

## 7. CITY OF STAR

---

### 7.1 MULTI-HAZARD MITIGATION PLAN POINT OF CONTACT

#### Primary Point of Contact

Chad Bell, Mayor  
10769 W. State Street  
Star, ID 83669  
Telephone: 208-908-5451  
E-mail Address: cbell@staridaho.org

#### Alternate Point of Contact

Cathy Ward, City Clerk  
10769 W. State Street  
Star, ID 83669  
Telephone: 208-908-5452  
E-mail Address: cward@staridaho.org

### 7.2 JURISDICTION PROFILE

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

- Date of Incorporation—Established December 22, 1864
- Current Population—Estimated 6,379 as of 2014 (U.S. Census American Community Survey 5-year estimates)
- Population Growth—Star has grown by 250% in the past 10 years.
- Location and Description—Located on Boise River 10 miles west of Boise
- Brief History - The first location of the village of Star is approximately one mile to the east of the present City of Star; approximately halfway between the present town of Star and Star Emmett junction. The first schoolhouse was built there in the 1870s on land donated by B.F. Swalley. When the settlers finished building the schoolhouse, they could not decide on a name for the building. One of the men carved out a star and nailed it to the front door; pounding nails all around the edge of the star. This became an important landmark for miles around and was a guide for travelers and miners. When the visitors came to the schoolhouse with the star on the door, they could travel west one mile and find board and lodging for the night. So in time, the town became known as Star. In 1905, Star incorporated and established City limits reaching four miles in all directions. During the early part of the 20th century the town flourished with places growing rapidly and merchants doing good business. The town had a mayor, marshal, constable, and justice of the peace. The jail was a frame building located just east of the Odd fellows Lodge Hall. By the time the new interurban arrived, at least twenty new buildings had been erected. Rapid growth came with the confidence of the Boise Interurban Railway. Growth continued in 1909 with at least 30 new buildings erected. In the early 1900s, Main Street periodically served as a race track. Horse races were a big event with most everyone and often followed by a baseball game. Impromptu races down Main Street were not limited to specific holidays but could arise from on-the-spot challenges. Other activities included a weekly debating society where issues of the day such as railroads, Sunday laws, and women’s rights were discussed. Also, there was a literary society, Star School sporting events, and skating rink. An evening outing for a party of young people included chartering a trolley excursion to Boise and back. Star Trading Days were stock sales held every third Saturday of each month.

- **Climate**—The City of Star is located approximately 2,467-feet above sea-level and enjoys a mild climate. Star has an annual average precipitation of 11.76-inches. Most of the precipitation occurs between the months of November to May. The average annual snowfall is 9.7-inches, with killing frosts as early as December and as late as February. There are approximately 212-frost free days in Star from December to March. This allows for a relatively long growing season. Winters in Star, though cold, are generally not severe. Summer days are hot, while nights are relatively cool. The average maximum temperature is 62.9-degrees Fahrenheit and the average minimum temperature is 39.5-degrees Fahrenheit. Northwesterly winds prevail with intermittent southeasterly winds in winter and spring. The climate is favorable for many agricultural pursuits in the area. The current crops in the area vary widely from wheat, oats, corn, beans, mint, hay, pasture, alfalfa and clover seed, to sugar beets, potatoes, and many specialty seed crops.
- **Governing Body Format**—Strong Mayor form of Municipal Government with four (4) council members. The Council assumes responsibility for the adoption of this plan, and is responsible for its implementation.
- **Development Trends—Current Land Use Patterns**
  - **Residential Land Uses—Rural-Urban Interface Issues**—Citizens of the Treasure Valley and beyond have been moving to the City of Star and surrounding area. Land, which was part of the Area of City Impact of Star, has been purchased and entitlements have been received for residential development. There are concerns of the farming and the former farming community that they are losing the quaint small rural City. It is recognized that the City of Star is going through a transition, where the rural community is interfacing the urban community.
  - **Existing Residential Development**—Residential land use patterns in the City limits include existing parcels of 1 to 5- acres, single family subdivisions, Planned Unit Development and Master Planned Communities. Housing types include, attached and detached single family dwelling units, patio homes and multi-family dwelling units.
  - **Civic Land Uses**—The Star City hall houses all City offices. The Star Library, which is managed by the Ada County Library District, the Star Water and Sewer District and the Star Fire District Station are located in the Central Business District on Highway 44. The Star Senior Center is located at 102 Main Street.
  - **Open Spaces**—The most important amenity is the Boise River which is located one mile south of Highway 44. It is available for fishing, hiking and viewing of wildlife. Currently, a greenbelt does not exist, but the City has approximately 20-acres along the river for recreation development. Blake Haven Park is located on Star Road across from Star Elementary School. Some of the new subdivisions have developed open space for their residents, but they are not public facilities.
  - **Commercial**—Commercial land uses are generally located along Highway 44 and Star Road. A range of professional offices, retail, restaurant and other services are located along these corridors. There are a number of home occupations in Star, but the actual numbers have not been identified.
  - **Industrial and High Technical Land Uses**—Industrial manufacturing or high-tech land uses are currently absent in Star.

## 7.3 CAPABILITY ASSESSMENT

An assessment of legal and regulatory capabilities is presented in Table 7-1. An assessment of fiscal capabilities is presented in Table 7-2. An assessment of administrative and technical capabilities is presented in Table 7-3. Information on National Flood Insurance Program (NFIP) compliance is presented in Table 7-4. Classifications under various community mitigation programs are presented in Table 7-5. An assessment of education and outreach capabilities is presented in Table 7-6.

**Table 7-1. Legal and Regulatory Capability**

	Local Authority	Other Jurisdiction Authority	State Mandated
Building Code <i>Comment</i> : Title 7.1, Star City Code; Local Land Use Planning Act, Idaho Code 67-6508	Yes	No	Yes
Zoning Code <i>Comment</i> : Title 8, Star City Code; Local Land Use Planning Act, Idaho Code 67-6508	Yes	No	No
Subdivisions <i>Comment</i> : Title 8.6, Star City Code; Local Land Use Planning Act, Idaho Code 67-6508	Yes	No	No
Stormwater Management <i>Comment</i> : Title 8.4, Star City Code: Local Land Use Planning Act, Idaho Code 67-6508	Yes	No	Yes
Post-Disaster Recovery	No	No	No
Real Estate Disclosure	No	No	No
Growth Management <i>Comment</i> : Ada County Comprehensive Plan, adopted 11/26/2007; Ada Co. Zoning ordinance-Title 8, ACC, adopted 12/8/2010	No	Yes	No
Site Plan Review <i>Comment</i> : Title 8, Chapter 4-ACC adopted: 12/8/2010	Yes	No	No
Environmental Protection <i>Comment</i> : Titles 3, 5, 7, 8, 10, Star City Code; Local Land Use Planning Act, Idaho Code 67-6508	Yes	No	No
Flood Damage Prevention <i>Comment</i> : Title 10, Star City Code; Local Land Use Planning Act, Idaho Code 67-6508	Yes	No	No
Emergency Management <i>Comment</i> : Ada County Emergency Management Plan	No	Yes	No
Climate Change	No	No	No
General or Comprehensive Plan <i>Is the plan equipped to provide linkage to this mitigation plan? Yes</i> <i>Comment</i> : Comprehensive Plan, 2008	Yes	No	No
Capital Improvement Plan <i>What types of capital facilities does the plan address? N/A</i> <i>How often is the plan updated? N/A</i> <i>Comment</i> : The City does not have a Capital Improvement Plan	No	No	No
Floodplain or Watershed Plan <i>Comment</i> : Title 10, Star City Code, 2008 Comprehensive Plan, required under Local Land Use Planning Act, Idaho Code 67-6508. Note: once complete, the Ada County All Hazards Mitigation Plan-update will become the floodplain management plan of record for all communities within the planning area that participate in the CRS program.	Yes	No	No
Stormwater Plan <i>Comment</i> : Star City complies with the requirements as per EPA requirements in NPDES, and IDWR requirements. ACHD holds NPDES Permit. City is responsible for Stormwater Pollution Prevention associated with City Projects.	Yes	No	No
Habitat Conservation Plan	No	No	No
Economic Development Plan <i>Comment</i> : 2008 Comprehensive Plan	Yes	No	No

	Local Authority	Other Jurisdiction Authority	State Mandated
Shoreline Management Plan	N/A	No	No
Community Wildfire Protection Plan <i>Comment: Wildfire Response Plan, updated May 2014</i>	Yes	No	No
Forest Management Plan	No	No	No
Climate Action Plan	No	No	No
Other <i>Comment:</i> ACEM Ada County Flood Response Plan. Adopted: January, 2006 Ada County Mass Casualty Incident Plan. Adopted: 12/16/2010 Ada County HAZMAT Response Plan. Adopted: April 2011 Ada County Wildfire Response Plan. Adopted: May 2010	Yes	No	No
Comprehensive Emergency Management Plan	No	No	No
Threat & Hazard Identification & Risk Assessment	No	No	No
Post-Disaster Recovery Plan	No	No	No
Continuity of Operations Plan	No	No	No
Public Health Plan <i>Comment: Central District Health Department Emergency Operations Plan, 2013</i>	No	Yes	No

Table 7-2. 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	No
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
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 7-3. Administrative and Technical Capability**

Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Public Works, Economic Development, Planning
Engineers or professionals trained in building or infrastructure construction practices	Yes	Public Works, Planning
Planners or engineers with an understanding of natural hazards	Yes	Planning, Public Works
Staff with training in benefit/cost analysis	Yes	Can contract with County
Surveyors	Yes	Public Works, Planning
Staff capable of making substantial damage estimates	Yes	Can contract with County
Personnel skilled or trained in GIS applications	Yes	Can contract with County
Scientist familiar with natural hazards in local area	Yes	Can contract with County
Emergency manager	Yes	Ada County Emergency Management
Grant writers	Yes	Can contract with County

**Table 7-4. National Flood Insurance Program Compliance**

Criteria	Response
When did the community enter the NFIP?	12/18/84
When did the Flood Insurance Rate maps become effective (current)?	5/5/11
What local department is responsible for floodplain management?	Planning
Who is your floodplain administrator? (department/position)	Planning / City Clerk
<ul style="list-style-type: none"> <li>Is this a primary or auxiliary role?</li> </ul>	Auxiliary
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	5/19/11
<ul style="list-style-type: none"> <li>Does your floodplain management program meet or exceed minimum requirements?</li> <li>If so, in what ways?</li> </ul>	Meet
When was the most recent Community Assistance Visit or Community Assistance Contact?	CAV 1/24/2007, CAC 4/10/2008
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed?	No
<ul style="list-style-type: none"> <li>If so, please state what they are.</li> </ul>	
Do your flood hazard maps adequately address the flood risk within your jurisdiction?	Yes
<ul style="list-style-type: none"> <li>If no, please state why.</li> </ul>	
Does your floodplain management staff need any assistance or training to support its floodplain management program?	Yes
<ul style="list-style-type: none"> <li>If so, what type of assistance/training is needed?</li> </ul>	General floodplain management training.
Does your jurisdiction participate in the Community Rating System (CRS)?	No
<ul style="list-style-type: none"> <li>If so, is your jurisdiction seeking to improve its CRS Classification?</li> </ul>	
How many Flood Insurance policies are in force in your jurisdiction?	31
<ul style="list-style-type: none"> <li>What is the insurance in force?</li> <li>What is the premium in force?</li> </ul>	\$6,353,200.00 \$29,871.00
How many total loss claims have been filed in your jurisdiction?	None
<ul style="list-style-type: none"> <li>How many claims were closed without payment/are still open?</li> <li>What were the total payments for losses?</li> </ul>	N/A N/A

**Table 7-5. Community Classifications**

	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	No	10/10	N/A
Public Protection	Yes	4/9	N/A
Storm Ready	Yes	Blue	N/A
Firewise	No	N/A	N/A

**Table 7-6. Education and Outreach**

Criteria	Response
Do you have a Public Information Officer or Communications Office?	Yes
Do you have personnel skilled or trained in website development?	Yes
Do you have hazard mitigation information available on your website? • If yes, please briefly describe.	No
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.	No
Do you have any established warning systems for hazard events? • If yes, please briefly describe.	Yes Code Red/ISAWS – residents may sign up to receive emergency notifications and critical community alerts. Both systems are IPAWS enabled and may additionally access that integrated system for public warnings.

## 7.4 INTEGRATION WITH OTHER PLANNING INITIATIVES

The following describe the jurisdiction’s process for integrating the Multi-Hazard Mitigation Plan into local planning mechanisms.

### 7.4.1 Existing Integration

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

- City of Star Comprehensive Plan—The 2008 Comprehensive Plan includes mitigation related policies as they relate to the protection of human life and property from natural hazard events.
- Star City Code—The city code defines construction regulations for areas of the City within a floodplain.
- Ada County Comprehensive Plan—The Comprehensive Plan for Ada County currently includes mitigation related policies as they relate 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.
- Ada County Wildfire Response Plan—The Wildfire Response Plan for Ada County includes procedures that will mitigate risk to human life and property from a wildfire.

## 7.4.2 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:

- Star City, Star Sewer & Water District, and Star Joint Fire Protection District Joint Emergency Operation Plan (EOP)—This joint plan has not been developed, but the Multi-Hazard Mitigation Plan will be significantly affected when an EOP is developed.
- City of Star Continuity of Operation Plan (COOP)—This plan has not been developed, but the Multi-Hazard Mitigation Plan will be significantly affected when a COOP is developed.

## 7.5 JURISDICTION-SPECIFIC NATURAL HAZARD EVENT HISTORY

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

Type of Event	FEMA Disaster #	Date	Preliminary Damage Assessment
Severe wind	N/A	3/29/2009	\$33,000 (county wide)
Severe wind	N/A	4/27/1995	\$50,000 (county wide)
Borah Peak M7.3 Earthquake	N/A	1988	-
Flooding	N/A	6/1983	\$147,000 (county wide)
Hebgen Lake M7.5 earthquake	N/A	1959	-
Flooding	N/A	1943	Unknown

## 7.6 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: N/A

Other noted vulnerabilities include:

- County levee along Boise River in Star area is not functional or maintained.

## 7.7 HAZARD RISK RANKING

Table 7-8 presents the ranking of the hazards of concern.

**Table 7-8. Hazard Risk Ranking**

Rank	Hazard Type	Risk Rating Score (Probability x Impact)	Category
1	Flood	33	High
2	Severe Weather	33	High
3	Earthquake	32	High
4	Dam Inundation	18	Medium
5	Wildfire	18	Medium
6	Landslide	12	Low
7	Drought	9	Low
8	Volcano	6	Low

## 7.8 STATUS OF PREVIOUS PLAN INITIATIVES

Table 7-9 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 7-9. Status of Previous Action Plan**

Action Item	Completed	Carry Over to Plan Update	Removed; No Longer Feasible
S-1—Consider participation in the Community Rating System <i>Comment:</i> Currently participating, but will continue to participate.		X	
S-2—Integrate Multi-Hazard Mitigation Plan into the City of Star Comprehensive Plan <i>Comment:</i>		X	
S-3—Consider appropriate higher regulatory standards that prevent or reduce risk to the built environment from the known hazards of concern. <i>Comment:</i>		X	
S-4—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:</i> Star will coordinate with Ada County in its upcoming property identification mapping efforts.		X	
S-5—Support County-wide initiatives identified in Volume 1. <i>Comment:</i>		X	
S-6—Continue to support the implementation, monitoring, maintenance, and updating of this plan, as defined in Volume 1. <i>Comment:</i>		X	
S-7—Evaluate riverbank integrity of the Boise River in the areas of interface with buildings and infrastructure. Determine and employ the best methodology to either repair damaged areas or harden other areas that may directly threaten buildings or infrastructure during high flow events. <i>Comment:</i> Bank repairs were made in May of 2012 in Ada County to stop flooding from a river breach into an irrigation canal that was forced beyond capacity which then threatened properties in Star.		X	

## 7.9 HAZARD MITIGATION ACTION PLAN AND EVALUATION OF RECOMMENDED ACTIONS

Table 7-10 lists the actions that make up the City of Star hazard mitigation action plan. Table 7-11 identifies the priority for each action. Table 7-12 summarizes the mitigation actions by hazard of concern and the six mitigation types.



**Table 7-10. Hazard Mitigation Action Plan Matrix**

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
<b>S-1—Consider participation in the Community Rating System</b>						
New and Existing	Flood	1, 2, 4, 5, 6, 7, 8, 9	City	Low	General Fund, Surface Water Utility Fund	Short-term
<b>S-2—Integrate Multi-Hazard Mitigation Plan into City of Star Comprehensive Plan</b>						
New and Existing	All Hazards	2, 5, 6	Star Planning Department	Low	General Fund	Short-term
<b>S-3—Consider appropriate higher regulatory standards that prevent or reduce risk to the built environment from the known hazards of concern.</b>						
New and Existing	All Hazards	4, 6	Star Planning and Zoning	Low	General Fund	Long-term
<b>S-4—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.</b>						
Existing	All Hazards	3, 8, 9	Star Building Department	High	HMGP, property owners, City funds	Long-term
<b>S-5—Evaluate riverbank integrity of the Boise River in the areas of interface with buildings and infrastructure. Determine and employ the best methodology to either repair damaged areas or harden other areas that may directly threaten buildings or infrastructure during high flow events.</b>						
New and Existing	Flood, Severe Weather, Dam Failure	1, 2, 9, 10	City	Medium	HMGP, CIP funding	Long-term
<b>S-6—Develop a Joint Emergency Operation Plan with Star City and Star Joint Fire Protection District: This plan is necessary to establish a single, comprehensive framework for the management of domestic incidents. The City of Star will lead this all-discipline action, but Star Sewer &amp; Water District will aid in planning for all hazards.</b>						
New and Existing	All Hazards	All	Star City	Medium	City Funds, District Funds, HMGP	Short-term
<b>S-7—Develop a Continuity of Operation Plan: This plan will provide specific policies and procedures that will be carried out in the event of an emergency, including localized acts of nature, accidents, and technological or attack-related emergencies. The plan will address how the District will continue to perform essential functions in the event of compromised facilities or leadership, and how the District will return to normal operations.</b>						
New and Existing	All Hazards	All	District	Medium	District Funds, HMGP	Short-term
<b>S-8—Support County-wide Initiatives Identified in Volume 1 of the Multi-Hazard Mitigation Plan</b>						
New and Existing	All Hazards	All	Ada County	Low	All county districts and municipalities, HMGP	Short-term
<b>S-9—Actively Participate in the Plan Maintenance Protocols Outlines in Volume 1 of the Multi-Hazard Mitigation Plan</b>						
New and Existing	All Hazards	All	Ada County	Low	All county districts and municipalities, HMGP	Short-term
<b>S-10—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.</b>						
New & Existing	Flood	1,2,4,5,6,8	Planning	Low	General Fung	Ongoing
<b>S11—Provide fire safety, fire prevention and Firewise education to neighborhoods, schools and community via the internet, social media and direct public outreach.</b>						
New and Existing	Wildfire	8, 9	City, Star Fire, ACEM	Low	General Fund	Ongoing

**Table 7-11. 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 <sup>a</sup>	Grant Priority <sup>a</sup>
S-1	8	High	Low	Yes	No	Yes	High	Low
S-2	3	High	Low	Yes	No	Yes	High	Low
S-3	3	High	Low	Yes	No	Yes	Medium	Low
S-4	3	High	High	Yes	Yes	No	Medium	High
S-5	4	High	High	Yes	Yes	No	Medium	High
S-6	10	Medium	Medium	Yes	Yes	No	Medium	Medium
S-7	10	Medium	Medium	Yes	Yes	No	Medium	Medium
S-8	10	Low	Low	Yes	No	Yes	High	Low
S-9	10	Low	Low	Yes	No	Yes	High	Low
S-10	6	Medium	Low	Yes	No	Yes	High	Low
S-11	2	Medium	Low	Yes	No	Yes	High	Low

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

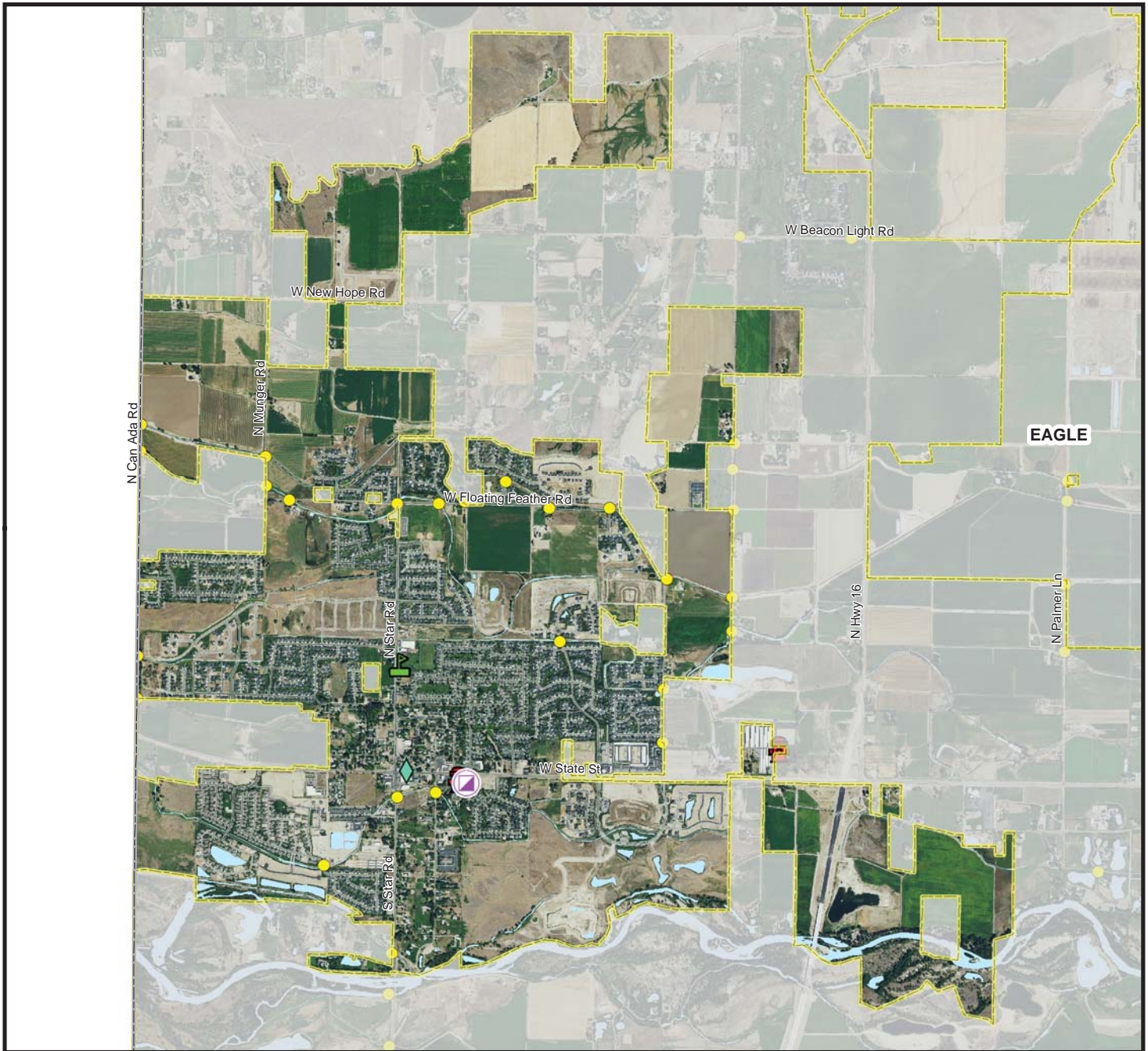
**Table 7-12. Analysis of Mitigation Actions**

Hazard Type	Action Addressing Hazard, by Mitigation Type <sup>a</sup>					
	1. Prevention	2. Property Protection	3. Public Education and Awareness	4. Natural Resource Protection	5. Emergency Services	6. Structural Projects
Flood	S-2, S-3, S-4, S-5, S-8, S-9, S-10	S-2, S-3, S-4, S-5, S-10	S-1, S-2, S-3, S-6, S-7, S-8, S-9, S-10	S-2, S-3, S-4, S-5, S-10	S-2, S-3, S-4, S-5, S-6, S-7	S-4, S-5
Wildfire	S-2, S-3, S-8, S-9, S-11	S-2, S-3, S-4, S-11	S-1, S-2, S-3, S-6, S-7, S-8, S-9, S-11	S-2, S-3, S-11	S-2, S-3, S-4, S-5, S-6, S-7	S-4, S-5
Severe Weather	S-2, S-3, S-4, S-5, S-8, S-9	S-2, S-3, S-4, S-5	S-1, S-2, S-3, S-6, S-7, S-8, S-9	S-2, S-3, S-4, S-5	S-2, S-3, S-4, S-5, S-6, S-7	S-4, S-5
Earthquake	S-2, S-3, S-4, S-8, S-9	S-2, S-3, S-4	S-1, S-2, S-3, S-6, S-7, S-8, S-9	S-2, S-3, S-4	S-2, S-3, S-4, S-5, S-6, S-7	S-4, S-5
Dam Inundation	S-2, S-3, S-4, S-5, S-8, S-9	S-2, S-3, S-4, S-5	S-1, S-2, S-3, S-6, S-7, S-8, S-9	S-2, S-3, S-4, S-5	S-2, S-3, S-4, S-5, S-6, S-7	S-4, S-5
Landslide	S-2, S-3, S-4, S-5, S-8, S-9	S-2, S-3, S-4	S-1, S-2, S-3, S-6, S-7, S-8, S-9	S-2, S-3, S-4	S-2, S-3, S-4, S-5, S-6, S-7	S-4, S-5
Drought	S-2, S-3, S-8, S-9	S-2, S-3, S-4	S-1, S-2, S-3, S-6, S-7, S-8, S-9	S-2, S-3, S-4	S-2, S-3, S-4, S-5, S-6, S-7	S-4, S-5
Volcano	S-2, S-3, S-8, S-5, S-9	S-2, S-3, S-4	S-1, S-2, S-3, S-6, S-7, S-8, S-9	S-2, S-3, S-4	S-2, S-3, S-4, S-5, S-6, S-7	S-4, S-5










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

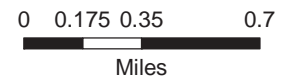
# City of Star

## 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



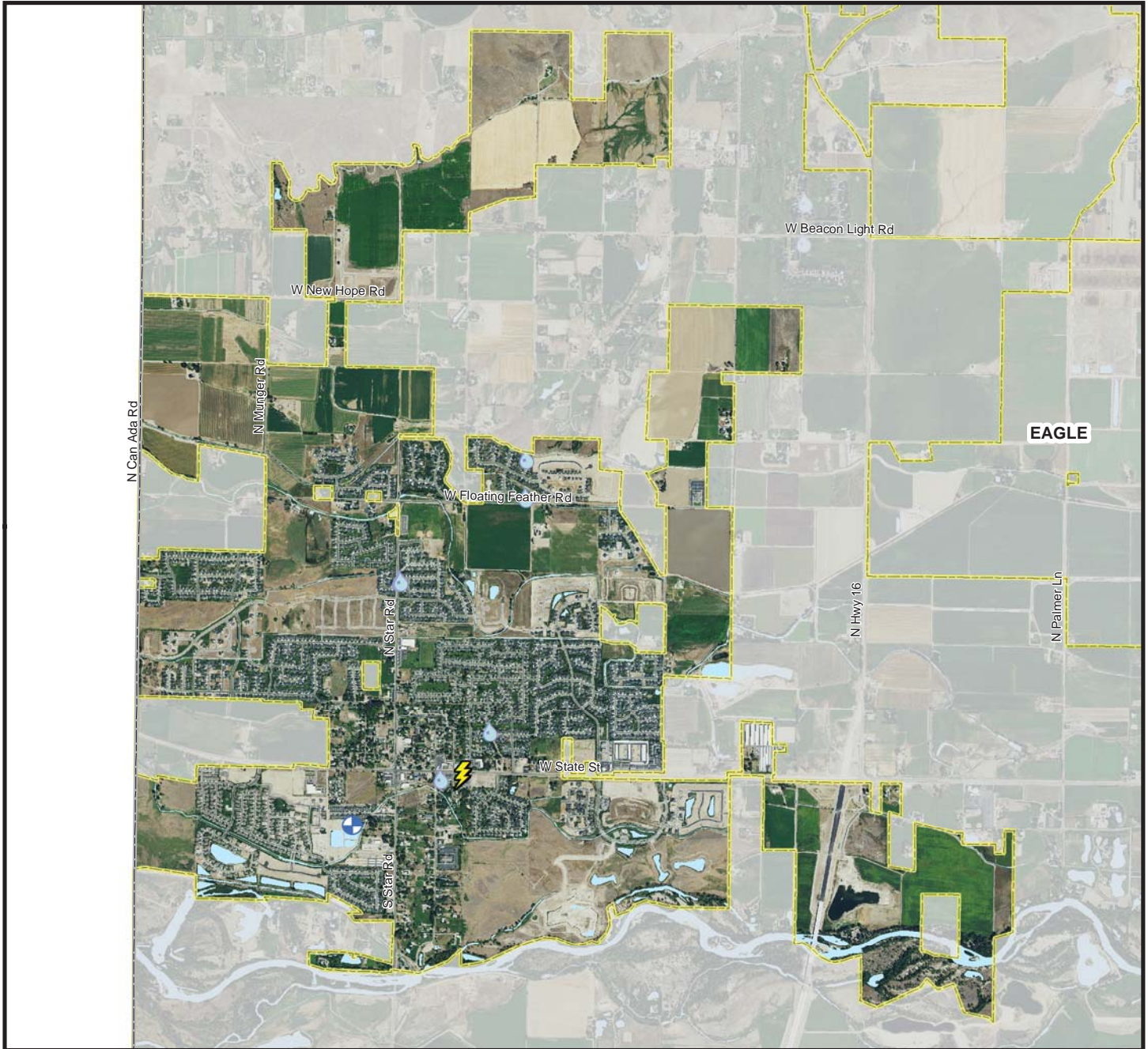
Data Sources: Ada County, U.S. Geological Survey, COMPASS, Idaho DHS

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.










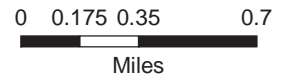
# City of Star

## Utilities & Infrastructure



### Legend

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

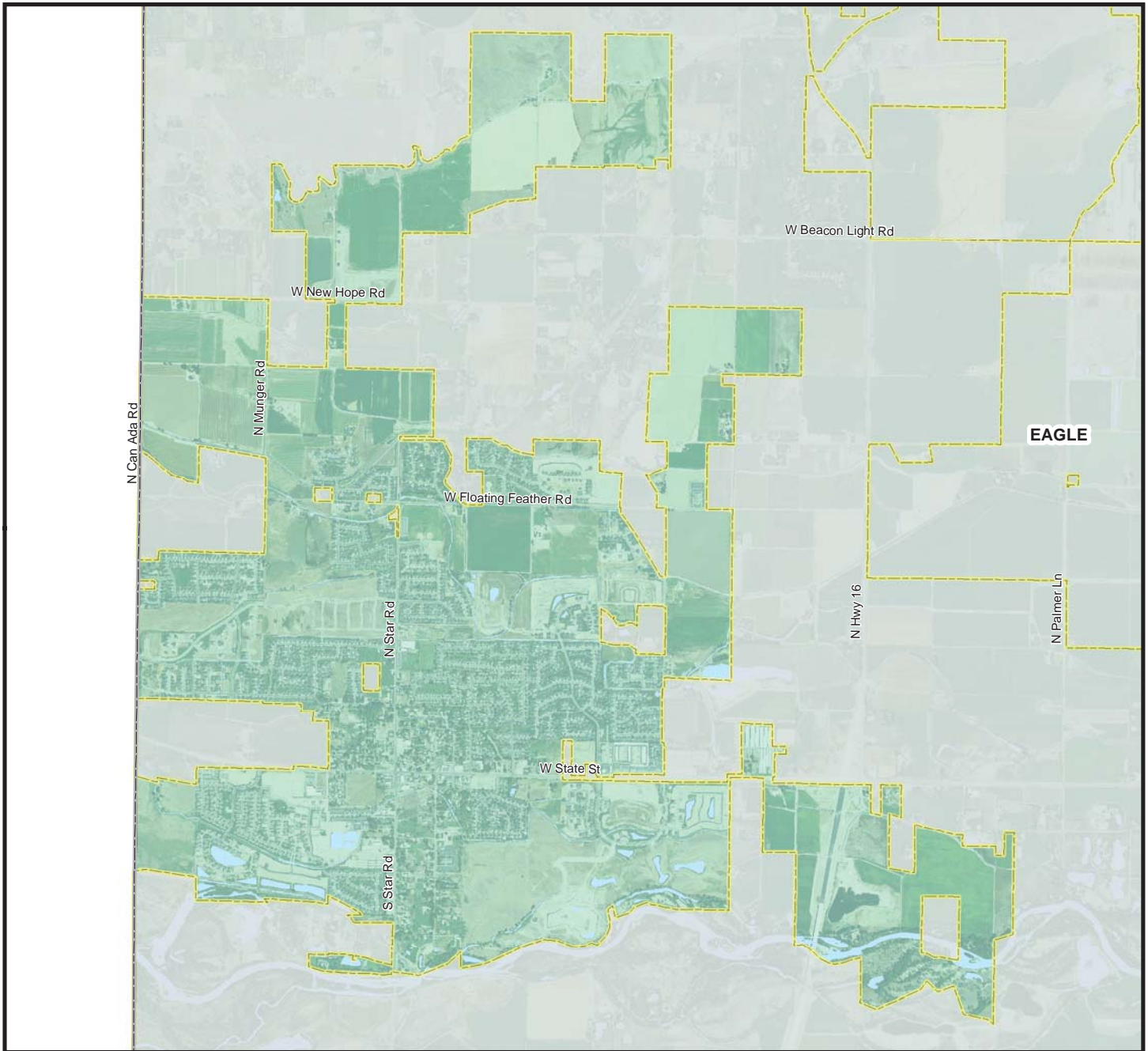


Data Sources: Ada County, U.S. Geological Survey, COMPASS, Idaho DHS

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 Star

## Peak Ground Acceleration for a 100-Year Probabilistic Event

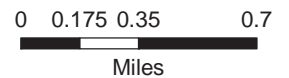


### Legend

 Ada County Boundary

### Modified Mercalli Scale, Potential Shaking

 IV (Light)



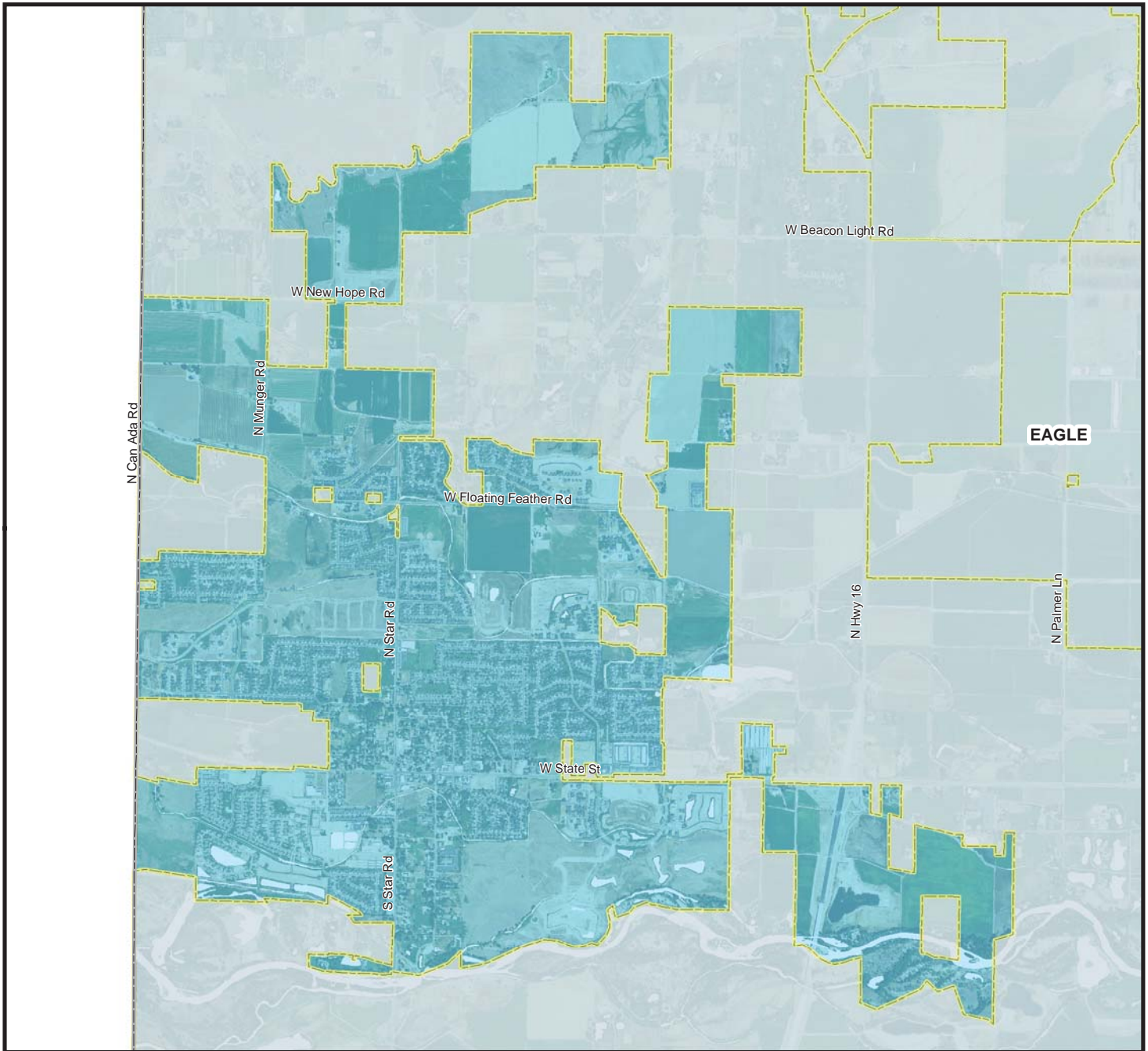
Data Sources: Ada County, U.S. Geological Survey, Hazus

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 Star

## Peak Ground Acceleration for a 500-Year Probabilistic Event

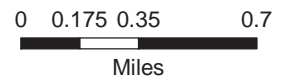


### Legend

 Ada County Boundary

### Modified Mercalli Scale, Potential Shaking

 V (Moderate)

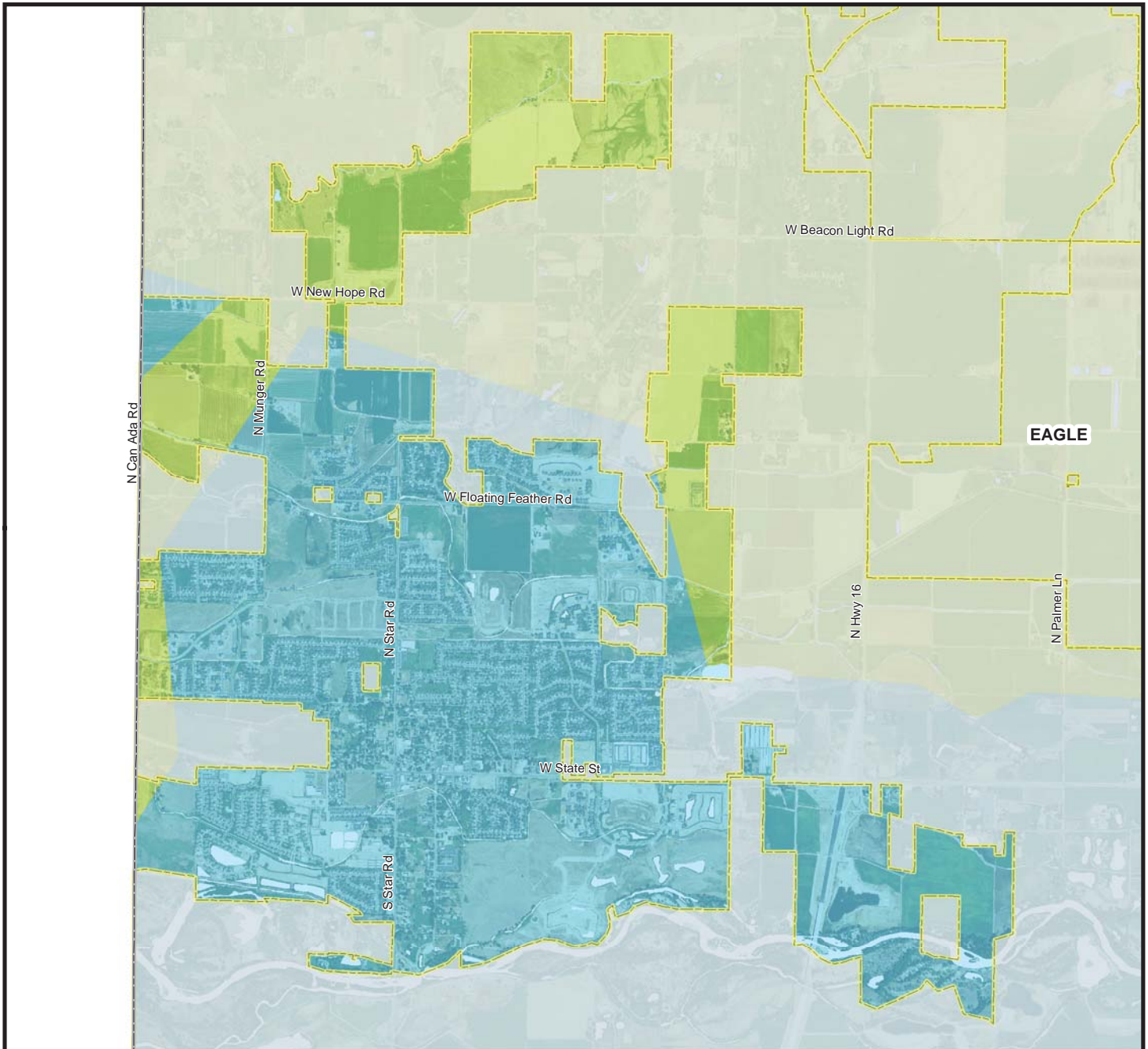


Data Sources: Ada County, U.S. Geological Survey, Hazus

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 Star

## Squaw Creek M7.0 Scenario Peak Ground Acceleration



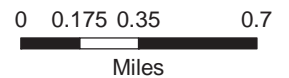
### Legend

 Ada County Boundary

### Modified Mercalli Scale, Potential Shaking

 V (Moderate)

 VI (Strong)



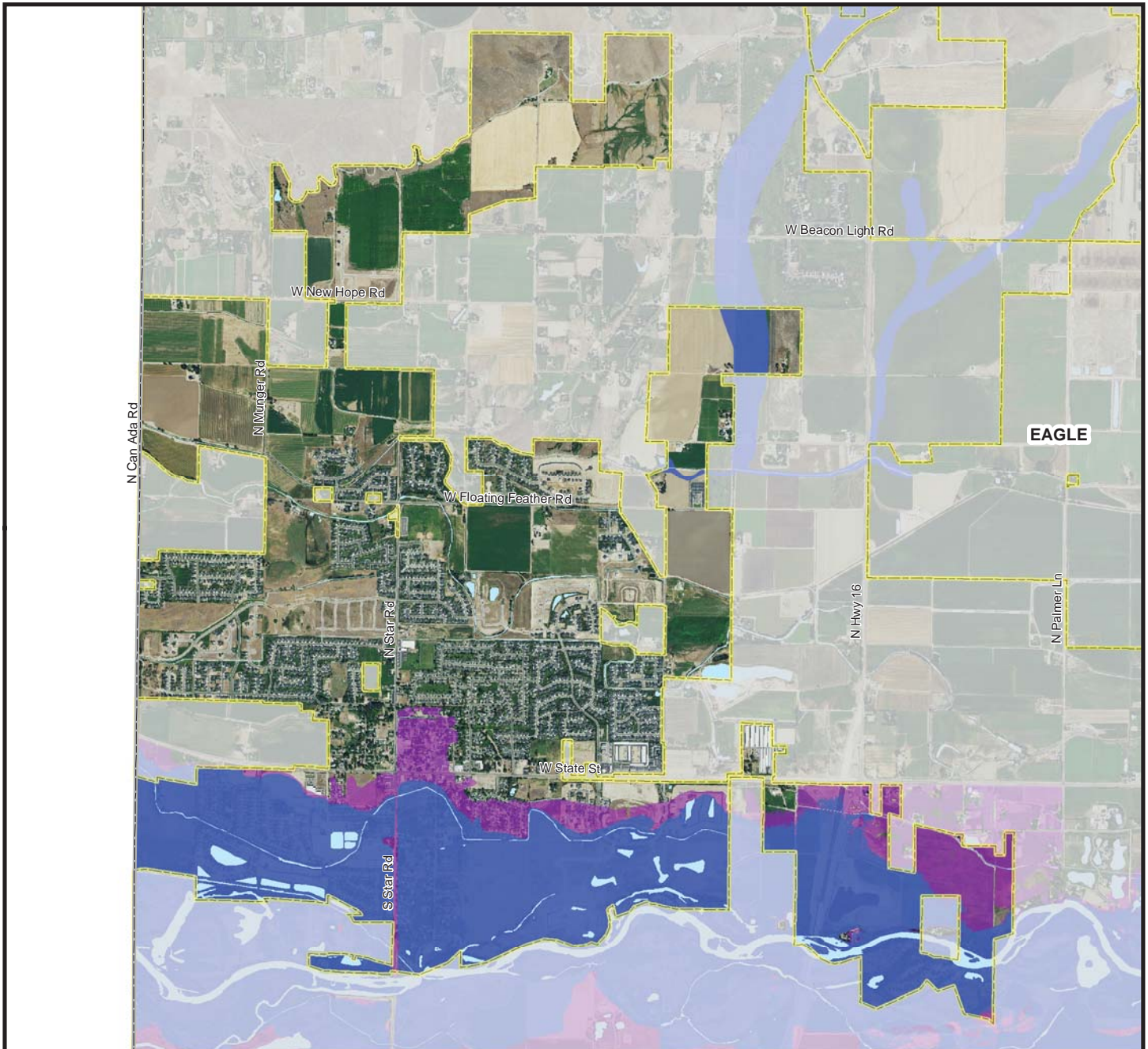
Data Sources: Ada County, U.S. Geological Survey

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 Star

## FEMA DFIRM Flood Hazard Zones



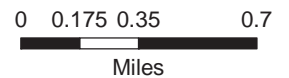
### Legend

-  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

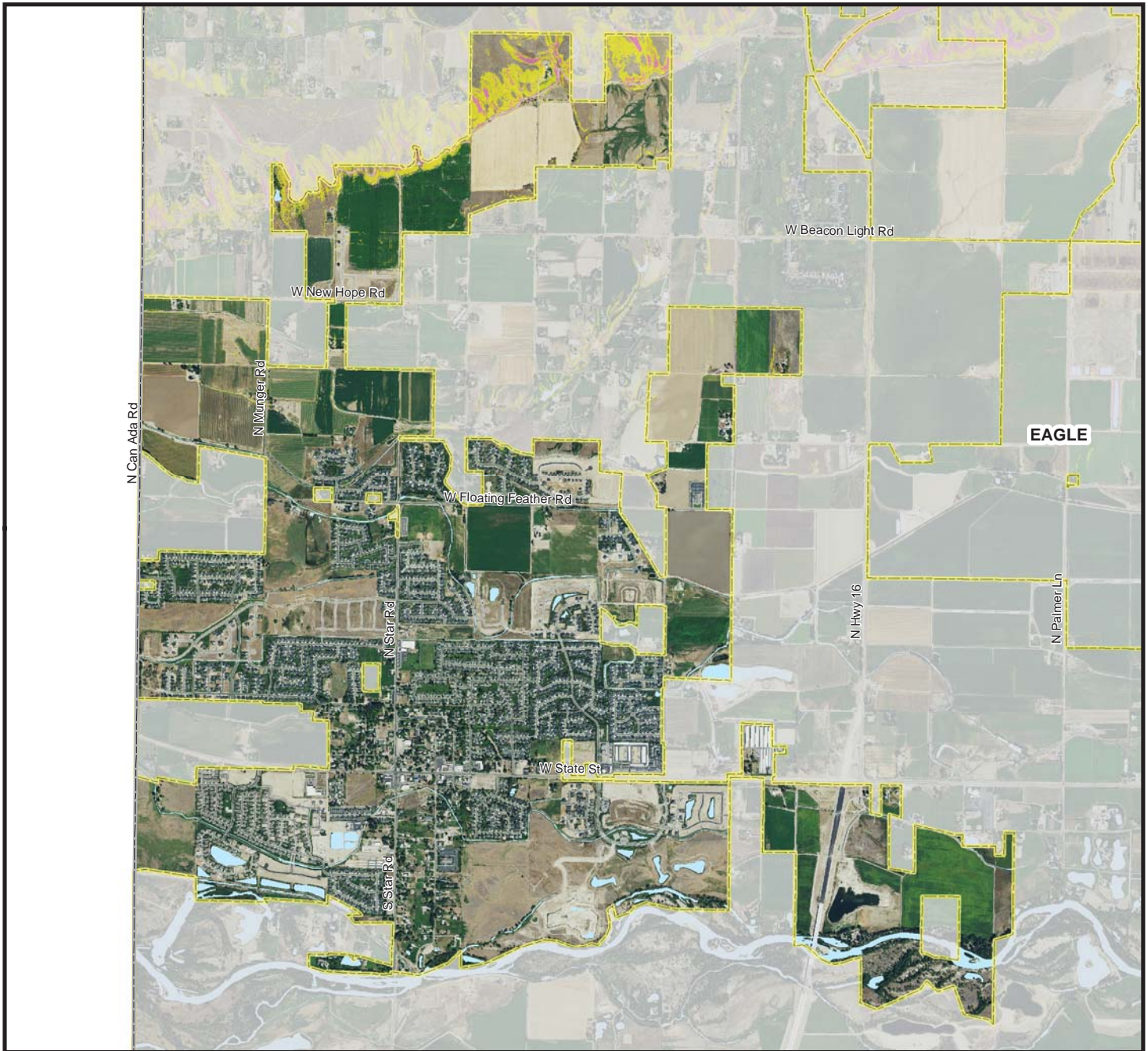
Ada County does not warrant the accuracy, reliability or timeliness of any information on this map, and shall not be held liable for losses caused by using this information.





# City of Star

## Potential Landslide Areas



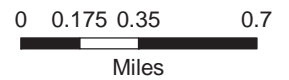
### Legend

 Ada County Boundary

### Slope

 15 - 30%

 Greater than 30%



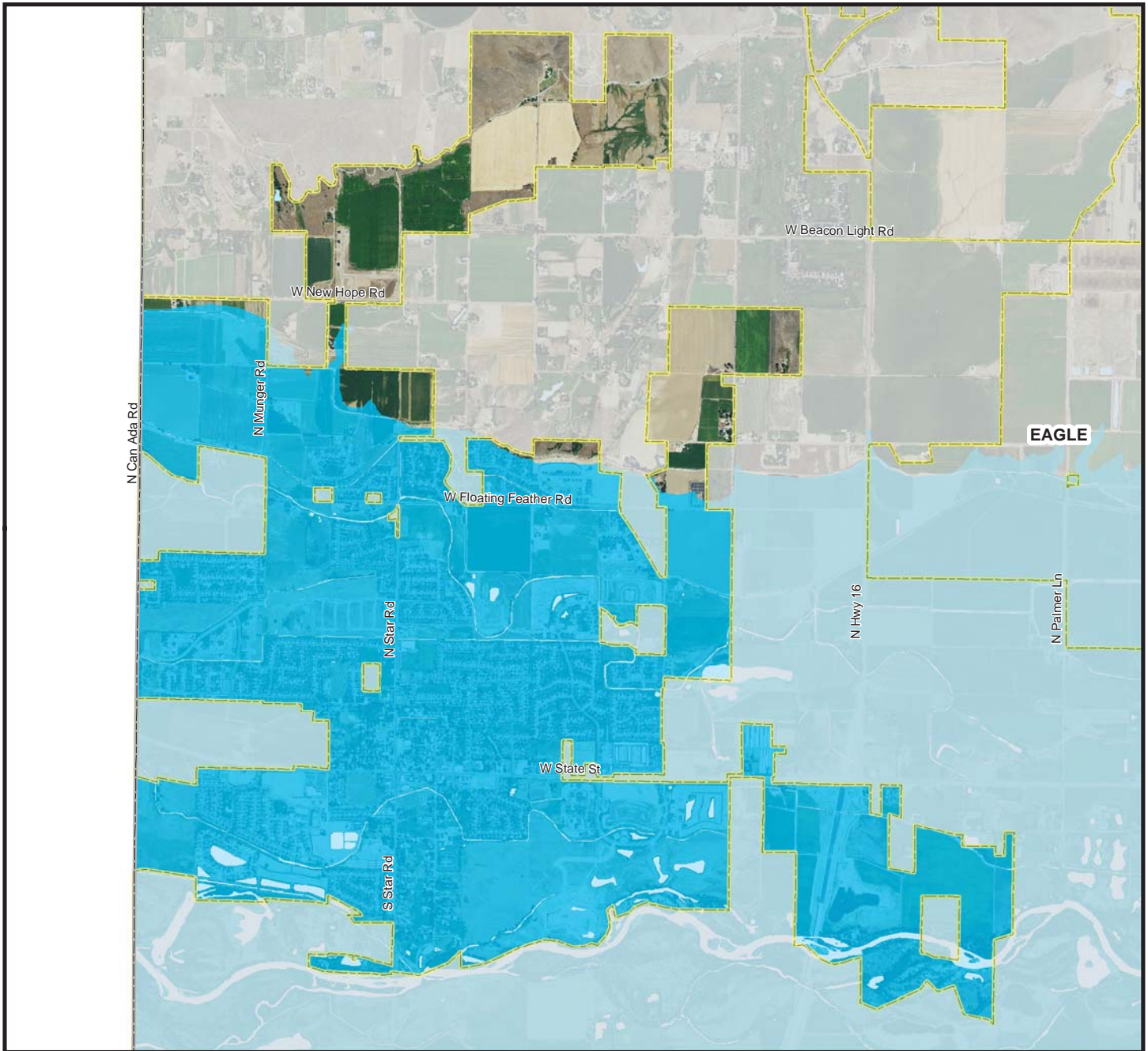
Data Sources: Ada County, U.S. Geological Survey

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 Star

## Lucky Peak Dam Failure



### Legend

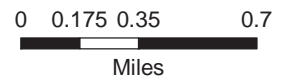
 Maximum Pool Inundation Area

Area inundated by dam failure occurring when pool elevation is at the top of the impounding structure.

This map has been compiled using the best information available and is believed to be accurate, however, its preparation required many assumptions. Actual conditions during a failure may vary from those assumed, so the accuracy cannot be guaranteed. The limits of flooding shown and the temporal data should only be used as a guideline for emergency planning and response actions. Actual areas inundated and inundation timing will depend on specific flooding and failure conditions and may differ from the areas shown on the maps.

Data Sources: Ada County, U.S. Geological Survey, U.S. Army Corp of Engineers

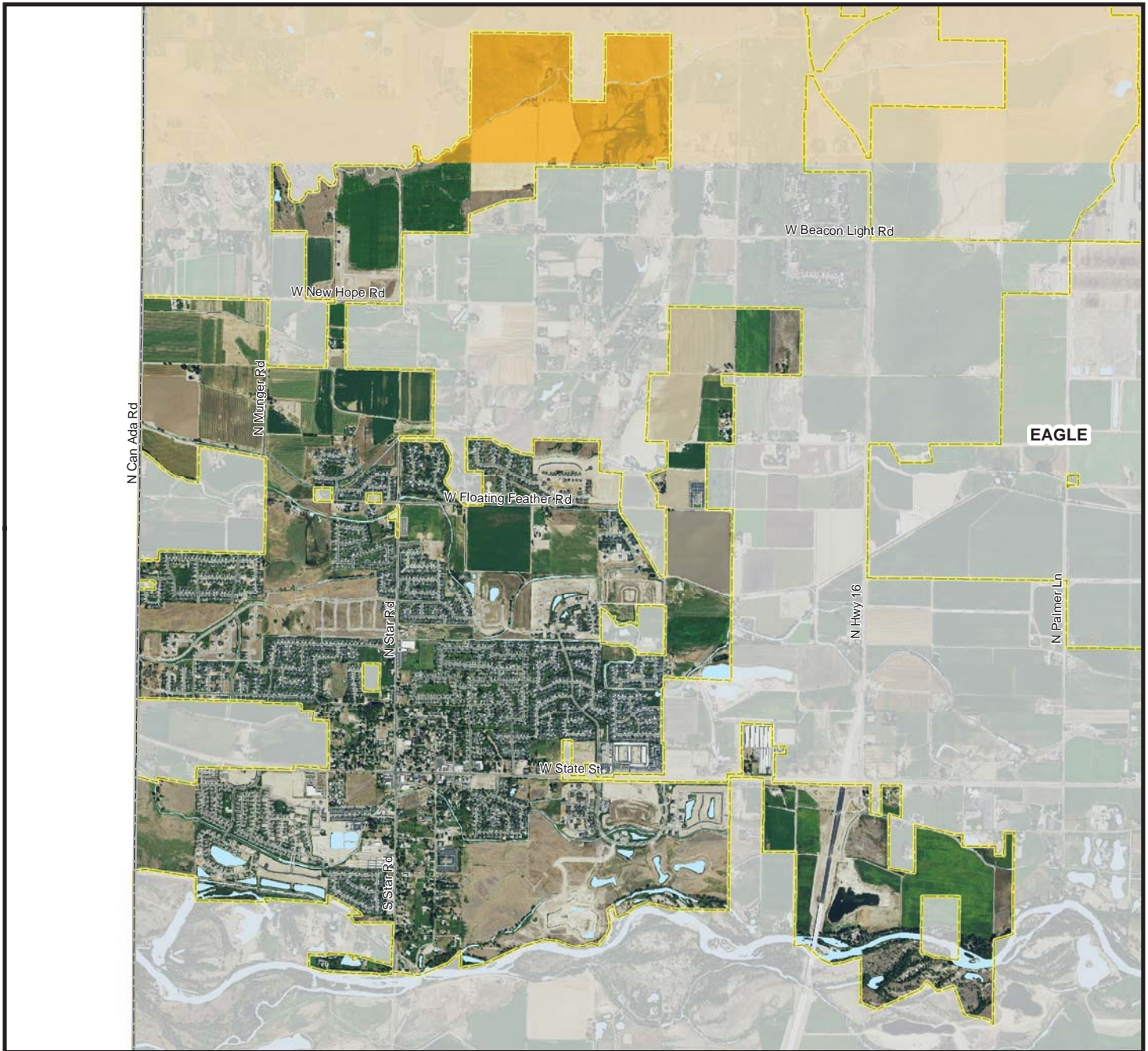
Ada County does not warrant the accuracy, reliability or timeliness of any information on this map, and shall not be held liable for losses caused by using this information.










# City of Star

## Wildfire Risk Areas



### Legend

#### Relative Risk to Wildfire

-  Low
-  Low-Moderate
-  Moderate
-  Moderate-High
-  High

Data Sources: Ada County, U.S. Geological Survey, Idaho Bureau of Land Management

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.

