

1. UNINCORPORATED ADA COUNTY

1.1 MULTI-HAZARD MITIGATION PLAN POINT OF CONTACT

Primary Point of Contact

Doug Hardman, Director, ACEM
7200 Barrister Drive
Boise, ID 83704
Telephone: 208-577-4750
E-mail Address: dhardman@adaweb.net

Alternate Point of Contact

Paul Marusich, Emergency Planner, ACEM
7200 Barrister Drive
Boise, ID 83704
Telephone: 208-577-4750
e-mail Address: pmarusich@adaweb.net

1.2 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 409,239 as of 2014 (U.S. Census American Community Survey 5-year estimates)
- Population Growth—Between 2000 (total population: 300,904) and 2010 (total population: 392,365), Ada County experienced a 30.4% increase in population for an approximate average of 3% per year. Based on 2014 population estimates, the County has experienced an additional 4.3% population increase between 2010 and 2014.
- Location and Description—Ada County is located in the southwestern part of Idaho, and encompasses a land area of 1,060 square miles (including 5 miles of water). Ada County is the State of Idaho’s most populated county, containing nearly 25% of the state’s population. It is home to the capital city of Boise, which is also the largest city and the county seat where most of the county offices are located. In addition, the county is home to five other cities, Meridian, Eagle, Garden City, Star, and Kuna. Ada County is also home to the nation’s only countywide highway district, the Ada County Highway District (ACHD) which is served by a separate elected board. Surrounding counties are Boise (NE), Canyon (NW), Elmore (SE), Gem (N), and Owyhee (SW) as shown below.



The following highways run through Ada County: Interstate Highway 84/184, US 20, US 26, US 30, State Highway 21, State Highway 44, State Highway 55, and State Highway 69.

Major dams on the Boise River in Ada County include Lucky Peak and Arrow Rock Reservoir.

Additionally, Anderson Ranch dam is another large dam that lies in Elmore County, up river of Ada County's Lucky Peak Reservoir. Ada County has a number of smaller dams as well, including Barber dam—located on the Boise River just below Lucky Peak. There are a total of 26 dams in the county, 13 of which are classified as high-hazard dams. More information on dams is available via Ada County's Emergency Management site at ACEM.org.

Key geographic features include the Boise River, which flows through the northern part of the county and the City of Boise. The northeastern part of Ada County is bordered by the foothills of the Boise Mountains (the foothills of the Rocky Mountains). The southwestern part of Ada County borders the Snake River.

Ada County is also home to the Boise Airport (Gowen Field), Gowen Field Air National Guard Base, and Boise State University—the state's largest university with nearly 20,000 students, which lies within the City of Boise.

- **Brief History**—Ada County was created by the Idaho Territorial Legislature on December 22, 1864. It is named after Ada Riggs, the first pioneer child born in the county, and daughter of H.C. Riggs, the co-founder of the City of Boise.
- **Climate**—Ada County has a high desert climate with four distinct seasons. Temperatures range from an average winter low of 22 degrees to an average high in summer of 87 degrees. Average precipitation is about 11-12 inches per year.
- **Governing Body Format**—Ada County is headed by an elected three-member group, the Board of Ada County Commissioners. The Board directly oversees departments, as there is no County Manager position. Other county elected offices include a County Clerk, Treasurer, Assessor, Prosecutor, Coroner, and Sheriff. The Board of County Commissioners is responsible for the adoption of this plan, Ada County Emergency Management is responsible for its implementation.
- **Development Trends**—In 2006, development was at an all-time high, but the boom turned to bust shortly thereafter. In recent months, the market seems to have hit bottom and small signs of recovery are emerging. In 2010, Ada County issued 494 residential and 109 commercial building permits within unincorporated parts of the county. A small number of single-family residential lots (11) and one 17-lot commercial subdivision were approved by the county in 2010. The commercial subdivision was later annexed into the City of Eagle.

1.3 CAPABILITY ASSESSMENT

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

Table 1-1. Legal and Regulatory Capability

	Local Authority	Other Jurisdiction Authority	State Mandated
Building Code <i>Comment: Title 7, Chapter 2, Ada County Code adopts the 2012 IBC, 01/6/2015</i>	Yes	No	Yes
Zoning Code <i>Comment: Title 8, ACC adopted: 12/8/2010</i>	Yes	No	No
Subdivisions <i>Comment: Title 8, Chapter 6, ACC, adopted 12/8/2010</i>	Yes	No	No
Stormwater Management <i>Comment: Title 8, Chapter 4, ACC adopted: 12/8/2010</i>	Yes	No	Yes
Post-Disaster Recovery	No	No	No
Real Estate Disclosure	No	No	No
Growth Management <i>Comment: Ada County Comprehensive Plan, adopted 11/26/2007; Ada Co. Zoning ordinance-Title 8, ACC, adopted 12/8/2010 Comprehensive plan update initiated in 2016</i>	Yes	No	No
Site Plan Review <i>Comment: Title 8, Chapter 4-ACC adopted: 12/8/2010</i>	Yes	No	No
Environmental Protection	No	No	No
Flood Damage Prevention <i>Comment: Title 8, Chapter 3-ACC, Article F adopted 12/3/2014</i>	Yes	No	No
Emergency Management <i>Comment: Idaho Code § 46-1009</i>	Yes	No	No
Climate Change	No	No	No
Other <i>Comment: Flood Hazard Overlay District: Title 8, Chapter 3, article F, ACC, adopted: 2/12/2003 Wildland Urban Interface Overlay District: Title 8, Chapter 3, Article B, ACC, adopted: 7/12/2006 Southwest Planning Area Overlay District: Title 8, Chapter 3, article C, ACC adopted: 7/12/2006 Boise River Greenway Overlay District. Title 8, Chapter 3, article G, ACC, adopted: 6/14/2000 Hillside Overlay District. Title 8, Chapter 3, article H, ACC. Adopted: 12/8/2010 Cartwright Ranch Planned Community Zoning Ordinance, Title 8, Chapter 3, article K, ACC. Adopted: 2/10/2010 Dry Creek Planned Community Zoning Ordinance. Title 8, Chapter 3, article n, ACC. Adopted: 2/10/2010 Hidden Springs Zoning Ordinance & Specific Plan. Title 8, Ch. 21. Adopted: 3/12/1997 Private Roads. Title 8, Ch. 4, Article D, ACC. Adopted 7/12/2006</i>	Yes	No	No
General or Comprehensive Plan <i>Is the plan equipped to provide linkage to this mitigation plan? Yes Comment: Ada County Comprehensive Plan, adopted 11/26/2007 Comprehensive Plan update initiated in 2016</i>	Yes	No	No
Capital Improvement Plan <i>What types of capital facilities does the plan address? Transportation Infrastructure How often is the plan updated? 4-year performance period, reviewed and updated annually Comment: ACHD 2013 CIP</i>	Yes	No	No

	Local Authority	Other Jurisdiction Authority	State Mandated
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: Phase I Stormwater Mgmt. Plan – December 2013; Ada County Highway District</i>	Yes	No	No
Habitat Conservation Plan	No	No	No
Economic Development Plan	No	No	No
Shoreline Management Plan	N/A	No	No
Community Wildfire Protection Plan <i>Comment: Mitigation Plan will serve as CWPP as approved by the Idaho Department of Lands</i>	Yes	No	Yes
Forest Management Plan	No	No	No
Climate Action Plan	No	No	No
Other		No	No
Comprehensive Emergency Management Plan <i>Comment: Ada County EOP (2014) and hazard specific plans fulfill this function .</i>	Yes	No	No
Threat & Hazard Identification & Risk Assessment <i>Comment: Ada County THIRA 2015, Ada County Multi-Hazard Mitigation Plan</i>	Yes	No	No
Post-Disaster Recovery Plan	No	No	No
Continuity of Operations Plan	Yes	No	No
Public Health Plan <i>Comment: Central District Health Department Emergency Operations Plan, 2013</i>	No	Yes	No

Table 1-2. 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	Sewer-yes; Water-no; gas or electric-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	No
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Other	None

Table 1-3. Administrative and Technical Capability

Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Development Services/Planning & Zoning
Engineers or professionals trained in building or infrastructure construction practices	Yes	Development Services/Building Division
Planners or engineers with an understanding of natural hazards	Yes	Development Services/Engineering Division
Staff with training in benefit/cost analysis	Yes	Ability to contract for service
Surveyors	Yes	Development Services/Engineering Division
Staff capable of making substantial damage estimates	Yes	Development Services/Engineering Division
Personnel skilled or trained in GIS applications	Yes	Information Technology/GIS Info System Tech
Scientist familiar with natural hazards in local area	Yes	Planning partners available through universities and Idaho Office of Emergency Management
Emergency manager	Yes	Ada County Emergency Management (ACEM)
Grant writers	Yes	Ability to contract for service

Table 1-4. 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)?	10/02/03
What local department is responsible for floodplain management?	Development Services/Engineering Division
Who is your floodplain administrator? (department/position)	Director or appointee - Development Services (per flood ordinance)
<ul style="list-style-type: none"> Is this a primary or auxiliary role? 	Auxiliary
Are any certified floodplain managers on staff in your jurisdiction?	Yes
What is the date of adoption of your flood damage prevention ordinance?	12/03/2014
<ul style="list-style-type: none"> Does your floodplain management program meet or exceed minimum requirements? If so, in what ways? 	Exceed 1-foot freeboard
When was the most recent Community Assistance Visit or Community Assistance Contact?	August, 2012
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed?	No
<ul style="list-style-type: none"> If so, please state what they are. 	
Do your flood hazard maps adequately address the flood risk within your jurisdiction?	Yes
<ul style="list-style-type: none"> If no, please state why. 	
Does your floodplain management staff need any assistance or training to support its floodplain management program?	Yes
<ul style="list-style-type: none"> If so, what type of assistance/training is needed? 	Funding for CFM ongoing training.
Does your jurisdiction participate in the Community Rating System (CRS)?	Yes
<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?	313
<ul style="list-style-type: none"> What is the insurance in force? What is the premium in force? 	\$80,684,300 \$178,955
How many total loss claims have been filed in your jurisdiction?	18
<ul style="list-style-type: none"> How many claims were closed without payment/are still open? What were the total payments for losses? 	10 \$41,049.13

Table 1-5. Community Classifications

	Participating?	Classification	Date Classified
Community Rating System	Yes	6	10/1/13
Building Code Effectiveness Grading Schedule	Yes	10	N/A
Public Protection	See Fire District Planning Partner Annex		
Storm Ready	Yes	Gold	N/A
Firewise	Wilderness Ranch		2002
	Avimor		2007
	Hidden Springs		2009
	Central Foothills Neighborhood Association		2010
	Warm Springs Mesa		2010
	Morningside Heights HOA		2012
	Columbia Village		2013

Table 1-6. 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.	Yes Information regarding current and past hazard mitigation planning initiatives is easily accessible on the website.
Do you utilize social media for hazard mitigation education and outreach? • If yes, please briefly describe.	Yes Current Emergency Management Facebook page and Twitter account used for general EM education and outreach. Ability to post mitigation-specific information.
Do you have any citizen boards or commissions that address issues related to hazard mitigation? • If yes, please briefly specify.	Yes There is citizen representation on the Hazard Mitigation Steering Committee. Mitigation updates and initiatives are also discussed at the Local Emergency Planning Committee meetings.
Do you have any other programs already in place that could be used to communicate hazard-related information? • If yes, please briefly describe.	Yes ACEM conducts regular outreach through social media, website, public presentations, safety/preparedness events and public school programs.
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. 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.

1.4 INTEGRATION WITH OTHER PLANNING INITIATIVES

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

1.4.1 Existing Integration

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

- Ada County Comprehensive Plan—The Comprehensive Plan for Ada County 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.
- Hazard Analysis developed for the Mitigation Plan is used to inform the Threat Hazard Inventory and Risk Assessment (THIRA). The THIRA includes gap analysis that ties response, mitigation and recovery capabilities together to help create a comprehensive approach to the hazards of concern.
- Hazard Analysis developed for the Mitigation Plan is used to inform the Hazard Specific Response Plans (Flood, Wildfire) within the County.

1.4.2 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:

- Future planning efforts will incorporate the data and analysis contained in the Mitigation Plan and the THIRA.

1.5 JURISDICTION-SPECIFIC NATURAL HAZARD EVENT HISTORY

Table 1-7 lists all past occurrences of natural hazards within the jurisdiction.

1.6 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:

- Critical infrastructure located in or near floodplains require mitigation actions that address a variety of issues to make the facilities more resilient and capable of maintaining continuity of operations.
- Inadequate water supply for fire suppression operations in some areas of the Wildland Urban Interface .

1.7 HAZARD RISK RANKING

Table 1-8 presents the ranking of the hazards of concern.

Table 1-7. Natural Hazard Events

Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Severe Hail, Wind, Thunder Storm	N/A	9/05/2013	No Data Available
Flood	N/A	5/08/2012	\$540,000.00 - Garden City + ACHD
High Winds/ Micro-burst	N/A	8/21/2010	\$36,100.00
Highway 16 Wildfire	N/A	7/28/2010	No Data Available
High Winds	N/A	3/29/2009	\$36,700.00
Oregon Trail Wildfire	N/A	8/25/2008	\$1,700,000.00
Flood	N/A	6/5/2006	No Data Available
Flood	N/A	5/26/2006	No Data Available
Flood	N/A	5/11/2006	No Data Available
Flood	N/A	4/5/2006	No Data Available
Wildfire	N/A	7/26/2005	No Data Available
Wildfire	N/A	7/12/2004	No Data Available
Flood	N/A	7/7/2004	No Data Available
Wildfire	N/A	7/6/2003	No Data Available
Severe Storm/Thunder Storm—Wind	N/A	7/25/2002	No Data Available
Wildfire	N/A	7/4/2002	No Data Available
Wildfire	DR-1341	9/1/2000	No Data Available
Wildfire	N/A	7/2/2000	No Data Available
Wildfire	N/A	7/26/1999	No Data Available
Wildfire	N/A	7/19/1999	No Data Available
Flood	N/A	3/7/1999	No Data Available
Severe Storm/Thunder Storm—Wind	N/A	1/16/1999	No Data Available
Severe Storm/Thunder Storm—Wind	N/A	9/6/1998	\$38,000.00
Flood	N/A	5/17/1998	No Data Available
Severe Hail, Wind, Thunder Storm	N/A	4/23/1998	\$20,000.00
High Wind	N/A	9/17/1997	\$62,000.00
Flood	DR-1177	9/11/1997	No Data Available
Flood	DR-1154	7/7/1997	No Data Available
Flood	N/A	1/1/1997	No Data Available
Wildfire	N/A	8/26/1996	No Data Available
Lightning/Wildfire	N/A	7/28/1995	No Data Available
Severe Storm/Thunder Storm—Wind	N/A	4/27/1995	\$50,500.00
Severe Winter Storm/Thunder Storm	N/A	12/1/1994	No Data Available
Flood	N/A	5/7/1993	No Data Available
Winter Weather—Snow	N/A	11/27/1992	No Data Available
Winter Weather –Blizzard	N/A	11/9/1992	No Data Available
Drought	N/A	10/1/1992	\$1,900,000.00 – crop damage
Heat—Wind	N/A	8/20/1992	\$1,900,000 .00– crop damage
Winter Weather—Unusually Cold	N/A	2/4/1989	\$12,800.00
Wildfire	N/A	8/2/1988	No Data Available
Severe Storm/Thunder Storm—Wind	N/A	6/15/1987	\$13,800.00
Flood	N/A	2/1/1986	No Data Available
Wind	N/A	4/15/1985	No Data Available

Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Flood	N/A	6/1/1983	No Data Available
Hail—Wind	N/A	8/11/1982	\$250,000.00
Flood	N/A	2/1/1982	No Data Available
Wind	N/A	6/30/1981	\$50,000.00
High Winds	N/A	3/29/1981	\$35,700.00
Flood	N/A	1/5/1979	No Data Available
Winter Weather—Extreme Cold	N/A	1/1/1979	\$61,300.00
Wind	N/A	12/15/1977	\$25,000.00
Severe Storm/Thunder Storm—Wind	N/A	6/8/1976	No Data Available
Severe Thunder Storm—Wind, Lightning	N/A	7/29/1975	No Data Available
Wind	N/A	2/26/1974	No Data Available
Flood	N/A	5/26/1973	No Data Available
Winter Weather -Freeze	N/A	12/8/1972	\$125,000.00
Winter Weather -Wind, Snow	N/A	1/9/1972	\$113,600.00
Strong Winds	N/A	3/30/1971	No Data Available
Flood	N/A	1/17/1971	No Data Available
Severe Hail—Wind	N/A	6/26/1970	\$17,200.00

Table 1-8. Hazard Risk Ranking

Rank	Hazard Type	Risk Rating Score (Probability x Impact)	Category
1	Severe Weather	33	High
2	Wildfire	24	Medium
3	Flood	18	Medium
4	Earthquake	16	Medium
5	Landslide	12	Low
6	Drought	9	Low
7	Dam Inundation	6	Low
8	Volcano	6	Low

1.8 STATUS OF PREVIOUS PLAN INITIATIVES

Table 1-9 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.

1.9 HAZARD MITIGATION ACTION PLAN AND EVALUATION OF RECOMMENDED ACTIONS

Table 1-10 lists the actions that make up the Unincorporated Ada County hazard mitigation action plan. Table 1-11 identifies the priority for each action. Table 1-12 summarizes the mitigation actions by hazard of concern and the six mitigation types.

Table 1-9. Status of Previous Action Plan

Action Item	Completed	Carry Over to Plan Update	Removed; No Longer Feasible
Action #AC001 – Flood walls at Courthouse		X	
Action #AC002—Transfer switch for generator power <i>Comment:</i> Brief cost analysis conducted. Current budgetary restrictions prohibit action in the near future.		X	
Action #AC003—Backup power at Courthouse <i>Comment:</i> No funding source identified.		X	
Action #AC004—Locate/protect first responders facilities from flood <i>Comment:</i> This will be an ongoing effort as the area grows.		X	
Action #AC005—Harden irrigation canals <i>Comment:</i> New York canal examining a new cost effective membrane.		X	
Action #AC006—NFIP <i>Comment:</i> Ongoing compliance in program.		X	
Action #AC007—Seismic retrofit of County facilities <i>Comment:</i> No funding source identified.		X	
Action #AC008—Outreach to Irrigation Districts <i>Comment:</i> Ongoing outreach		X	
Action #AC009—New soils data <i>Comment:</i> New data provided by Idaho Geological Survey.	X	X	
Action #AC010—Multi-flow inter-active map of Boise River <i>Comment:</i> Entire reach of the river completed and online in March 2016.	X	X	
Action #AC011—Enhanced Wildfire Risk Map <i>Comment:</i> Map project completed June, 2016	X		
Action #AC012—Regulatory Standards for building <i>Comment:</i> Ongoing practice, Ada County has adopted the most recent International Building Codes		X	
Action #AC013—Community Outreach <i>Comment:</i> Ongoing – have expanded program to include social media.		X	
Action #AC014—Foothills Sirens <i>Comment:</i> Sirens removed, equipment reached end of life, not compatible with current technology.			X
Action #AC015—Community Mass Notification System <i>Comment:</i> New system purchased, maintenance will be ongoing.		X	
Action #AC016—Open Space and Mitigation District <i>Comment:</i> Dialogue with the community partners continues.		X	
Action #AC017—U.S. Army Corps of Engineers Exercise participation <i>Comment:</i> This is an ongoing practice.		X	
Action #AC018—Dam release rates <i>Comment:</i> Continue open communication with all involved partners.		X	
Action #AC019—Wood Duck Island Bank Stabilization	X		
Action #AC020—CRS Participation <i>Comment:</i> This is an ongoing process.		X	
Action #AC021—Comprehensive Plan Integration <i>Comment:</i> This is in process for next Comp Plan Update.		X	

Action Item	Completed	Carry Over to Plan Update	Removed; No Longer Feasible
Action #AC022—Building retro-fit, re-location <i>Comment:</i> Long-term initiative, no project currently underway.		X	
Action #AC023—Support community-wide initiatives <i>Comment:</i> This is an ongoing practice		X	
Action #AC024—Plan update and maintenance <i>Comment:</i> This is an ongoing practice		X	
Action #AC025—Re-locate or harden government facilities <i>Comment:</i> Long-term initiative, no project currently underway.		X	

Table 1-10. Hazard Mitigation Action Plan Matrix

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
Action #AC001 —Evaluate the cost-effectiveness of raising the walls around the Courthouse basement entries to mitigate the threat of water coming into the basement and flooding the electrical room and generator. Include the Parking structures to the east of the courthouse in the study.						
Existing	Flood	1,3,10	Ada County Operations Dept.	Medium	Ada County, PDM, FMA	Long Term
Action #AC002 —Install Bypass switches to 400 Benjamin—east electrical room to allow for tie-in of a back-up Generator. Maintain essential government services during loss of power. This building is also a backup location for other county offices that could lose functionality during a flood.						
Existing	Severe Weather, Seismic, Flood	1,3,10	Ada County Operations Dept.	Medium	Ada County, PDM, HSGP	Short Term
Action #AC003 —Perform a study to determine the most cost effective method of enhancing the back-up power at the Courthouse so that the facility could maintain full services to the public. Look into the possibility of placing the current Gen-Set on the roof of the facility to remove it from flood issues. A structural study of the building will be required.						
Existing	Flood, Seismic, Severe Weather	1, 3, 10	Ada County Operations Dept.	Medium	Ada County, PDM, FMA, HSGP	Long Term
Action #AC004 —Keep First Responder Facilities out of Flood areas where ever possible. When not possible due to response time issues, design the facilities to keep water from entering, i.e. retaining walls, raise finish floor elevations.						
Existing and New	Flood, Severe Weather	1,10	Ada County Operations Dept.	Medium	Ada County, PDM, FMA	Long Term
Action #AC005 —Examine and determine the most effective method to harden irrigation canals (i.e. tiling) in areas of high urban interface to prevent the flooding of residences and businesses without losing essential ground water recharge.						
Existing	Flood, Severe Weather, Seismic	1, 2, 9, 10	Ada County Irrigation Districts	High	Ada County Irrigation Districts	Long Term
Action #AC006 —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.						
Existing	Flood	2, 3, 4, 6, 8, 9	Ada County Planning and Development Services	Low	Ada County	Short Term
Action #AC007 —Assess and prioritize non-structural seismic retrofit needs of County-owned facilities. Once appropriate, cost-effective retrofit measures have been identified, implement the actions based on available funding and resources.						
Existing	Earthquake	1, 2, 3	Ada County Operations Dept.	Medium	Ada County, PDM, HSGP	Long Term
Action #AC008 —Continue outreach to Irrigation Districts in an effort to encourage their participation in the Mitigation Plan as planning partners.						
Existing	Flood, Severe Weather	6, 9, 10	ACEM	Low	Ada County	Short Term
Action #AC009 —Consider appropriate higher regulatory standards that prevent or reduce risk to the built environment from the known hazards of concern.						
New and Existing	All Hazards	4, 5, 6	Ada County	Low	Ada County	Short Term
Action #AC010 —Maintain an active Public Outreach strategy using the web, social media, emails and public presentations to inform the public how to personally prepare for and mitigate the hazards of concern.						
New and Existing	All Hazards	2, 8, 9	ACEM	Low	ACEM	Short Term
Action #AC011 —Maintain emergency alert phone system to notify residents of evacuations orders and procedures during a natural hazard event.						
Existing	All Hazards	7, 8	Ada County Dispatch	Low	Ada County Dispatch	Short Term

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
Action #AC012 —Consider the formation of an Open Space and Mitigation District. The district would manage acquired lands using practices that balanced the needs of community open space and recreation with appropriate mitigation activities that reduce or eliminate 3 known hazards of concern. Purposed activities include but are not limited to the maintenance of lands purchased in the floodplain, slope stabilization through low biomass native vegetation projects and the creation and maintenance of fire safe buffers in the WUI.						
New	Flood, Wildfire, Landslide	3, 4, 6, 9	Partnership of jurisdictions	High	Partnership of jurisdictions	Long Term
Action #AC013 —Participate in Dam Failure and high water release exercises conducted by Army Corps of Engineers						
Existing	Flood, Dam Failure	2, 9	ACEM	Low	ACEM	Short Term
Action #AC014 —Maintain an active dialogue with all the partners involved in the release rates of water from Lucky Peak Dam. Continue to seek a balance in the regulated flows that meets the needs of agricultural water users, flood control for urban areas and river recreationists.						
Existing and New	Dam Failure, Flood, Drought	2, 9	ACEM	Low	ACEM	Short Term
Action #AC015 —Continue to maintain/enhance the County's classification under the Community Rating System.						
Existing and New	Flood	3, 4, 5, 6, 8	Ada County Planning and Development Services	Low	Ada County	Short Term
Action #AC016 —Integrate Multi-Hazard Mitigation Plan into the 2016 update to the Ada County Comprehensive Plan.						
Existing and New	All Hazards	2, 5, 6	Ada County Planning and Development Services	Low	Ada County	Long term
Action #AC017 —Where appropriate, support retrofitting, purchase, or relocation of structures located in hazard-prone areas to protect structures from future damage, prioritizing properties with a history of repetitive loss or very high exposure to risk.						
Existing	All Hazards	3, 8, 9	Ada County Planning and Development Services, ACEM	High	FEMA Hazard Mitigation Grant Programs, ICC	Long Term
Action #AC018 —Support County-wide initiatives identified in Volume 1.						
Existing and New	All Hazards	All	ACEM	Low	Ada County	Short Term
Action #AC019 —Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Volume 1.						
Existing and New	All Hazards	All	ACEM	Low	Ada County, HSGP	Short Term
Action #AC020 —Where appropriate, relocate or harden governmental records and service facilities currently located in hazard-prone areas. If the facilities cannot be relocated, determine and employ the most cost-effective methodologies to protect facilities from future potential damage caused by the known hazards of concern.						
Existing	All Hazards	1, 3, 10	Ada County Planning and Development Services, ACEM	High	FEMA Hazard Mitigation Grant Programs, ICC	Long Term
Action #AC021 —Evaluate flood, Dam Failure and earthquake risk to all Paramedic Stations and identify cost-effective solutions to mitigate those risks.						
Existing	Flood, Dam Failure, Earthquake	1, 3, 10	Ada County Emergency Services District (ACEMSD)	Medium	ACEMSD, PDM, FMA	Short Term
Action #AC022 —Identify and install appropriate resources to ensure Barber Dam operations are uninterrupted by a loss of power. Solutions include a SCADA (supervisory control and data acquisition) system upgrade and/or backup power (generator, battery etc.).						
Existing	Flood, Dam Failure, Severe Weather	1, 9, 10	Ada County Operations Dept.	Medium	Ada County, PDM, HSGP	Short Term
Action #ACO23 —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, Dam Failure	2, 5, 9	Ada County	Medium	Ada County, Grants	Long-term

Table 1-11. 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
AC001	3	Medium	Medium	Yes	Yes	No	Low	Medium
AC002	3	Medium	Medium	Yes	Yes	No	Medium	Medium
AC003	3	Medium	Medium	Yes	Yes	No	Low	Medium
AC004	2	Medium	Medium	Yes	Yes	No	Medium	Medium
AC005	4	High	High	Yes	No	No	Low	Low
AC006	6	Medium	Low	Yes	No	Yes	High	Low
AC007	3	Medium	Medium	Yes	Yes	No	Medium	Medium
AC008	3	Low	Low	Yes	No	Yes	Low	Low
AC009	3	Medium	Low	Yes	No	Yes	High	Low
AC010	3	Medium	Low	Yes	Yes	Yes	High	Low
AC011	2	Medium	Low	Yes	Yes	Yes	High	Low
AC012	4	High	High	Yes	No	No	Low	Low
AC013	2	Low	Low	Yes	No	Yes	High	Low
AC014	2	Medium	Low	Yes	No	Yes	High	Low
AC015	5	Medium	Low	Yes	No	Yes	High	Low
AC016	3	Medium	Low	Yes	No	Yes	High	Low
AC017	3	High	High	Yes	Yes	No	Low	Medium
AC018	10	Medium	Low	Yes	Yes	Yes	High	Low
AC019	10	Medium	Low	Yes	Yes	Yes	High	Low
AC020	3	High	High	Yes	Yes	No	Medium	Medium
AC021	3	Medium	Medium	Yes	Yes	No	Medium	Medium
AC022	3	High	Medium	Yes	Yes	No	Medium	High
ACO23	3	High	Medium	Yes	Yes	No	Medium	High

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

Table 1-12. 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	AC009, AC016, AC018, AC019	AC007, AC017, AC020	AC010	AC007, AC012, AC022	AC011, AC013, AC022	
Drought	AC09, AC014, AC016, AC018, AC019	AC017, AC020	AC010	AC022		
Earthquake	AC09, AC016, AC018, AC019	AC003, AC007, AC017, AC020, AC021	AC010	AC012	AC002, AC003, AC011	AC002, AC003
Flood	AC004, AC006, AC008, AC009, AC012, AC014, AC015, AC016, AC018, AC019, AC023	AC001, AC002, AC003, AC004, AC005, AC020, AC023	AC006, AC08, AC010	AC016, AC022, AC023	AC001, AC002, AC003, AC004, AC011, AC013, AC021	AC001, AC002, AC003, AC004
Landslide	AC009, AC016, AC018, AC019	AC017, AC020	AC010	AC012	AC011	
Severe Weather	AC004, AC009, AC016, AC018, AC019	AC002, AC003, AC004, AC005, AC017, AC020	AC08, AC010	AC022	AC001, AC002, AC003, AC004, AC011	AC002, AC003, AC004
Wildfire	AC009, AC012, AC016, AC018, AC019	AC017, AC020	AC010	AC012	AC011	
Volcano	AC016, AC018, AC019	AC020	AC010		AC011	

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

