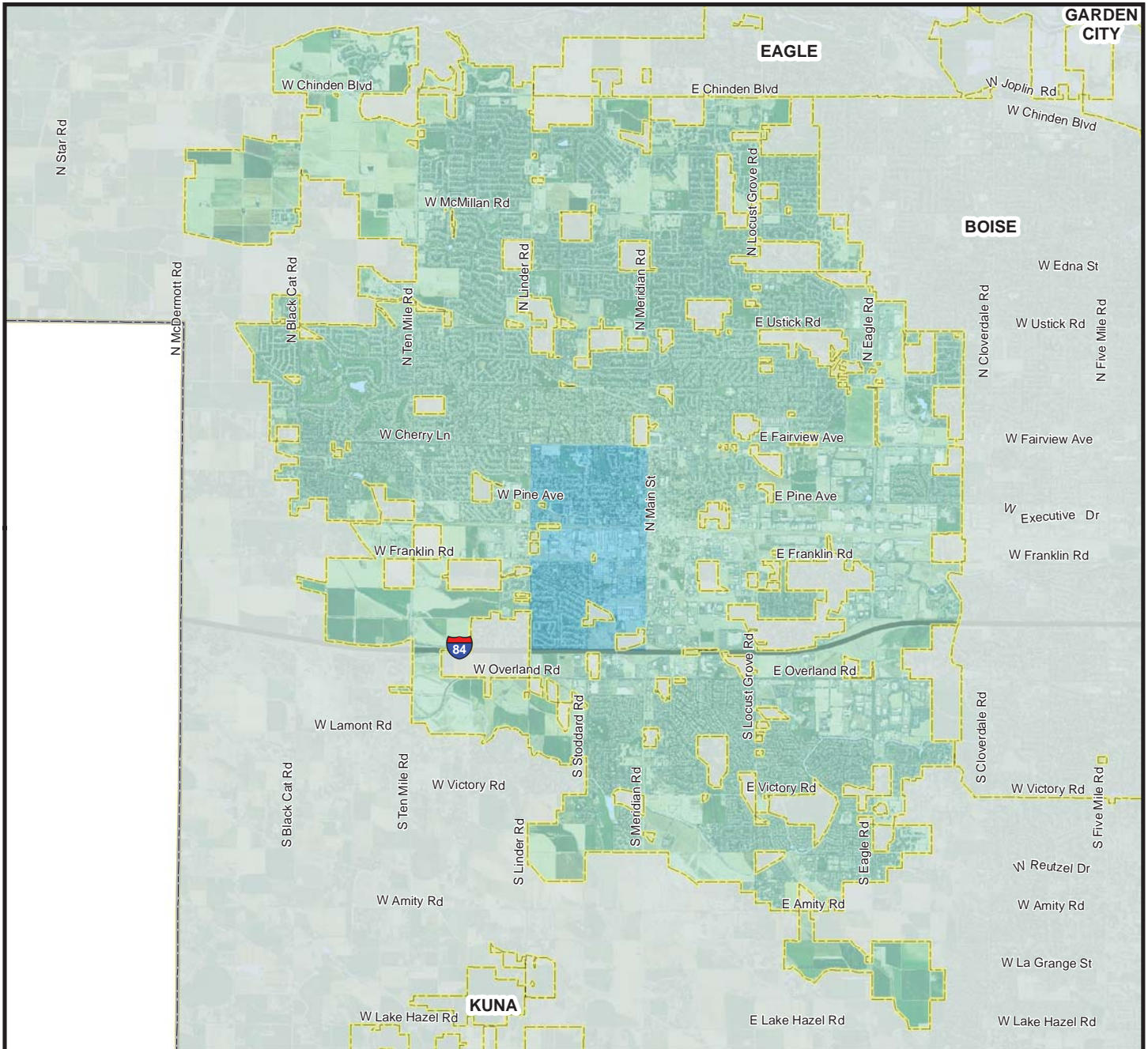


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City of Meridian

Peak Ground Acceleration for a 100-Year Probabilistic Event



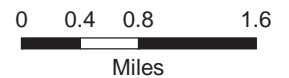
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 Ada County Boundary

Modified Mercalli Scale, Potential Shaking

 IV (Light)

 V (Moderate)

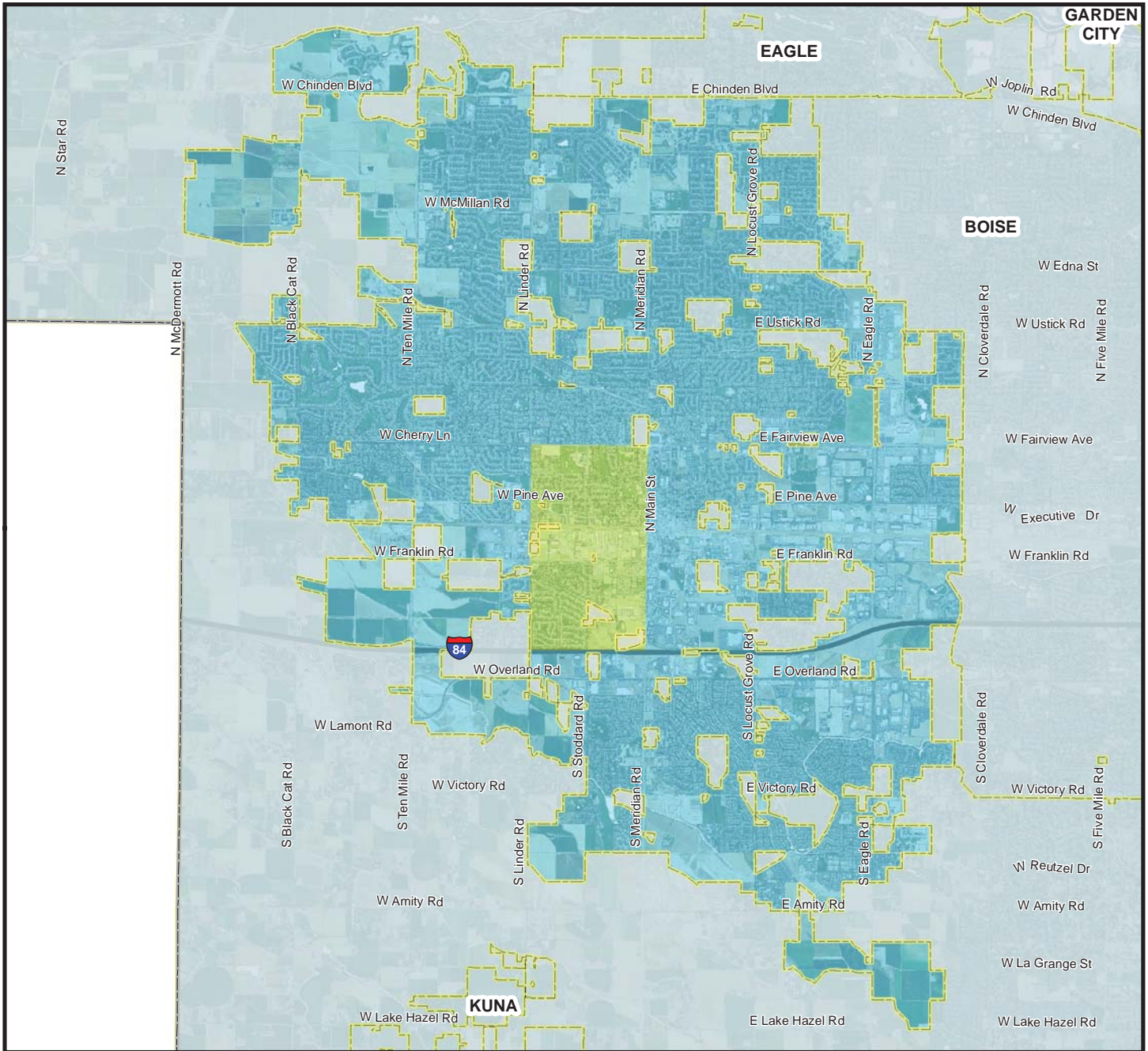


Data Sources: Ada County, U.S. Geological Survey, Hazus

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City of Meridian

Peak Ground Acceleration for a 500-Year Probabilistic Event



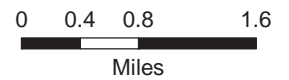
Legend

 Ada County Boundary

Modified Mercalli Scale, Potential Shaking

 V (Moderate)

 VI (Strong)

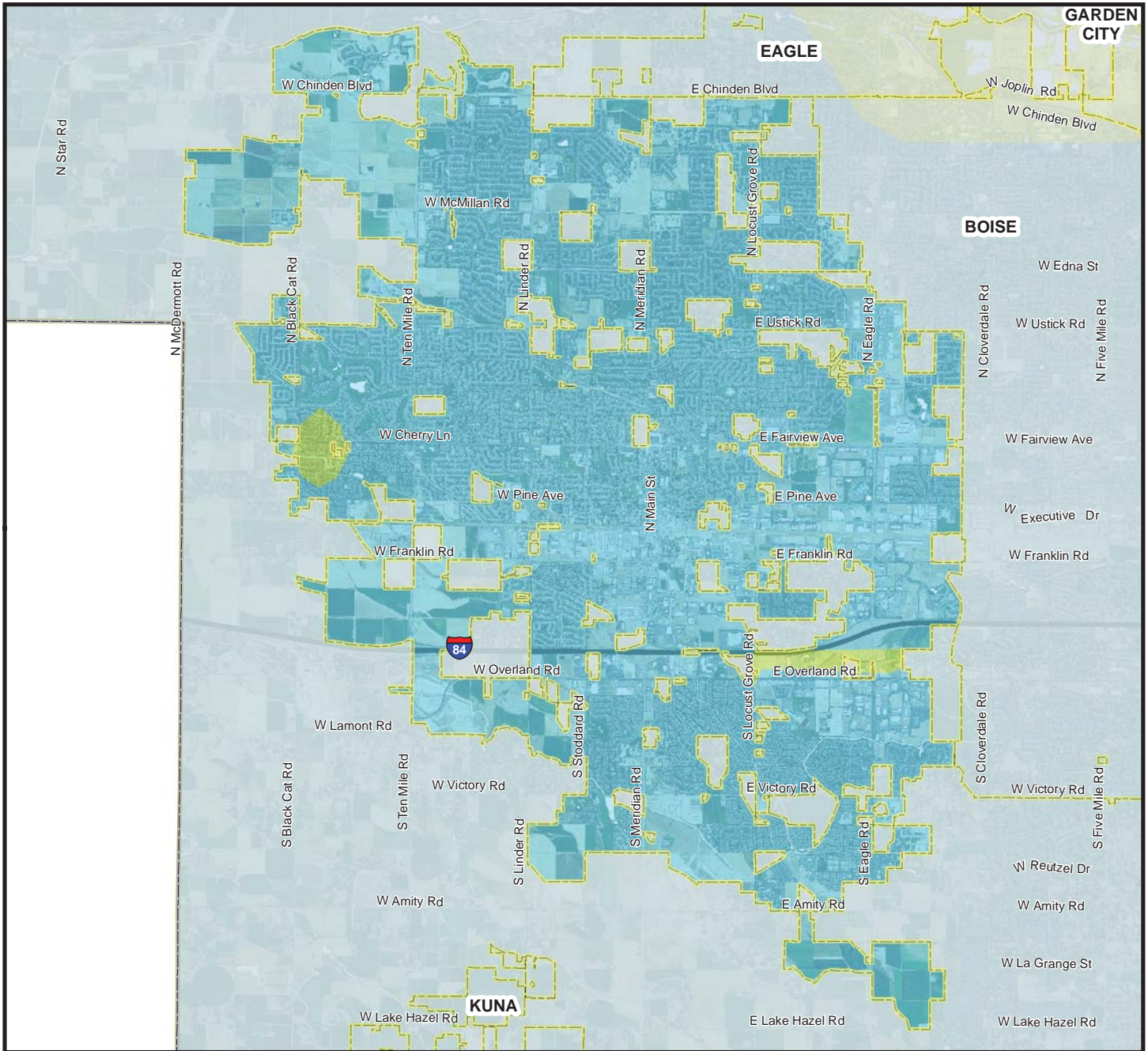


Data Sources: Ada County, U.S. Geological Survey, Hazus

Ada County does not warrant the accuracy, reliability or timeliness of any information on this map, and shall not be held liable for losses caused by using this information.

City of Meridian

Squaw Creek M7.0 Scenario Peak Ground Acceleration



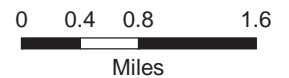
Legend

Ada County Boundary

Modified Mercalli Scale, Potential Shaking

V (Moderate)

VI (Strong)

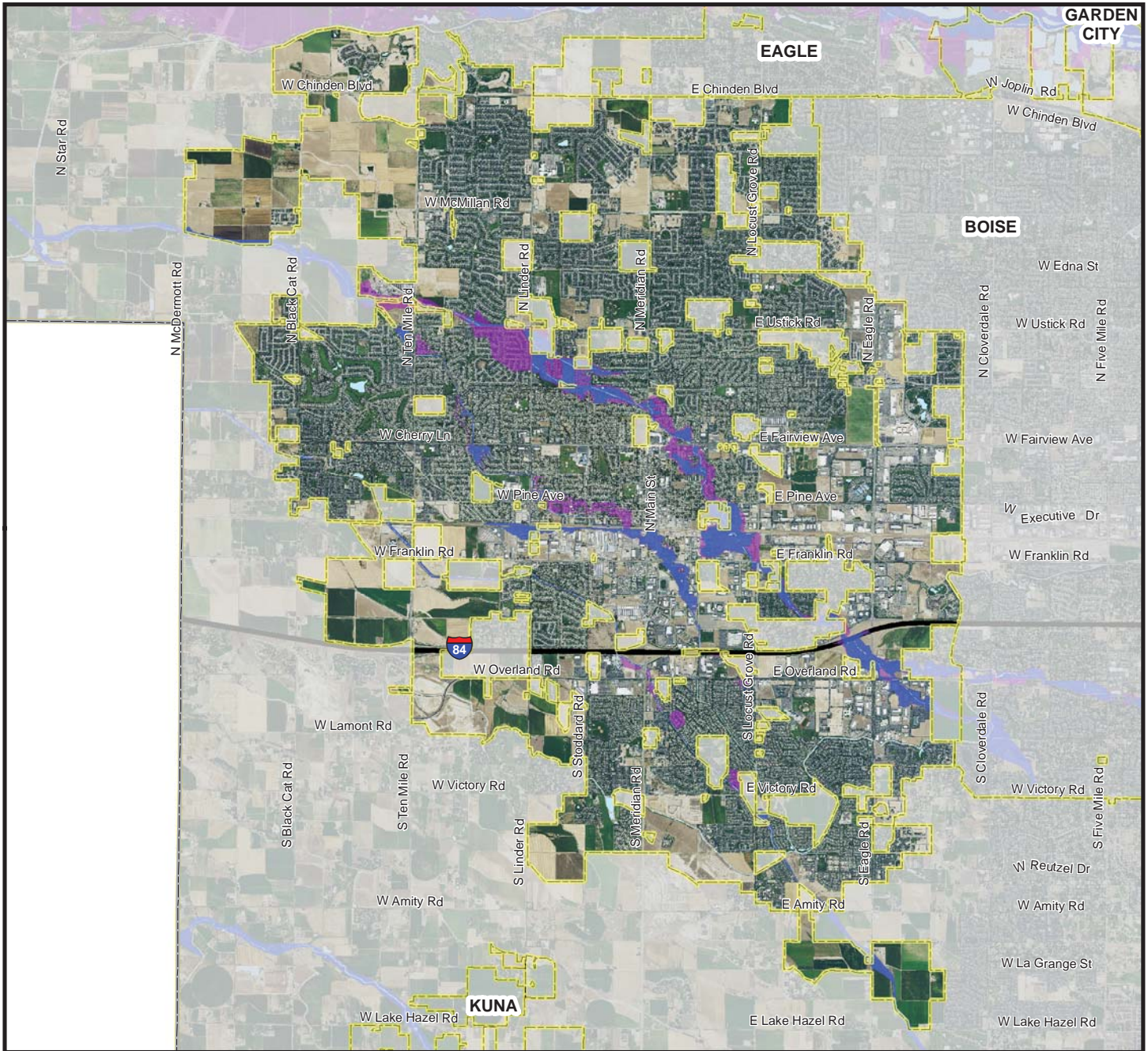


Data Sources: Ada County, U.S. Geological Survey





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City of Meridian

FEMA DFIRM Flood Hazard Zones



Legend

-  Ada County Boundary
-  Water Bodies
-  1% Annual Chance Flood Boundary (100 Year)
-  0.2% Annual Chance Flood Boundary (500 Year)

Flood Hazard Areas as depicted on FEMA Digital Insurance Rate Maps (DFIRM). This map is a combination of effective and preliminary DFIRM boundaries.

Data Sources: Ada County, U.S. Geological Survey, FEMA, USACE

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