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2022 Ada County Multi-Hazard Mitigation Plan












## Appendix A. Community Survey Results

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**Respondents:** 3537 displayed, 3537 total**Status:** Open**Launched Date:** 10/28/2021**Closed Date:** 04/30/2022
















## 1. Where do you live?

|                              |   | Response<br>Total       | Response<br>Percent | Points | Avg |
|------------------------------|---|-------------------------|---------------------|--------|-----|
| Boise                        |  | 582                     | 48%                 | n/a    | n/a |
| Meridian                     |  | 280                     | 23%                 | n/a    | n/a |
| Garden City                  |  | 23                      | 2%                  | n/a    | n/a |
| Eagle                        |  | 105                     | 9%                  | n/a    | n/a |
| Star                         |  | 65                      | 5%                  | n/a    | n/a |
| Kuna                         |  | 64                      | 5%                  | n/a    | n/a |
| Hidden Springs Dry           |  | 8                       | 1%                  | n/a    | n/a |
| Creek Ranch                  |   | 0                       | 0%                  | n/a    | n/a |
| Avimor                       |  | 10                      | 1%                  | n/a    | n/a |
| Cartwright Ranch             |   | 3                       | 0%                  | n/a    | n/a |
| Unincorporated Ada           |  | 36                      | 3%                  | n/a    | n/a |
| County Outside Ada<br>County |  | 20                      | 2%                  | n/a    | n/a |
| Other, please specify        |  | 14                      | 1%                  | n/a    | n/a |
| <a href="#">view</a>         |   |                         |                     |        |     |
| <b>Total Respondents</b>     |   | <b>1210</b>             | <b>100%</b>         |        |     |
|                              |   | (skipped this question) |                     | 2327   |     |

## 2. Do you work in Ada County?

|                          |   | Response<br>Total       | Response<br>Percent | Points | Avg |
|--------------------------|---|-------------------------|---------------------|--------|-----|
| Yes                      |  | 724                     | 60%                 | n/a    | n/a |
| No                       |  | 412                     | 34%                 | n/a    | n/a |
| Telecommute              |  | 63                      | 5%                  | n/a    | n/a |
| <b>Total Respondents</b> |   | <b>1199</b>             | <b>100%</b>         |        |     |
|                          |   | (skipped this question) |                     | 2338   |     |

## 3. Which of the following hazard events have you or anyone in your household experienced in the past within Ada County? (Check all that apply)

|  |   | Response<br>Total | Response<br>Percent | Points | Avg |
|--|---|-------------------|---------------------|--------|-----|
| Drought  |  | 465               | 40%                 | n/a    | n/a |
| Earthquake   |  | 602               | 52%                 | n/a    | n/a |
| Flood  |  | 126               | 11%                 | n/a    | n/a |
| Hazardous Materials  |  | 65                | 6%                  | n/a    | n/a |
| Household Fire   |  | 34                | 3%                  | n/a    | n/a |
| Landslide  |  | 11                | 1%                  | n/a    | n/a |
| Severe Weather<br>(wind, lightning,<br>winter storm, etc.) |  | 694               | 60%                 | n/a    | n/a |
| Wildfire   |  | 191               | 17%                 | n/a    | n/a |
| Cyber Disruption   |  | 108               | 9%                  | n/a    | n/a |
| Radiological Event   |  | 7                 | 1%                  | n/a    | n/a |
| Utility Failure  |  | 499               | 43%                 | n/a    | n/a |
| Civil Disturbance  |  | 93                | 8%                  | n/a    | n/a |
| Pandemic   |  | 840               | 73%                 | n/a    | n/a |
| None   |  | 100               | 9%                  | n/a    | n/a |
| Other, please<br>specify                                   |  | 49                | 4%                  | n/a    | n/a |
| <a href="#">view</a>                                       |   |                   |                     |        |     |
| <b>Total Respondents</b>                                   |   | <b>1157</b>       |                     |        |     |

4. How concerned are you about the following hazards in Ada County? (Check one response for each hazard)

|                     | <b>Not<br/>Concerned</b> | <b>Somewhat<br/>Concerned</b> | <b>Concerned</b> | <b>Very<br/>Concerned</b> | <b>Extremely<br/>Concerned</b> | <b>Response<br/>Total</b> | <b>Points</b> | <b>Avg</b> |
|---------------------|--------------------------|-------------------------------|------------------|---------------------------|--------------------------------|---------------------------|---------------|------------|
| Air Quality         | 10.2% (106)              | 20.98% (218)                  | 25.99% (270)     | 23.39% (243)              | 19.44% (202)                   | <b>1039</b>               | <b>n/a</b>    | <b>n/a</b> |
| Climate Change      | 31.32% (327)             | 14.56% (152)                  | 15.52% (162)     | 15.33% (160)              | 23.28% (243)                   | <b>1044</b>               | <b>n/a</b>    | <b>n/a</b> |
| Civil Disturbance   | 24.83% (256)             | 29.29% (302)                  | 27.16% (280)     | 13.58% (140)              | 5.14% (53)                     | <b>1031</b>               | <b>n/a</b>    | <b>n/a</b> |
| Dam/Levee Failure   | 45.9% (476)              | 27.58% (286)                  | 18.32% (190)     | 5.69% (59)                | 2.51% (26)                     | <b>1037</b>               | <b>n/a</b>    | <b>n/a</b> |
| Disease/Epidemic    | 20.59% (215)             | 25.1% (262)                   | 23.08% (241)     | 18.1% (189)               | 13.12% (137)                   | <b>1044</b>               | <b>n/a</b>    | <b>n/a</b> |
| Drought             | 8.14% (86)               | 19.51% (206)                  | 26.14% (276)     | 27.18% (287)              | 19.03% (201)                   | <b>1056</b>               | <b>n/a</b>    | <b>n/a</b> |
| Earthquake          | 34.25% (360)             | 38.44% (404)                  | 20.17% (212)     | 5.14% (54)                | 2% (21)                        | <b>1051</b>               | <b>n/a</b>    | <b>n/a</b> |
| Flood               | 46.2% (480)              | 30.8% (320)                   | 16.55% (172)     | 4.81% (50)                | 1.64% (17)                     | <b>1039</b>               | <b>n/a</b>    | <b>n/a</b> |
| Hazardous Materials | 42.44% (441)             | 31.67% (329)                  | 17.32% (180)     | 5.77% (60)                | 2.79% (29)                     | <b>1039</b>               | <b>n/a</b>    | <b>n/a</b> |
| Household Fire      | 31.16% (325)             | 37.97% (396)                  | 20.23% (211)     | 6.62% (69)                | 4.03% (42)                     | <b>1043</b>               | <b>n/a</b>    | <b>n/a</b> |
| Landslide           | 72.65% (757)             | 17.75% (185)                  | 6.72% (70)       | 2.11% (22)                | 0.77% (8)                      | <b>1042</b>               | <b>n/a</b>    | <b>n/a</b> |
| Severe Weather      | 21.13% (221)             | 35.37% (370)                  | 26.96% (282)     | 12.43% (130)              | 4.11% (43)                     | <b>1046</b>               | <b>n/a</b>    | <b>n/a</b> |
| Wildfire            | 20.83% (217)             | 26.3% (274)                   | 22.84% (238)     | 16.89% (176)              | 13.15% (137)                   | <b>1042</b>               | <b>n/a</b>    | <b>n/a</b> |
| Volcano (Ash fall)  | 67.98% (705)             | 18.9% (196)                   | 9.45% (98)       | 2.51% (26)                | 1.16% (12)                     | <b>1037</b>               | <b>n/a</b>    | <b>n/a</b> |
| Radiological Event  | 58.28% (602)             | 24.01% (248)                  | 10.75% (111)     | 4.07% (42)                | 2.9% (30)                      | <b>1033</b>               | <b>n/a</b>    | <b>n/a</b> |
| Utility Failure     | 16.18% (168)             | 35.65% (370)                  | 27.65% (287)     | 14.16% (147)              | 6.36% (66)                     | <b>1038</b>               | <b>n/a</b>    | <b>n/a</b> |
| Cyber Disruption    | 19.02% (198)             | 28.53% (297)                  | 27.28% (284)     | 16.81% (175)              | 8.36% (87)                     | <b>1041</b>               | <b>n/a</b>    | <b>n/a</b> |
| Other               | 69.88% (297)             | 9.88% (42)                    | 12.47% (53)      | 4.24% (18)                | 3.53% (15)                     | <b>425</b>                | <b>n/a</b>    | <b>n/a</b> |

**Total Respondents 1078**

(skipped this question) 2459

5. Which of the following steps has your household taken to prepare for a hazard event?(Check all that apply)

|  | <b>Response<br/>Total</b> | <b>Response<br/>Percent</b> | <b>Points</b> | <b>Avg</b> |
|--|---------------------------|-----------------------------|---------------|------------|
| Received first aid/CPR training  | <b>663</b>                | <b>63%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Made a fire escape plan  | <b>476</b>                | <b>45%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Created a household preparedness plan (designated a meeting place, etc.) | <b>333</b>                | <b>32%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Identified utility shutoffs  | <b>678</b>                | <b>64%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Stored sand bags   | <b>39</b>                 | <b>4%</b>                   | <b>n/a</b>    | <b>n/a</b> |
| Prepared a disaster supply kit   | <b>338</b>                | <b>32%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Installed smoke detectors on each level of the house                     | <b>954</b>                | <b>90%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Stored food and water  | <b>587</b>                | <b>56%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Stored flashlights and batteries   | <b>811</b>                | <b>77%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Purchased and learned how to program a NOAA Weather Radio                | <b>141</b>                | <b>13%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Stored a battery-powered radio   | <b>358</b>                | <b>34%</b>                  | <b>n/a</b>    | <b>n/a</b> |
| Stored a fire extinguisher   | <b>789</b>                | <b>75%</b>                  | <b>n/a</b>    | <b>n/a</b> |

|   |             |                |                  |        |     |
|---|-------------|----------------|------------------|--------|-----|
| Stored medical supplies (first aid kit, medications)  | <div></div> | 787            | 74%              | n/a    | n/a |
| Purchased natural hazard insurance (Flood, Earthquake, Wildfire)  | <div></div> | 138            | 13%              | n/a    | n/a |
| Established a "defensible space" around your home   | <div></div> | 280            | 26%              | n/a    | n/a |
| Use of fire resistive landscapes  | <div></div> | 174            | 16%              | n/a    | n/a |
| Have anchored service utilities to my home (water heater, furnace, wood stove, etc.)  | <div></div> | 277            | 26%              | n/a    | n/a |
| Signed up for Code Red  | <div></div> | 322            | 30%              | n/a    | n/a |
| Planned for loss of cell service  | <div></div> | 174            | 16%              | n/a    | n/a |
| None  | <div></div> | 25             | 2%               | n/a    | n/a |
| Other, please specify <div>view</div>   | <div></div> | 35             | 3%               | n/a    | n/a |
| Total Respondents 1057  |             |                |                  |        |     |
| (skipped this question) 2480  |             |                |                  |        |     |
| 6. Which of the following methods do you think are most effective for providing hazard and disaster information? (Check all that apply) |             |                |                  |        |     |
|   |             | Response Total | Response Percent | Points | Avg |
| Newspaper   | <div></div> | 225            | 22%              | n/a    | n/a |
| Informational Brochures   | <div></div> | 235            | 23%              | n/a    | n/a |
| City Newsletters  | <div></div> | 231            | 22%              | n/a    | n/a |
| Public Meetings   | <div></div> | 211            | 21%              | n/a    | n/a |
| Workshops   | <div></div> | 160            | 16%              | n/a    | n/a |
| Schools   | <div></div> | 259            | 25%              | n/a    | n/a |
| TV News   | <div></div> | 624            | 61%              | n/a    | n/a |
| TV Ads  | <div></div> | 294            | 29%              | n/a    | n/a |
| Radio News  | <div></div> | 577            | 56%              | n/a    | n/a |
| Radio Ads   | <div></div> | 304            | 30%              | n/a    | n/a |
| Internet  | <div></div> | 778            | 76%              | n/a    | n/a |
| Outdoor Advertisements  | <div></div> | 188            | 18%              | n/a    | n/a |
| Fire Department/Rescue  | <div></div> | 369            | 36%              | n/a    | n/a |
| Law Enforcement   | <div></div> | 366            | 36%              | n/a    | n/a |
| Church (faith-based institutions)   | <div></div> | 223            | 22%              | n/a    | n/a |
| CERT Classes  | <div></div> | 122            | 12%              | n/a    | n/a |
| Public Awareness Campaign (e.g., Flood Awareness Week, Winter Storm Preparedness Month)   | <div></div> | 481            | 47%              | n/a    | n/a |
| Books   | <div></div> | 59             | 6%               | n/a    | n/a |
| Chamber of Commerce   | <div></div> | 68             | 7%               | n/a    | n/a |
| Academic Institutions   | <div></div> | 119            | 12%              | n/a    | n/a |
| Public Library  | <div></div> | 241            | 23%              | n/a    | n/a |





















|  |  |                         |                  |        |     |
|--|--|-------------------------|------------------|--------|-----|
| Red Cross Information  |  | 254                     | 25%              | n/a    | n/a |
| Community Safety Events  |  | 307                     | 30%              | n/a    | n/a |
| Fair Booths  |  | 183                     | 18%              | n/a    | n/a |
| Word of Mouth  |  | 266                     | 26%              | n/a    | n/a |
| Social Media (Twitter, Facebook, LinkedIn, NextDoor)             |  | 632                     | 61%              | n/a    | n/a |
| Auto-dial information from "9-1-1" center                        |  | 252                     | 24%              | n/a    | n/a |
| YouTube/Streaming Service  |  | 186                     | 18%              | n/a    | n/a |
| Employer   |  | 251                     | 24%              | n/a    | n/a |
| Smart Phone  |  | 597                     | 58%              | n/a    | n/a |
| Other, please specify  |  | 35                      | 3%               | n/a    | n/a |
| <a href="#">view</a>   |  |                         |                  |        |     |
| Total Respondents  |  | 1029                    |                  |        |     |
|  |  | (skipped this question) | 2508             |        |     |
| 7. Is your property located in or near an identified floodplain? |  |                         |                  |        |     |
|  |  | Response Total          | Response Percent | Points | Avg |
| Yes  |  | 140                     | 14%              | n/a    | n/a |
| No   |  | 734                     | 73%              | n/a    | n/a |
| Not Sure   |  | 138                     | 14%              | n/a    | n/a |
| Total Respondents  |  | 1012                    | 100%             |        |     |
|  |  | (skipped this question) | 2525             |        |     |
| 8. Do you have flood insurance?                                  |  |                         |                  |        |     |
|  |  | Response Total          | Response Percent | Points | Avg |
| Yes  |  | 78                      | 8%               | n/a    | n/a |
| No   |  | 846                     | 84%              | n/a    | n/a |
| Not Sure   |  | 79                      | 8%               | n/a    | n/a |
| Total Respondents  |  | 1003                    | 100%             |        |     |
|  |  | (skipped this question) | 2534             |        |     |
| 9. Is your property located near an earthquake fault?            |  |                         |                  |        |     |
|  |  | Response Total          | Response Percent | Points | Avg |
| Yes  |  | 65                      | 6%               | n/a    | n/a |
| No   |  | 502                     | 50%              | n/a    | n/a |
| Not Sure   |  | 440                     | 44%              | n/a    | n/a |
| Total Respondents  |  | 1007                    | 100%             |        |     |
|  |  | (skipped this question) | 2530             |        |     |
| 10. Do you have earthquake insurance?                            |  |                         |                  |        |     |
|  |  | Response Total          | Response Percent | Points | Avg |
| Yes  |  | 49                      | 5%               | n/a    | n/a |
| No   |  | 829                     | 82%              | n/a    | n/a |
| Not Sure   |  | 130                     | 13%              | n/a    | n/a |
| Total Respondents  |  | 1008                    | 100%             |        |     |
|  |  | (skipped this question) | 2529             |        |     |
| 11. Is your property located in an area at risk for wildfires?   |  |                         |                  |        |     |
|  |  | Response Total          | Response Percent | Points | Avg |
| Yes  |  | 189                     | 19%              | n/a    | n/a |
| No   |  | 667                     | 67%              | n/a    | n/a |

|  |  |                |                  |        |     |
|--|--|----------------|------------------|--------|-----|
| Not Sure   |  | 144            | 14%              | n/a    | n/a |
| Total Respondents  |  | 1000           | 100%             |        |     |
| (skipped this question)  |  | 2537           |                  |        |     |
| 12. Have you ever had problems getting homeowner's or renter's insurance due to risks from natural hazards?  |  |                |                  |        |     |
|  |  | Response Total | Response Percent | Points | Avg |
| Yes  |  | 5              | 0%               | n/a    | n/a |
| No   |  | 943            | 94%              | n/a    | n/a |
| Not Sure   |  | 43             | 4%               | n/a    | n/a |
| If "Yes," which natural hazard was involved?   |  | 14             | 1%               | n/a    | n/a |
| <a href="#">view</a>   |  |                |                  |        |     |
| Total Respondents  |  | 1004           | 100%             |        |     |
| (skipped this question)  |  | 2533           |                  |        |     |
| 13. Do you have any special access or functional needs within your household that would require early warning or specialized response during disasters?  |  |                |                  |        |     |
|  |  | Response Total | Response Percent | Points | Avg |
| Yes  |  | 100            | 10%              | n/a    | n/a |
| No   |  | 893            | 90%              | n/a    | n/a |
| Total Respondents  |  | 993            |                  |        |     |
| (skipped this question)  |  | 2544           |                  |        |     |
| 14. If residence is in a hazard risk zone (e.g., dam failure zone, flood zone, landslide hazard area, high fire risk area) was this disclosed to you by a real estate agent, seller, or landlord before you purchased or moved into your home?   |  |                |                  |        |     |
|  |  | Response Total | Response Percent | Points | Avg |
| Yes  |  | 90             | 9%               | n/a    | n/a |
| No   |  | 196            | 20%              | n/a    | n/a |
| Not Sure   |  | 132            | 14%              | n/a    | n/a |
| Not Applicable   |  | 551            | 57%              | n/a    | n/a |
| Total Respondents  |  | 969            | 100%             |        |     |
| (skipped this question)  |  | 2568           |                  |        |     |
| 15. If you own your home, which of the following incentives would encourage you to spend money to retrofit your home to protect against disasters? (Check all that apply)  |  |                |                  |        |     |
|  |  | Response Total | Response Percent | Points | Avg |
| Insurance premium discount   |  | 556            | 57%              | n/a    | n/a |
| Mortgage discount  |  | 282            | 29%              | n/a    | n/a |
| Low interest rate loan   |  | 212            | 22%              | n/a    | n/a |
| Grant funding  |  | 378            | 39%              | n/a    | n/a |
| "Rebate" program   |  | 516            | 53%              | n/a    | n/a |
| None   |  | 73             | 7%               | n/a    | n/a |
| Not Applicable   |  | 141            | 14%              | n/a    | n/a |
| Other, please specify  |  | 25             | 3%               | n/a    | n/a |
| <a href="#">view</a>   |  |                |                  |        |     |
| Total Respondents  |  | 975            |                  |        |     |
| (skipped this question)  |  | 2562           |                  |        |     |
| 16. If you own a home, how much money would you be willing to spend to retrofit your home to reduce risks associated with disasters? (for example, by elevating a home above the flood level, performing seismic upgrades, or replacing a combustible roof with non-combustible roofing) |  |                |                  |        |     |
|  |  | Response Total | Response Percent | Points | Avg |
| \$10,000 or above  |  | 81             | 8%               | n/a    | n/a |
| \$5,000 to \$9,999   |  | 148            | 15%              | n/a    | n/a |
| \$1,000 to \$4,999   |  | 183            | 19%              | n/a    | n/a |
| Less than \$1,000  |  | 67             | 7%               | n/a    | n/a |

|  |              |                         |                  |                |            |
|--|--------------|-------------------------|------------------|----------------|------------|
| Nothing  | <div></div>  | 46                      | 5%               | n/a            | n/a        |
| Not Sure   | <div></div>  | 229                     | 24%              | n/a            | n/a        |
| Not Applicable   | <div></div>  | 211                     | 22%              | n/a            | n/a        |
| Total Respondents  |              | 965                     | 100%             |                |            |
|  |              | (skipped this question) | 2572             |                |            |
| 17. How supportive are you of the restriction on land use within known high-hazard areas?  |              |                         |                  |                |            |
|  |              | Response Total          | Response Percent | Points         | Avg        |
| Very supportive  | <div></div>  | 533                     | 55%              | n/a            | n/a        |
| Not very supportive  | <div></div>  | 70                      | 7%               | n/a            | n/a        |
| Somewhat supportive  | <div></div>  | 218                     | 22%              | n/a            | n/a        |
| Adamantly oppose   | <div></div>  | 40                      | 4%               | n/a            | n/a        |
| noncommittal   | <div></div>  | 109                     | 11%              | n/a            | n/a        |
| Total Respondents  |              | 970                     | 100%             |                |            |
|  |              | (skipped this question) | 2567             |                |            |
| 18. What types of projects do you believe the Local, State or Federal agencies should be doing in order to reduce damage and disruption from hazard events within Ada County? Please rank each option as a high, medium or low priority.                       |              |                         |                  |                |            |
|  | High         | Medium                  | Low              | Response Total | Points Avg |
| Retrofit and strengthen essential facilities such as police, fire, schools and hospitals.  | 58.73% (545) | 34.16% (317)            | 7.11% (66)       | 928            | n/a n/a    |
| Retrofit infrastructure such as roads, bridges, drainage facilities, levees, water supply, waste water and power supply facilities.  | 81.31% (757) | 16% (149)               | 2.69% (25)       | 931            | n/a n/a    |
| Fund capital projects such as dams, levees, flood walls, drainage improvements and bank stabilization projects.  | 50.49% (468) | 38.4% (356)             | 11.11% (103)     | 927            | n/a n/a    |
| Strengthen codes and regulations to include higher regulatory standards in hazard areas.   | 43.07% (398) | 39.61% (366)            | 17.32% (160)     | 924            | n/a n/a    |
| Acquire at-risk properties and maintain as open space.   | 33.87% (313) | 35.93% (332)            | 30.19% (279)     | 924            | n/a n/a    |
| Assist at-risk property owners with securing funding for mitigation.   | 23.68% (216) | 44.85% (409)            | 31.47% (287)     | 912            | n/a n/a    |
| Provide better public information about risk, and the exposure to hazards within the operational area.   | 52% (481)    | 38.92% (360)            | 9.08% (84)       | 925            | n/a n/a    |
| Implement projects that restore the natural environments capacity to absorb the impacts from natural hazards.  | 57.24% (530) | 32.72% (303)            | 10.04% (93)      | 926            | n/a n/a    |
| Implement projects that mitigate the potential impacts from climate change.  | 45.37% (421) | 24.57% (228)            | 30.06% (279)     | 928            | n/a n/a    |
| Total Respondents  |              | 939                     |                  |                |            |
|  |              | (skipped this question) |                  | 2598           |            |
| 19. Please indicate how you feel about the following statement:It is the responsibility of government (local, state and federal) to provide education and programs that promotecitizen actions that will reduce exposure to the risks associated with hazards. |              |                         |                  |                |            |
|  |              | Response Total          | Response Percent | Points         | Avg        |
| Strongly Disagree  | <div></div>  | 64                      | 7%               | n/a            | n/a        |
| Somewhat Disagree  | <div></div>  | 81                      | 9%               | n/a            | n/a        |



|   |                        |                         |                  |        |     |
|---|------------------------|-------------------------|------------------|--------|-----|
| Neither Agree nor Disagree  | <div><div></div></div> | 112                     | 12%              | n/a    | n/a |
| Somewhat Agree  | <div><div></div></div> | 402                     | 43%              | n/a    | n/a |
| Strongly Agree  | <div><div></div></div> | 280                     | 30%              | n/a    | n/a |
| Total Respondents   |                        | 939                     | 100%             |        |     |
|   |                        | (skipped this question) | 2598             |        |     |
| 20. Please indicate how you feel about the following statement:It is my responsibility to educate myself and take actions that will reduce my exposure to the risks associatedwith natural hazards. |                        |                         |                  |        |     |
|   |                        | Response Total          | Response Percent | Points | Avg |
| Strongly Disagree   | <div><div></div></div> | 37                      | 4%               | n/a    | n/a |
| Somewhat Disagree   | <div><div></div></div> | 18                      | 2%               | n/a    | n/a |
| Neither Agree nor Disagree  | <div><div></div></div> | 27                      | 3%               | n/a    | n/a |
| Somewhat Agree  | <div><div></div></div> | 312                     | 33%              | n/a    | n/a |
| Strongly Agree  | <div><div></div></div> | 547                     | 58%              | n/a    | n/a |
| Total Respondents   |                        | 941                     | 100%             |        |     |
|   |                        | (skipped this question) | 2596             |        |     |
| 21. Please indicate how you feel about the following statement:Information about the risks associated with hazards is readily available and easy to locate.   |                        |                         |                  |        |     |
|   |                        | Response Total          | Response Percent | Points | Avg |
| Strongly Disagree   | <div><div></div></div> | 81                      | 9%               | n/a    | n/a |
| Somewhat Disagree   | <div><div></div></div> | 228                     | 24%              | n/a    | n/a |
| Neither Agree nor Disagree  | <div><div></div></div> | 278                     | 30%              | n/a    | n/a |
| Somewhat Agree  | <div><div></div></div> | 266                     | 28%              | n/a    | n/a |
| Strongly Agree  | <div><div></div></div> | 87                      | 9%               | n/a    | n/a |
| Total Respondents   |                        | 940                     | 100%             |        |     |
|   |                        | (skipped this question) | 2597             |        |     |
| 22. Please indicate your age range:   |                        |                         |                  |        |     |
|   |                        | Response Total          | Response Percent | Points | Avg |
| Under 18  |                        | 0                       | 0%               | n/a    | n/a |
| 18 to 30  | <div><div></div></div> | 56                      | 6%               | n/a    | n/a |
| 31 to 40  | <div><div></div></div> | 103                     | 11%              | n/a    | n/a |
| 41 to 50  | <div><div></div></div> | 148                     | 16%              | n/a    | n/a |
| 51 to 60  | <div><div></div></div> | 200                     | 21%              | n/a    | n/a |
| 61 or older   | <div><div></div></div> | 429                     | 46%              | n/a    | n/a |
| Total Respondents   |                        | 936                     | 100%             |        |     |
|   |                        | (skipped this question) | 2601             |        |     |
| 23. How many people currently live in your household?   |                        |                         |                  |        |     |
|   |                        | Response Total          | Response Percent | Points | Avg |
| 1   | <div><div></div></div> | 149                     | 16%              | n/a    | n/a |
| 2   | <div><div></div></div> | 452                     | 48%              | n/a    | n/a |
| 3   | <div><div></div></div> | 150                     | 16%              | n/a    | n/a |
| 4   | <div><div></div></div> | 117                     | 12%              | n/a    | n/a |
| 5   | <div><div></div></div> | 43                      | 5%               | n/a    | n/a |
| 6   | <div><div></div></div> | 21                      | 2%               | n/a    | n/a |
| 7 or more   | <div><div></div></div> | 5                       | 1%               | n/a    | n/a |
| Total Respondents   |                        | 937                     | 100%             |        |     |
|   |                        | (skipped this question) | 2600             |        |     |
| 24. Please indicate the primary language spoken in your household.  |                        |                         |                  |        |     |
|   |                        | Response Total          | Response Percent | Points | Avg |
| English   | <div><div></div></div> | 925                     | 99%              | n/a    | n/a |

|   |   |                         |                  |        |     |
|---|---|-------------------------|------------------|--------|-----|
| Spanish   |   | 0                       | 0%               | n/a    | n/a |
| Other Indo-European Languages   |   | 2                       | 0%               | n/a    | n/a |
| Asian and Pacific Island Languages  |   | 1                       | 0%               | n/a    | n/a |
| Other, please specify    |   | 6                       | 1%               | n/a    | n/a |
| <a href="#">view</a>  |   |                         |                  |        |     |
| Total Respondents   |   | 934                     | 100%             |        |     |
|   |   | (skipped this question) | 2603             |        |     |
| 25. Please indicate your gender:  |   |                         |                  |        |     |
|   |   | Response Total          | Response Percent | Points | Avg |
| Male  |    | 360                     | 39%              | n/a    | n/a |
| Female  |    | 555                     | 60%              | n/a    | n/a |
| Non-binary  |    | 8                       | 1%               | n/a    | n/a |
| Total Respondents   |   | 923                     | 100%             |        |     |
|   |   | (skipped this question) | 2614             |        |     |
| 26. Please indicate your highest level of education.  |   |                         |                  |        |     |
|   |   | Response Total          | Response Percent | Points | Avg |
| Grade school/No schooling   |   | 2                       | 0%               | n/a    | n/a |
| Some high school  |   | 3                       | 0%               | n/a    | n/a |
| High school graduate/GED  |    | 42                      | 5%               | n/a    | n/a |
| Some college/Trade school   |  | 223                     | 24%              | n/a    | n/a |
| College degree  |  | 426                     | 46%              | n/a    | n/a |
| Graduate degree   |  | 229                     | 25%              | n/a    | n/a |
| Other, please specify  |   | 6                       | 1%               | n/a    | n/a |
| <a href="#">view</a>  |   |                         |                  |        |     |
| Total Respondents   |   | 931                     | 100%             |        |     |
|   |   | (skipped this question) | 2606             |        |     |
| 27. How long have you lived in Ada County?  |   |                         |                  |        |     |
|   |   | Response Total          | Response Percent | Points | Avg |
| Less than 1 year  |  | 20                      | 2%               | n/a    | n/a |
| 1 to 5 years  |  | 167                     | 18%              | n/a    | n/a |
| 6 to 10 years   |  | 122                     | 13%              | n/a    | n/a |
| 11 to 20 years  |  | 154                     | 16%              | n/a    | n/a |
| More than 20 years  |  | 460                     | 49%              | n/a    | n/a |
| I do not live in Ada County   |  | 14                      | 1%               | n/a    | n/a |
| Total Respondents   |   | 937                     | 100%             |        |     |
|   |   | (skipped this question) | 2600             |        |     |
| 28. How much is your gross household income?  |   |                         |                  |        |     |
|   |   | Response Total          | Response Percent | Points | Avg |
| \$20,000 or less  |  | 22                      | 2%               | n/a    | n/a |
| \$20,001 to \$49,999  |  | 100                     | 11%              | n/a    | n/a |
| \$50,000 to \$74,999  |  | 183                     | 20%              | n/a    | n/a |
| \$75,000 to \$99,999  |  | 171                     | 19%              | n/a    | n/a |
| \$100,000 or more   |  | 352                     | 38%              | n/a    | n/a |

|                   |  |                         |      |     |     |
|-------------------|--|-------------------------|------|-----|-----|
| Not Sure          |  | 87                      | 10%  | n/a | n/a |
| Total Respondents |  | 915                     | 100% |     |     |
|                   |  | (skipped this question) | 2622 |     |     |
| 29. Comments      |  |                         |      |     |     |
| Total Respondents |  | 173                     |      |     |     |
|                   |  | (skipped this question) | 3364 |     |     |



## **Appendix B. Summary of Federal and State Agencies, Programs and Regulations**

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## B. SUMMARY OF FEDERAL AND STATE AGENCIES, PROGRAMS AND REGULATIONS

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Existing laws, ordinances, plans and programs at the federal and state level can support or impact hazard mitigation actions identified in this plan. Hazard mitigation plans are required to include a review and incorporation, if appropriate, of existing plans, studies, reports, and technical information as part of the planning process (44 CFR, Section 201.6(b)(3)). The following federal and state programs have been identified as programs that may interface with the actions identified in this plan. Each program enhances capabilities to implement mitigation actions or has a nexus with a mitigation action in this plan. Information presented in this section can be used to review local capabilities to implement the actions found in the jurisdictional annexes of Volume 2. Each planning partner has individually reviewed existing local plans, studies, reports, and technical information in its jurisdictional annex, presented in Volume 2.

### FEDERAL

#### Americans with Disabilities Act

The Americans with Disabilities Act (ADA) seeks to prevent discrimination against people with disabilities in employment, transportation, public accommodation, communications, and government activities. Title II of the ADA deals with compliance with the Act in emergency management and disaster-related programs, services, and activities. It applies to state and local governments as well as third parties, including religious entities and private nonprofit organizations.

The ADA has implications for sheltering requirements and public notifications. During an emergency alert, officials must use a combination of warning methods to ensure that all community members have all necessary information. Those with hearing impairments may not hear radio, television, sirens, or other audible alerts, while those with visual impairments may not see flashing lights or other visual alerts. Two technical documents for shelter operators address physical accessibility needs of people with disabilities, as well as medical needs and service animals.

The ADA intersects with disaster preparedness programs in regards to transportation, social services, temporary housing, and rebuilding. Persons with disabilities may require additional assistance in evacuation and transit (e.g., vehicles with wheelchair lifts or paratransit buses). Evacuation and other response plans should address the unique needs of community members. Local governments may be interested in implementing a special-needs registry to identify the home addresses, contact information, and needs for community members who may require more assistance.

FEMA hazard mitigation project grant applications require full compliance with applicable federal acts. Any action identified in this plan that falls within the scope of this act will need to meet its requirements.

## **Bureau of Land Management**

The U.S. Bureau of Land Management (BLM) funds and coordinates wildfire management programs and structural fire management and prevention on BLM lands. BLM works closely with the Forest Service and state and local governments to coordinate fire safety activities. The Interagency Fire Coordination Center in Boise, Idaho serves as the center for this effort.

## **Civil Rights Act**

The Civil Rights Act of 1964 prohibits discrimination based on race, color, religion, sex or nation origin and requires equal access to public places and employment. The Act is relevant to emergency management and hazard mitigation in that it prohibits local governments from favoring the needs of one population group over another. Local government and emergency response must ensure the continued safety and well-being of all community members equally, to the extent possible. FEMA hazard mitigation project grant applications require full compliance with applicable federal acts. Any action identified in this plan that falls within the scope of this act will need to meet its requirements.

## **Clean Water Act**

The federal Clean Water Act (CWA) employs regulatory and non-regulatory tools to reduce direct pollutant discharges into waterways, finance municipal wastewater treatment facilities, and manage polluted runoff. These tools are employed to achieve the broader goal of restoring and maintaining the chemical, physical, and biological integrity of the nation's surface waters so that they can support "the protection and propagation of fish, shellfish, and wildlife and recreation in and on the water."

Evolution of CWA programs over the last decade has included a shift from a program-by-program, source-by-source, and pollutant-by-pollutant approach to more holistic watershed-based strategies. Under the watershed approach, equal emphasis is placed on protecting healthy waters and restoring impaired ones. Numerous issues are addressed, not just those subject to CWA regulatory authority. Involvement of stakeholder groups in the development and implementation of strategies for achieving and maintaining water quality and other environmental goals is a hallmark of this approach.

The CWA is important to hazard mitigation in several ways. There are often permitting requirements for any construction within 200 feet of water of the United States, which may have implications for mitigation projects identified by a local jurisdiction. Additionally, CWA requirements apply to wetlands, which serve important functions related to preserving and protecting the natural and beneficial functions of floodplains and are linked with a community's floodplain management program. Finally, the National Pollutant Discharge Elimination System is part of the CWA and addresses local stormwater management programs. Stormwater management plays a critical role in hazard mitigation by addressing urban drainage or localized flooding issues within jurisdictions.

FEMA hazard mitigation project grant applications require full compliance with applicable federal acts. Any action identified in this plan that falls within the scope of this act will need to meet its requirements.



## Community Development Block Grant Disaster Resilience Program

In response to disasters, Congress may appropriate additional funding for the U.S. Department of Housing and Urban Development Community Development Block Grant programs to be distributed as Disaster Recovery grants (CDBG-DR). These grants can be used to rebuild affected areas and provide seed money to start the recovery process. CDBG-DR assistance may fund a broad range of recovery activities, helping communities and neighborhoods that otherwise might not recover due to limited resources. CDBG-DR grants often supplement disaster programs of FEMA, the Small Business Administration, and the U.S. Army Corps of Engineers. Housing and Urban Development generally awards noncompetitive, nonrecurring CDBG-DR grants by a formula that considers disaster recovery needs unmet by other federal disaster assistance programs. To be eligible for CDBG-DR funds, projects must meet the following criteria:

- Address a disaster-related impact (direct or indirect) in a presidentially declared county for the covered disaster
- Be a CDBG-eligible activity (according to regulations and waivers)
- Meet a national objective.

Incorporating preparedness and mitigation into these actions is encouraged, as the goal is to rebuild in ways that are safer and stronger. CDBG-DR funding is a potential alternative source of funding for actions identified in this plan.

## Community Rating System

The CRS is a voluntary program within the NFIP that encourages floodplain management activities that exceed the minimum NFIP requirements. Flood insurance premiums are discounted to reflect the reduced flood risk resulting from community actions meeting the following three goals of the CRS:

- Reduce flood losses.
- Facilitate accurate insurance rating.
- Promote awareness of flood insurance.

For participating communities, flood insurance premium rates are discounted in increments of 5 percent. For example, a Class 1 community would receive a 45 percent premium discount, and a Class 9 community would receive a 5 percent discount. (Class 10 communities are those that do not participate in the CRS; they receive no discount.) The discount partially depends on location of the property. Properties outside the special flood hazard area receive smaller discounts: a 10-percent discount if the community is at Class 1 to 6 and a 5-percent discount if the community is at Class 7 to 9. The CRS classes for local communities are based on 18 creditable activities in the following categories:

- Public information
- Mapping and regulations
- Flood damage reduction
- Flood preparedness.

CRS activities can help to save lives and reduce property damage. Communities participating in the CRS represent a significant portion of the nation's flood risk; over 66 percent of the NFIP's policy base is located in

these communities. Communities receiving premium discounts through the CRS range from small to large and represent a broad mixture of flood risks, including both coastal and riverine flood risks.

## **Disaster Mitigation Act**

The DMA is the current federal legislation addressing hazard mitigation planning. It emphasizes planning for disasters before they occur. It specifically addresses planning at the local level, requiring plans to be in place before Hazard Mitigation Assistance grant funds are available to communities. This plan is designed to meet the requirements of DMA, improving eligibility for future hazard mitigation funds.

## **Emergency Relief for Federally Owned Roads Program**

The U.S. Forest Service's Emergency Relief for Federally Owned Roads Program was established to assist federal agencies with repair or reconstruction of tribal transportation facilities, federal lands transportation facilities, and other federally owned roads that are open to public travel and have suffered serious damage by a natural disaster over a wide area or by a catastrophic failure. The program funds both emergency and permanent repairs. Eligible activities under this program meet some of the goals and objectives for this plan and the program is a possible funding source for actions identified in this plan.

## **Emergency Watershed Program**

The USDA Natural Resources Conservation Service (NRCS) administers the Emergency Watershed Protection (EWP) Program, which responds to emergencies created by natural disasters. Eligibility for assistance is not dependent on a national emergency declaration. The program is designed to help people and conserve natural resources by relieving imminent hazards to life and property caused by floods, fires, windstorms, and other natural occurrences. EWP is an emergency recovery program. Financial and technical assistance are available for the following activities (Natural Resources Conservation Service, 2018):

- Remove debris from stream channels, road culverts, and bridges
- Reshape and protect eroded banks
- Correct damaged drainage facilities
- Establish cover on critically eroding lands
- Repair levees and structures
- Repair conservation practices.

This federal program could be a possible funding source for actions identified in this plan.

## **Endangered Species Act**

The federal Endangered Species Act (ESA) was enacted in 1973 to conserve species facing depletion or extinction and the ecosystems that support them. The act sets forth a process for determining which species are threatened and endangered and requires the conservation of the critical habitat in which those species live. The ESA provides broad protection for species of fish, wildlife and plants that are listed as threatened or endangered. Provisions are made for listing species, as well as for recovery plans and the designation of critical habitat for listed species. The ESA outlines procedures for federal agencies to follow when taking actions that may jeopardize listed species and

contains exceptions and exemptions. It is the enabling legislation for the Convention on International Trade in Endangered Species of Wild Fauna and Flora. Criminal and civil penalties are provided for violations of the ESA and the Convention.

Federal agencies must seek to conserve endangered and threatened species and use their authorities in furtherance of the ESA's purposes. The ESA defines three fundamental terms:

- Endangered means that a species of fish, animal or plant is “in danger of extinction throughout all or a significant portion of its range.” (For salmon and other vertebrate species, this may include subspecies and distinct population segments.)
- Threatened means that a species “is likely to become endangered within the foreseeable future.” Regulations may be less restrictive for threatened species than for endangered species.
- Critical habitat means “specific geographical areas that are...essential for the conservation and management of a listed species, whether occupied by the species or not.”

Five sections of the ESA are of critical importance to understanding it:

- Section 4: Listing of a Species—The National Oceanic and Atmospheric Administration Fisheries Service (NOAA Fisheries) is responsible for listing marine species; the U.S. Fish and Wildlife Service is responsible for listing terrestrial and freshwater aquatic species. The agencies may initiate reviews for listings, or community members may petition for them. A listing must be made “solely on the basis of the best scientific and commercial data available.” After a listing has been proposed, agencies receive comment and conduct further scientific reviews for 12 to 18 months, after which they must decide if the listing is warranted. Economic impacts cannot be considered in this decision, but it may include an evaluation of the adequacy of local and state protections. Critical habitat for the species may be designated at the time of listing.
- Section 7: Consultation—Federal agencies must ensure that any action they authorize, fund, or carry out is not likely to jeopardize the continued existence of a listed or proposed species or adversely modify its critical habitat. This includes private and public actions that require a federal permit. Once a final listing is made, non-federal actions are subject to the same review, termed a “consultation.” If the listing agency finds that an action will “take” a species, it must propose mitigations or “reasonable and prudent” alternatives to the action; if the proponent rejects these, the action cannot proceed.
- Section 9: Prohibition of Take—It is unlawful to “take” an endangered species, including killing or injuring it or modifying its habitat in a way that interferes with essential behavioral patterns, including breeding, feeding or sheltering.
- Section 10: Permitted Take—Through voluntary agreements with the federal government that provide protections to an endangered species, a non-federal applicant may commit a take that would otherwise be prohibited as long as it is incidental to an otherwise lawful activity (such as developing land or building a road). These agreements often take the form of a “Habitat Conservation Plan.”
- Section 11: Citizen Lawsuits—Civil actions initiated by any citizen can require the listing agency to enforce the ESA's prohibition of taking or to meet the requirements of the consultation process.

FEMA hazard mitigation project grant applications require full compliance with applicable federal acts. Any action identified in this plan that falls within the scope of this act will need to meet its requirements.

## **Federal Energy Regulatory Commission Dam Safety Program**

The Federal Energy Regulatory Commission (FERC) cooperates with a large number of federal and state agencies to ensure and promote dam safety. More than 3,000 dams are part of regulated hydroelectric projects in the FERC program. Two-thirds of these are more than 50 years old. As dams age, concern about their safety and integrity grows, so oversight and regular inspection are important. FERC inspects hydroelectric projects on an unscheduled basis to investigate the following:

- Potential dam safety problems
- Complaints about constructing and operating a project
- Safety concerns related to natural disasters
- Issues concerning compliance with the terms and conditions of a license.

Every five years, an independent engineer approved by the FERC must inspect and evaluate projects with dams higher than 32.8 feet (10 meters), or with a total storage capacity of more than 2,000 acre-feet.

FERC monitors seismic research and applies it in performing structural analyses of hydroelectric projects. FERC also evaluates the effects of potential and actual large floods on the safety of dams. During and following floods, FERC visits dams and licensed projects, determines the extent of damage, if any, and directs any necessary studies or remedial measures the licensee must undertake. The FERC publication *Engineering Guidelines for the Evaluation of Hydropower Projects* guides the FERC engineering staff and licensees in evaluating dam safety. The publication is frequently revised to reflect current information and methodologies.

FERC requires licensees to prepare emergency action plans and conducts training sessions on how to develop and test these plans. The plans outline an early warning system if there is an actual or potential sudden release of water from a dam due to failure. The plans include operational procedures that may be used, such as reducing reservoir levels and reducing downstream flows, as well as procedures for notifying affected community members and agencies responsible for emergency management. These plans are frequently updated and tested to ensure that everyone knows what to do in emergency situations.

## **Federal Wildfire Management Policy and Healthy Forests Restoration Act**

Federal Wildfire Management Policy and Healthy Forests Restoration Act (2003). These documents call for a single comprehensive federal fire policy for the Interior and Agriculture Departments (the agencies using federal fire management resources). They mandate community-based collaboration to reduce risks from wildfire.

## **National Dam Safety Act**

Potential for catastrophic flooding due to dam failures led to passage of the National Dam Inspection Act in 1972, creation of the National Dam Safety Program in 1996, and reauthorization of the program through the Dam Safety Act in 2006. National Dam Safety Program, administered by FEMA requires a periodic engineering analysis of the majority of dams in the country; exceptions include the following:

- Dams under jurisdiction of the Bureau of Reclamation, Tennessee Valley Authority, or International Boundary and Water Commission
- Dams constructed pursuant to licenses issued under the Federal Power Act

- Dams that the Secretary of the Army determines do not pose any threat to human life or property.

The goal of this FEMA-monitored effort is to identify and mitigate the risk of dam failure so as to protect lives and property of the public. The National Dam Safety Program is a partnership among the states, federal agencies, and other stakeholders that encourages individual and community responsibility for dam safety. Under FEMA's leadership, state assistance funds have allowed all participating states to improve their programs through increased inspections, emergency action planning, and purchases of needed equipment. FEMA has also expanded existing and initiated new training programs. Grant assistance from FEMA provides support for improvement of dam safety programs that regulate most of the dams in the United States.

## **National Environmental Policy Act**

The National Environmental Policy Act requires federal agencies to consider the environmental impacts of proposed actions and reasonable alternatives to those actions, alongside technical and economic considerations. The National Environmental Policy Act established the Council on Environmental Quality, whose regulations (40 CFR Parts 1500-1508) set standards for compliance. Consideration and decision-making regarding environmental impacts must be documented in an environmental impact statement or environmental assessment. Environmental impact assessment requires the evaluation of reasonable alternatives to a proposed action, solicitation of input from organizations and individuals that could be affected, and an unbiased presentation of direct, indirect, and cumulative environmental impacts. FEMA hazard mitigation project grant applications require full compliance with applicable federal acts. Any action identified in this plan that falls within the scope of this act will need to meet its requirements.

## **National Fire Plan**

The 2001 National Fire Plan was developed based on the National Fire Policy. A major aspect of the National Fire Plan is joint risk reduction planning and implementation carried out by federal, state and local agencies and communities. The National Fire Plan presented a comprehensive strategy in five key initiatives:

- Firefighting—Be adequately prepared to fight fires each fire season.
- Rehabilitation and Restoration—Restore landscapes and rebuild communities damaged by wildfires.
- Hazardous Fuel Reduction—Invest in projects to reduce fire risk.
- Community Assistance—Work directly with communities to ensure adequate protection.
- Accountability—Be accountable and establish adequate oversight, coordination, program development, and monitoring for performance.

## **National Flood Insurance Program**

The National Flood Insurance Program (NFIP) makes federally backed flood insurance available to homeowners, renters, and business owners in participating communities that enact floodplain regulations. Participation and good standing under NFIP are prerequisites to grant funding eligibility under the Robert T. Stafford Act.

## **Flood Study and Mapping**

For most participating communities, FEMA has prepared a detailed Flood Insurance Study. The study presents water surface elevations for floods of various magnitudes, including the 1-percent-annual-chance flood and the 0.2-percent-annual-chance flood.

Base flood elevations and the boundaries of the flood hazard areas are shown on Flood Insurance Rate Maps, which are the principle tool for identifying the extent and location of the flood hazard. Flood Insurance Rate Maps are the most detailed and consistent data source available, and for many communities they represent the minimum area of oversight under the local floodplain management program. Structures permitted or built in a jurisdiction before its first flood map was approved are called “pre-FIRM” structures, and structures built afterwards are called “post-FIRM.” The insurance rate is different for the two types of structures. In recent years, Flood Insurance Rate Maps have been digitized as Digital Flood Insurance Rate Maps, which are more accessible to community members, local governments and stakeholders.

## **Requirements for Development Regulations**

NFIP participants must, at a minimum, regulate development in floodplain areas in accordance with NFIP criteria. Before issuing a permit to build in a floodplain, participating jurisdictions must ensure that three criteria are met:

- New buildings and those undergoing substantial improvements must, at a minimum, be elevated to protect against damage by the 1-percent-annual-chance flood.
- New floodplain development must not aggravate existing flood problems or increase damage to other properties.
- New floodplain development must exercise a reasonable and prudent effort to reduce its adverse impacts on threatened salmonid species.

NFIP participation is limited to local governments that possess permit authority and have the ability to adopt and enforce regulations that govern land use. This does not typically apply to special purpose districts.

## **Repetitive Loss Properties and Areas**

A repetitive loss property is defined by FEMA as an NFIP-insured property that has experienced any of the following since 1978, regardless of any changes in ownership:

- Four or more paid losses in excess of \$1,000
- Two paid losses in excess of \$1,000 within any rolling 10-year period
- Three or more paid losses that equal or exceed the current value of the insured property.

Repetitive loss properties make up 1 to 2 percent of flood insurance policies in force nationally, yet they account for 40 percent of the nation’s flood insurance claim payments. The government has instituted programs encouraging communities to identify and mitigate the causes of repetitive losses. A recent report on repetitive losses by the National Wildlife Federation found that 20 percent of these properties are outside any mapped 1 percent annual chance floodplain. The key identifiers for repetitive loss properties are the existence of flood insurance policies and claims paid by the policies.

FEMA-sponsored programs, such as the CRS, require participating communities to identify repetitive loss areas. A repetitive loss area is the portion of a floodplain holding structures that FEMA has identified as meeting the

definition of repetitive loss. Identifying repetitive loss areas helps to identify structures that are at risk but are not on FEMA's list of repetitive loss structures because no flood insurance policy was in force at the time of loss.

## **National Incident Management System**

The National Incident Management System (NIMS) is a systematic approach for government, nongovernmental organizations, and the private sector to work together to manage incidents involving hazards. The NIMS provides a flexible but standardized set of incident management practices. Incidents typically begin and end locally, and they are managed at the lowest possible geographical, organizational, and jurisdictional level. In some cases, success depends on the involvement of multiple jurisdictions, levels of government, functional agencies, and emergency responder disciplines. These cases necessitate coordination across a spectrum of organizations. Communities using NIMS follow a comprehensive national approach that improves the effectiveness of emergency management and response personnel across the full spectrum of potential hazards (including natural hazards, technological hazards, and human-caused hazards) regardless of size or complexity.

Although participation is voluntary, federal departments and agencies are required to make adoption of NIMS by local and state jurisdictions a condition to receive federal preparedness grants and awards. The content of this plan is considered to be a viable support tool for any phase of emergency management. The NIMS program is considered as a response function, and information in this hazard mitigation plan can support the implementation and update of all NIMS-compliant plans within the planning area.

## **National Landslide Preparedness Act**

The 2021 National Landslide Preparedness Act authorized a national landslide hazards reduction program and a 3D elevation program within the USGS. This broadened the existing Landslide Hazards Program (under the Natural Hazards Mission Area) and the 3D Elevation Program (under the National Geospatial Program). The act required coordination among federal agencies through an Interagency Coordinating Committee on Landslide Hazards representing USGS and other agencies. The act calls for development of a national strategy for landslide loss reduction and a publicly accessible national landslide database of landslide hazard and risk.

## **Presidential Executive Order 11988, Floodplain Management**

Executive Order 11988 requires federal agencies to avoid to the extent possible the long and short-term adverse impacts associated with the occupancy and modification of floodplains and to avoid direct and indirect support of floodplain development wherever there is a practicable alternative. It requires federal agencies to provide leadership and take action to reduce the risk of flood loss, minimize the impact of floods on human safety, health, and welfare, and restore and preserve the natural and beneficial values of floodplains. The requirements apply to the following activities (FEMA, 2015a):

- Acquiring, managing, and disposing of federal lands and facilities
- Providing federally undertaken, financed, or assisted construction and improvements
- Conducting federal activities and programs affecting land use, including but not limited to water and related land resources planning, regulation, and licensing.



## **Presidential Executive Order 11990, Protection of Wetlands**

Executive Order 11990 requires federal agencies to provide leadership and take action to minimize the destruction, loss or degradation of wetlands, and to preserve and enhance the natural and beneficial values of wetlands. The requirements apply to the following activities:

- Acquiring, managing, and disposing of federal lands and facilities
- Providing federally undertaken, financed, or assisted construction and improvements
- Conducting federal activities and programs affecting land use, including but not limited to water and related land resources planning, regulation, and licensing.

All actions identified in this plan will seek full compliance with all applicable presidential executive orders.

## **Rural Development Program**

The mission of the U.S. Department of Agriculture (USDA) Rural Development Program is to help improve the economy and quality of life in rural America. The program provides project financing and technical assistance to help rural communities provide the infrastructure needed by rural businesses, community facilities, and households. The program addresses rural America's need for basic services, such as clean running water, sewage and waste disposal, electricity, and modern telecommunications and broadband. Loans and competitive grants are offered for various community and economic development projects and programs, such as the development of essential community facilities including fire stations. This program is a potential source of funding for actions identified in this plan.

## **U.S. Army Corps of Engineers Dam Safety Program**

The U.S. Army Corps of Engineers operates and maintains approximately 700 dams nationwide. It is also responsible for safety inspections of some federal and non-federal dams in the United States that meet the size and storage limitations specified in the National Dam Safety Act. The Corps has inventoried dams; surveyed each state and federal agency's capabilities, practices and regulations regarding design, construction, operation and maintenance of the dams; and developed guidelines for inspection and evaluation of dam safety. The Corps maintains the National Inventory of Dams, which contains information about a dam's location, size, purpose, type, last inspection and regulatory status.

## **U.S. Army Corps of Engineers Flood Hazard Management**

The following U.S. Army Corps of Engineers authorities and programs related to flood hazard management:

- The Floodplain Management Services program offers 100-percent federally funded technical services such as development and interpretation of site-specific data related to the extent, duration and frequency of flooding. Special studies may be conducted to help a community understand and respond to flood risk. These may include flood hazard evaluation, flood warning and preparedness, or flood modeling.
- For more extensive studies, the Corps of Engineers offers a cost-shared program called Planning Assistance to States and Tribes. Studies under this program generally range from \$25,000 to \$100,000 with the local jurisdiction providing 50 percent of the cost.



- The Corps of Engineers has several cost-shared programs (typically 65 percent federal and 35 percent non-federal) aimed at developing, evaluating and implementing structural and non-structural capital projects to address flood risks at specific locations or within a specific watershed:
  - The Continuing Authorities Program for smaller-scale projects includes Section 205 for Flood Control, with a \$7 million federal limit and Section 14 for Emergency Streambank Protection with a \$1.5 million federal limit. These can be implemented without specific authorization from Congress.
  - Larger scale studies, referred to as General Investigations, and projects for flood risk management, for ecosystem restoration or to address other water resource issues, can be pursued through a specific authorization from Congress and are cost-shared, typically at 65 percent federal and 35 percent non-federal.
  - Watershed management planning studies can be specifically authorized and are cost-shared at 50 percent federal and 50 percent non-federal.
- The Corps of Engineers provides emergency response assistance during and following natural disasters. Public Law 84-99 enables the Corps to assist state and local authorities in flood fight activities and cost share in the repair of flood protective structures. Assistance is provided in the following categories:
  - Preparedness—The Flood Control and Coastal Emergency Act establishes an emergency fund for preparedness for emergency response to natural disasters; for flood fighting and rescue operations; for rehabilitation of flood control and hurricane protection structures. Funding for Corps of Engineers emergency response under this authority is provided by Congress through the annual Energy and Water Development Appropriation Act. Disaster preparedness activities include coordination, planning, training and conduct of response exercises with local, state and federal agencies.
  - Response Activities—Public Law 84-99 allows the Corps of Engineers to supplement state and local entities in flood fighting urban and other non-agricultural areas under certain conditions (Engineering Regulation 500-1-1 provides specific details). All flood fight efforts require a project cooperation agreement signed by the public sponsor and the sponsor must remove all flood fight material after the flood has receded. Public Law 84-99 also authorizes emergency water support and drought assistance in certain situations and allows for “advance measures” assistance to prevent or reduce flood damage conditions of imminent threat of unusual flooding.
  - Rehabilitation—Under Public Law 84-99, an eligible flood protection system can be rehabilitated if damaged by a flood event. The flood system would be restored to its pre-disaster status at no cost to the federal system owner, and at 20-percent cost to the eligible non-federal system owner. All systems considered eligible for Public Law 84-99 rehabilitation assistance have to be in the Rehabilitation and Inspection Program prior to the flood event. Acceptable operation and maintenance by the public levee sponsor are verified by levee inspections conducted by the Corps on a regular basis. The Corps has the responsibility to coordinate levee repair issues with interested federal, state, and local agencies following natural disaster events where flood control works are damaged.

These authorities and programs are all available to the planning partners to support any related mitigation actions.

## **U.S. Bureau of Reclamation Safety Evaluation of Existing Dams Program**

The U.S. Bureau of Reclamation’s Safety Evaluation of Existing Dams Program was officially implemented in 1978 with passage of the Reclamation Safety of Dams Act (Public Law 95-578). This act was amended in 1984 under Public Law 98-404, in 2000 under Public Law 106-377, in 2002 under Public Law 107-117, and in 2004 under Public Law 108-439. Program development and administration of dam safety activities is the responsibility of the Bureau of Reclamation’s Dam Safety Office located in Denver, Colorado.

Dams must be operated and maintained in a safe manner, ensured through inspections for safety deficiencies, analyses utilizing current technologies and designs, and corrective actions if needed based on current engineering practices. In addition, future evaluations should include assessments of benefits foregone with the loss of a dam. For example, a failed dam can no longer provide needed fish and wildlife benefits.

The primary emphasis of the Safety Evaluation of Existing Dams program is to perform site evaluations and to identify potential safety deficiencies on Bureau of Reclamation and other Interior Department dams. The basic objective is to quickly identify dams which pose an increased threat to the public, and to quickly complete the related analyses in order to expedite corrective action decisions and safeguard the public and associated resources.

The program focuses on evaluating and implementing actions to resolve safety concerns at Bureau of Reclamation dams. Under this program, the Bureau of Reclamation completes studies and identifies and implements needed corrective action on Bureau of Reclamation dams. The selected course of action relies on assessments of risks and liabilities with environmental and public involvement input to the decision-making process.

## **U.S. Fire Administration**

There are federal agencies that provide technical support to fire agencies/organizations. For example, the U.S. Fire Administration, which is a part of FEMA, provides leadership, advocacy, coordination, and support for fire agencies and organizations.

## **U.S. Fish and Wildlife Service**

The U.S. Fish and Wildlife Service fire management strategy uses prescribed fire to maintain early successional fire-adapted grasslands and other ecological communities throughout the National Wildlife Refuge system.

## **STATE**

### **State and Local Building Codes**

Idaho's building code largely reflects international codes, with provisions for wind, seismic and snow loading. As of October 1, 2008, the Idaho building code became mandatory for all municipalities in the state. As of January 1, 2015, the building codes include the following:

- 2012 International Building Code
- 2012 International Residential Code Parts I, II, III, IV and IX
- 2012 International Energy Conservation Code
- 2012 International Existing Building Code
- Idaho administrative rules 07.03.01 (Rules of Building Safety), amending the above codes. There are significant changes to the energy conservation provisions for one- and two-family dwellings.

## **Subdivision Regulations**

Subdivision regulations form part of the process utilized by local governments to carry out the requirements of their comprehensive plans and zoning ordinances. In Idaho, local governments have the authority to define the term "subdivision" as they prefer. State enabling authority does not contain standards or requirements that would

be considered to exceed those commonly found elsewhere, nor are subdivision regulations mandated. Subdivision regulations are important in hazard prone areas as they can specify requirements for layout and location of infrastructure, lots and other facilities as land is developed.

## Comprehensive Plans and Zoning

Title 67, Chapter 65, which is Idaho's local land use enabling authority, includes a stated, specific purpose of local land use regulation "to protect life and property in areas subject to natural hazards and disasters." Tools to do this include comprehensive planning and zoning. Consistent with Idaho law, a comprehensive plan provides the policy basis for a community's zoning ordinance, which contains the specific standards and requirements and processes for making land use and development decisions. In Idaho, a comprehensive plan is required to include a section on hazards (67-6508(g)):

*The plan with maps, charts, and reports shall be based on the following components as they may apply to land use regulations and actions unless the plan specifies reasons why a particular component is unneeded ... Hazardous Areas -- An analysis of known hazards as may result from susceptibility to surface ruptures from faulting, ground shaking, ground failure, landslides or mudslides; avalanche hazards resulting from development in the known or probable path of snow slides and avalanches, and floodplain hazards.*

As part of comprehensive planning, a future land use map is prepared indicating suitable projected land uses for the jurisdiction. The implementation tool to realize the vision in the comprehensive plan is the zoning ordinance. Zoning protects the rights of property owners while promoting the general welfare of the community. By dividing land into categories according to use, and setting regulations for these categories, a zoning ordinance can govern private land use and segregate incompatible uses. The purpose of zoning is to locate particular land uses where they are most appropriate, considering public utilities, road access and the established development pattern.

## Floodplain Zoning

Idaho communities are authorized to adopt floodplain zoning to regulate any mapped or unmapped flood hazard area. Additionally, Idaho communities may adopt standards that exceed the minimum standards of the NFIP. In March 2010, the Idaho Legislature passed House Bill 556, which changes Idaho's floodplain zoning enabling authority to exempt operation, maintenance, cleaning or repair of any of any canal ditch, irrigation, drainage or diversion structure from floodplain zoning. Floodplain zoning is important in flood hazard areas to provide for appropriate development standards and enable communities to participate in the NFIP and therefore be eligible for flood insurance and flood mitigation programs. The recent law change would appear to be in conflict with federal minimum regulatory standards for communities participating in the NFIP and could therefore endanger community participation in the program.

## Idaho Department of Water Resources Dam Safety Program

The Dam Safety Program of Idaho's Department of Water Resources monitors dams at the state level. The Department currently regulates nearly 600 water storage dams and more than 20 mine tailings impoundment structures throughout the state. The program regulates dams greater than or equal to 10 feet in height or reservoirs greater than or equal to 50 acre-feet in storage capacity. Each dam inspected by IDWR has a classification for size and risk:

- Large—40 feet high or more or with a storage capacity of more than 4,000 acre feet of water. *104 dams are currently listed as large.*
- Intermediate—More than 20 but less than 40 feet high or with a storage capacity of 100 to 4,000 acre feet of water. *198 dams are currently listed as intermediate.*
- Small—20 feet high or less and a storage capacity of less than 100 acre feet of water. *244 dams are currently listed as small.*

All statutory sized dams must be inspected by the IDWR no less than every five years. The frequency between individual dam inspections depends on such items as the project's physical condition, method of construction, maintenance record, age, hazard rating, and size and storage capacity. Inspection reports prepared by the IDWR for non-federal dams are available through the state office in Boise (Idaho Dam Safety Web Site, 2011).

## **Idaho Disaster Preparedness Act of 1975**

The Idaho Disaster Preparedness Act of 1975 (Chapter 10, Title 46 of the Idaho Code) created the Bureau of Disaster Services and subsequently the Office of Emergency Management, and provided for the creation of local organizations for disaster preparedness. According to the Act, it is the policy of the State of Idaho to plan and prepare for disasters and emergencies resulting from natural or manmade causes, enemy attack, sabotage or other hostile action. State law was put into place to do the following:

- Create an Office of Emergency Management.
- Prevent and reduce damage, injury, and loss of life and property resulting from natural or man-made catastrophes.
- Prepare assistance for prompt and efficient search, rescue and care.
- Provide for rapid restoration and rehabilitation.
- Prescribe the roles of government in prevention, preparation and response to disaster.
- Authorize and encourage cooperation in disaster prevention, preparation and response.
- Provide for coordination of activities.
- Provide a disaster management system.
- Provide for payment of obligations and expenses incurred by the state of Idaho through the Office of Emergency Management.

## **Idaho Silver Jackets Program**

The Silver Jackets Program is the state-level implementation of the Army Corps of Engineers National Flood Risk Management Program. The core member agencies will establish a continuous intergovernmental collaborative team working with other state and federal agencies to do the following:

- Provide assistance in identifying and prioritizing actions to reduce the threat, vulnerability and consequences of flooding in the State of Idaho.
- Facilitate strategic planning and implementation of life-cycle mitigation, response and recovery actions to reduce the threat, vulnerability and consequences of flooding in the State of Idaho.
- Create or supplement a process to collaboratively identify issues and implement or recommend solutions.

- Identify and implement ways to leverage available resources and information between agencies.
- Increase and improve flood risk communication and outreach.
- Promote wise stewardship of the taxpayers' investments.
- Develop more comprehensive state flood risk management policies and strategies.
- Develop advanced hydrologic predictive services to reduce loss of life and property damage from flooding.



## **Appendix C. Concepts and Methods Used for Hazard Mapping**

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## C. CONCEPTS AND METHODS USED FOR HAZARD MAPPING

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### EARTHQUAKE MAPPING

#### Liquefaction Susceptibility

Liquefaction is a phenomenon in which strong earthquake shaking causes a soil to rapidly lose its strength and behave like quicksand. Liquefaction typically occurs in artificial fills and in areas of loose sandy soils that are saturated with water, such as low-lying coastal areas, lakeshores, and river valleys. When soil strength is lost during liquefaction, the consequences can be catastrophic. Movement of liquefied soils can rupture pipelines, move bridge abutments and road and railway alignments, and pull apart the foundations and walls of buildings.

Liquefaction data provided by the Idaho Geological Survey. The data provides preliminary liquefaction susceptibility maps for the metro Boise area. The database was produced using 1) a standard methodology relating deposit age, texture (grain size and sorting), and environment of deposition to liquefaction susceptibility, and, 2) depth to the local water table. The database uses 1:100,000-scale geologic map information and water well records. The water well data have uncertainties in data quality and location. For these reasons, this product is not suited for detailed engineering use. On-site geotechnical studies are required to establish actual liquefaction potential for any specific location. It is best used as a regional screening tool to focus further attention on areas with apparently high liquefaction hazards. For each geologic map unit, a score between 0-5 was assigned for each classifying factor based upon unit descriptions. The methods and data used to make this map are described in detail in Phillips and Welhan, 2011. This dataset covers the Boise Metro area. A liquefaction susceptibility default value of 0 (Underlain by bedrock. Liquefaction will not occur even where saturated except in the case of undocumented cohesionless materials.) was used for the remainder of the County.

#### National Earthquake Hazard Reduction Program Soils

National Earthquake Hazard Reduction Program (NEHRP) site class data was provided by the Idaho Geologic Survey. The intensity of ground shaking during an earthquake varies according to the nature of near-surface materials. NEHRP site classes quantify this effect and permit adjustment of expected ground motion. Site classes B, BC, C, D, and E are used. Classification of sites is largely based upon a geologic map (Othberg and Stanford, 1992, IGS GM-18, scale 1:100,000) and a compilation of standard penetration test N (blows/ft) data from geotechnical foundation reports in the project area. This work is a regional screening exercise based upon widely separated localities at a scale of 1:100,000. Site-specific geotechnical investigations are required to determine actual ground conditions for individual building sites. The methods and data used to make this map are described in detail in Phillips and Welhan, 2011. This dataset covers the Boise Metro area. A NEHRP soil default value of D was used for the remainder of the County.

## Probabilistic Peak Ground Acceleration Maps

Probabilistic peak ground acceleration data, by Census tract, are generated by Hazus v5.1. In Hazus' probabilistic analysis procedure, the ground shaking demand is characterized by spectral contour maps developed by the U.S. Geological Survey (USGS) as part of a 2018 update of the National Seismic Hazard Maps. USGS probabilistic seismic hazard maps are revised about every six years to reflect newly published or thoroughly reviewed earthquake science and to keep pace with regular updates of the building code. Hazus includes maps for eight probabilistic hazard levels: ranging from ground shaking with a 39 percent probability of being exceeded in 50 years (100-year return period) to the ground shaking with a 2 percent probability of being exceeded in 50 years (2,500-year return period).

## Shake Maps

A shake map is designed as a rapid response tool to portray the extent and variation of ground shaking throughout the affected region immediately following significant earthquakes. Ground motion and intensity maps are derived from peak ground motion amplitudes recorded on seismic sensors (accelerometers), with interpolation based on estimated amplitudes where data are lacking, and site amplification corrections. Color-coded instrumental intensity maps are derived from empirical relations between peak ground motions and Modified Mercalli intensity. For this plan, shake maps were prepared by the USGS for four earthquake scenarios:

- An earthquake on the Squaw Creek fault with the following characteristics:
  - Magnitude: 7.03
  - Epicenter: N 44.15 W 116.24
  - Depth: 9.0 km
- An earthquake on the Big Flat-Jakes Creek fault with the following characteristics:
  - Magnitude: 6.81
  - Epicenter: N 44.26 W 116.35
  - Depth: 9.0 km

## FLOOD MAPPING

The 100- and 500-year flood boundaries are from the effective FEMA Digital Flood Insurance Rate Map. The effective date is June 19, 2020, with the latest Letter of Map Revision, effective October 14, 2021. The term “100-year flood” is defined as a flood that statistically has a chance of occurring once in a hundred years, or a 1% chance in any given year. Similarly, a “500-year flood” is a flood that has a 0.2% chance of occurring every single year. This does not mean that after a 100-year flood event, there will not be another similar event in 100 years. 100- and 500-year floodplain boundaries are also subject to change as new data, studies, topography, regional weather patterns and river courses change.

## LANDSLIDE MAPPING

A dataset of steep slopes was generated using a combination of the Boise Foothills 1-foot DEM and a U.S. Geological Survey 10-meter DEM. Two slope classifications were created: 15 to 30 percent and greater than 30 percent. This dataset was originally generated for the 2017 Ada County Hazard Mitigation Plan.

## WILDFIRE MAPPING

This wildfire base hazard data was produced for the Ada County Enhanced Wildfire Risk Map Project and was completed in 2016. The wildfire base hazard is categorized as low, moderate or high.

## DAM FAILURE MAPPING

Lucky Peak Dam – This data represents the Maximum High Pool, Breach (dam failure) scenario. This scenario is based on the inflow design flood per FEMA guidelines and indicates the maximum reservoir pool level and likely maximum extent of inundation. Scenarios are designated as either non-breach or breach. In non-breach scenarios the dam is operating as designed for the given pool level, releasing from outlets and controlled or uncontrolled spillways. In breach scenarios the continuity of the structure has been compromised, resulting in uncontrolled water releases that exceed the magnitude of releases in the equivalent non-breach scenario. This data was generated using the HEC-RAS modeling software and was completed in 2020.

Blacks Creek Dam – This data represents the Sunny Day Failure scenario with the pool level at spillway crest and no inflow. This data was generated using the Decision Support System for Water Infrastructure Security (DSS-WISE) Lite software in 2020. The DSS-WISE Lite software suite, running on National Center for Computational Hydroscience and Engineering at the University of Mississippi servers, automatically processes input files for dam-break modeling scenarios submitted by users. The results produced by this simplified dam-break flood simulation tool represent a rough approximation. They are not intended to replace more detailed flood inundation modeling and mapping products or capabilities developed by hydraulic and hydrologic engineers and GIS professionals.

## REFERENCES

Phillips, William M., and Welhan, John A., 2011, NEHRP Site Class and Liquefaction Susceptibility Maps for the Boise Metro Area, Idaho. Idaho Geological Survey. Published August 2011.

Othberg, K.L., and Stanford, L.R., 1992, Geologic map of the Boise Valley and adjoining areas, western Snake River Plain, Idaho: Idaho Geological Survey Geologic Map Series, scale 1:100,000.



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2022 Ada County Multi-Hazard Mitigation Plan

## **Appendix D. Detailed Risk Assessment Results**

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# Exposure and Estimated Loss

| Jurisdiction   | Estimated Population (1) | Total Number of Buildings (2) | Total Number of Residential Buildings (2) | Total Building Value (Structure and contents in \$) (2) | Estimated Building Exposure |                        |                         |                                   |                                  |  |                          |
|----------------|--------------------------|-------------------------------|---|---|-----------------------------|------------------------|-------------------------|-----------------------------------|----------------------------------|--|--------------------------|
|                |                          |                               |   |   | Buildings Exposed (2)       | Population Exposed (3) | % of Population Exposed | Value Structure in \$ Exposed (2) | Value Contents in \$ Exposed (2) | Value (Structure and contents in \$) Exposed (2) | % of Total Value Exposed |
| Boise          | 229,776                  | 81,552                        | 76,386                                    | \$61,280,836,767  | 0                           | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%                     |
| Eagle          | 31,699                   | 12,437                        | 11,810                                    | \$9,838,649,929   | 0                           | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%                     |
| Garden City    | 11,920                   | 4,385                         | 3,664                                     | \$3,705,101,875   | 0                           | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%                     |
| Kuna           | 23,937                   | 8,831                         | 8,663                                     | \$3,886,826,099   | 0                           | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%                     |
| Meridian       | 121,182                  | 40,812                        | 39,226                                    | \$28,959,315,273  | 1,917                       | 5,891                  | 4.9%                    | \$903,251,412                     | \$485,875,710                    | \$1,389,127,122                                  | 4.8%                     |
| Star           | 11,259                   | 5,065                         | 4,957                                     | \$2,845,160,473   | 0                           | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%                     |
| Unincorporated | 64,626                   | 21,720                        | 21,506                                    | \$12,472,792,807  | 140                         | 409                    | 0.6%                    | \$52,531,955                      | \$27,946,028                     | \$80,477,983                                     | 0.6%                     |
| <b>Total</b>   | <b>494,399</b>           | <b>174,802</b>                | <b>166,212</b>                            | <b>\$122,988,683,223</b>                                | <b>2,057</b>                | <b>6,300</b>           | <b>1.3%</b>             | <b>\$955,783,367</b>              | <b>\$513,821,738</b>             | <b>\$1,469,605,105</b>                           | <b>1.2%</b>              |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor website.

(2) Values based off of 2021 tax assessor data provided by Ada County

(3) Percent of residential buildings exposed multiplied by the Estimated Population

(4) Calculated using a Census block level, general building stock (GBS) analysis in Hazus 5.

(5) Calculated using a Census block level, general building stock (GBS) analysis in Hazus 5.1, and adjusted to reflect the estimated population

(6) Calculated using a user-defined (UDF) analysis in Hazus 5.1



| Jurisdiction   | Economic Impact                |                             |   |                           |   |  |  |                             |
|----------------|--------------------------------|-----------------------------|---|---------------------------|---|--|--|-----------------------------|
|                | Structure Debris<br>(Tons) (4) | Displaced<br>Population (5) | People Requiring<br>Short-Term Shelter<br>(5) | Buildings Impacted<br>(6) | Value Structure in \$<br>Damaged<br>(6) | Value Contents in \$<br>Damaged<br>(6) | Total Value (Structure and<br>Contents in \$) Damaged<br>(6) | % of Total Value<br>Damaged |
| Boise          | 0                              | 0                           | 0   | 0                         | \$0                                     | \$0                                    | \$0  | 0.0%                        |
| Eagle          | 0                              | 0                           | 0   | 0                         | \$0                                     | \$0                                    | \$0  | 0.0%                        |
| Garden City    | 0                              | 0                           | 0   | 0                         | \$0                                     | \$0                                    | \$0  | 0.0%                        |
| Kuna           | 0                              | 0                           | 0   | 0                         | \$0                                     | \$0                                    | \$0  | 0.0%                        |
| Meridian       | 9,113                          | 2,302                       | 161   | 1,887                     | \$91,184,948                            | \$59,622,255                           | \$150,807,203  | 0.5%                        |
| Star           | 0                              | 0                           | 0   | 0                         | \$0                                     | \$0                                    | \$0  | 0.0%                        |
| Unincorporated | 1,648                          | 68                          | 7   | 138                       | \$6,389,396                             | \$4,132,240                            | \$10,521,636   | 0.1%                        |
| Total          | 10,761                         | 2,370                       | 168   | 2,025                     | \$97,574,344                            | \$63,754,495                           | \$161,328,839  | 0.1%                        |

Notes:

| Jurisdiction   | Acres of Inundation Area | Number of Structures in Inundation Area (2) |            |            |             |          |            |           |       |
|----------------|--------------------------|---|------------|------------|-------------|----------|------------|-----------|-------|
|                |                          | Residential                                 | Commercial | Industrial | Agriculture | Religion | Government | Education | Total |
| Boise          | 0                        | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0     |
| Eagle          | 0                        | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0     |
| Garden City    | 0                        | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0     |
| Kuna           | 0                        | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0     |
| Meridian       | 860                      | 1,907                                       | 8          | 0          | 0           | 1        | 0          | 1         | 1917  |
| Star           | 0                        | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0     |
| Unincorporated | 1,611                    | 136   | 2          | 0          | 2           | 0        | 0          | 0         | 140   |
| Total          | 2,470                    | 2,043                                       | 10         | 0          | 2           | 1        | 0          | 1         | 2057  |

Notes:

| Jurisdiction   | Estimated Population (1) | Total Number of Buildings (2) | Total Number of Residential Buildings (2) | Total Building Value (Structure and contents in \$) (2) | Estimated Building Exposure |                        |                         |                                   |                                  |  |                          |
|----------------|--------------------------|-------------------------------|---|---|-----------------------------|------------------------|-------------------------|-----------------------------------|----------------------------------|--|--------------------------|
|                |                          |                               |   |   | Buildings Exposed (2)       | Population Exposed (3) | % of Population Exposed | Value Structure in \$ Exposed (2) | Value Contents in \$ Exposed (2) | Value (Structure and contents in \$) Exposed (2) | % of Total Value Exposed |
| Boise          | 229,776                  | 81,552                        | 76,386                                    | \$61,280,836,767  | 25,734                      | 72,113                 | 31.4%                   | \$12,866,040,555                  | \$8,581,720,881                  | \$21,447,761,436                                 | 35.0%                    |
| Eagle          | 31,699                   | 12,437                        | 11,810                                    | \$9,838,649,929   | 6,536                       | 15,994                 | 50.5%                   | \$3,487,091,072                   | \$2,109,863,128                  | \$5,596,954,199                                  | 56.9%                    |
| Garden City    | 11,920                   | 4,385                         | 3,664                                     | \$3,705,101,875   | 4,383                       | 11,920                 | 100.0%                  | \$2,161,203,941                   | \$1,503,098,230                  | \$3,664,302,171                                  | 98.9%                    |
| Kuna           | 23,937                   | 8,831                         | 8,663                                     | \$3,886,826,099   | 0                           | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%                     |
| Meridian       | 121,182                  | 40,812                        | 39,226                                    | \$28,959,315,273  | 0                           | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%                     |
| Star           | 11,259                   | 5,065                         | 4,957                                     | \$2,845,160,473   | 4,206                       | 9,315                  | 82.7%                   | \$1,521,064,449                   | \$839,698,865                    | \$2,360,763,313                                  | 83.0%                    |
| Unincorporated | 64,626                   | 21,720                        | 21,506                                    | \$12,472,792,807  | 373                         | 1,052                  | 1.6%                    | \$276,335,622                     | \$193,538,207                    | \$469,873,829                                    | 3.8%                     |
| <b>Total</b>   | <b>494,399</b>           | <b>174,802</b>                | <b>166,212</b>                            | <b>\$122,988,683,223</b>                                | <b>41,232</b>               | <b>110,394</b>         | <b>22.3%</b>            | <b>\$20,311,735,638</b>           | <b>\$13,227,919,311</b>          | <b>\$33,539,654,949</b>                          | <b>27.3%</b>             |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor website.

(2) Values based off of 2021 tax assessor data provided by Ada County

(3) Percent of residential buildings exposed multiplied by the Estimated Population

(4) Calculated using a Census block level, general building stock (GBS) analysis in Hazus 5.

(5) Calculated using a Census block level, general building stock (GBS) analysis in Hazus 5.1, and adjusted to reflect the estimated population

(6) Calculated using a user-defined (UDF) analysis in Hazus 5.1

| Jurisdiction   | Economic Impact                |                             |   |                           |   |  |  |                             |
|----------------|--------------------------------|-----------------------------|---|---------------------------|---|--|--|-----------------------------|
|                | Structure Debris<br>(Tons) (4) | Displaced<br>Population (5) | People Requiring<br>Short-Term Shelter<br>(5) | Buildings Impacted<br>(6) | Value Structure in \$<br>Damaged<br>(6) | Value Contents in \$<br>Damaged<br>(6) | Total Value (Structure and<br>Contents in \$) Damaged<br>(6) | % of Total Value<br>Damaged |
| Boise          | 4,617,669                      | 66,414                      | 2,577   | 25,632                    | \$8,520,691,228                         | \$6,532,377,833                        | \$15,053,069,061   | 24.6%                       |
| Eagle          | 974,977                        | 12,642                      | 547   | 6,532                     | \$2,189,011,480                         | \$1,580,665,864                        | \$3,769,677,344  | 38.3%                       |
| Garden City    | 863,391                        | 11,701                      | 487   | 4,383                     | \$1,538,041,053                         | \$1,235,897,533                        | \$2,773,938,586  | 74.9%                       |
| Kuna           | 0                              | 0                           | 0   | 0                         | \$0                                     | \$0                                    | \$0  | 0.0%                        |
| Meridian       | 0                              | 0                           | 0   | 0                         | \$0                                     | \$0                                    | \$0  | 0.0%                        |
| Star           | 416,524                        | 9,065                       | 285   | 4,203                     | \$1,001,199,124                         | \$629,776,445                          | \$1,630,975,569  | 57.3%                       |
| Unincorporated | 74,302                         | 580                         | 38  | 373                       | \$162,961,705                           | \$137,612,687                          | \$300,574,392  | 2.4%                        |
| Total          | 6,946,864                      | 100,402                     | 3,933   | 41,123                    | \$13,411,904,589                        | \$10,116,330,362                       | \$23,528,234,951   | 19.1%                       |

Notes:

| Jurisdiction   |                          |   |            |            |             |          |            |           |       |
|----------------|--------------------------|---|------------|------------|-------------|----------|------------|-----------|-------|
|                | Acres of Inundation Area | Number of Structures in Inundation Area (2) |            |            |             |          |            |           |       |
|                |                          | Residential                                 | Commercial | Industrial | Agriculture | Religion | Government | Education | Total |
| Boise          | 11,499                   | 23,973                                      | 1,615      | 0          | 13          | 59       | 46         | 28        | 25734 |
| Eagle          | 6,290                    | 5,959                                       | 558        | 1          | 1           | 3        | 10         | 4         | 6536  |
| Garden City    | 2,702                    | 3,664                                       | 703        | 0          | 4           | 6        | 4          | 2         | 4383  |
| Kuna           | 0                        | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0     |
| Meridian       | 1                        | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0     |
| Star           | 3,222                    | 4,101                                       | 95         | 0          | 1           | 7        | 2          | 0         | 4206  |
| Unincorporated | 9,480                    | 350   | 19         | 2          | 1           | 1        | 0          | 0         | 373   |
| Total          | 33,195                   | 38,047                                      | 2990       | 3          | 20          | 76       | 62         | 34        | 41232 |

Notes:

| Jurisdiction   | Estimated Exposure       |                      |                               |   |                          | Economic Impact                     |                                    |   |                                   |                                  |  |                          |
|----------------|--------------------------|----------------------|-------------------------------|---|--------------------------|-------------------------------------|------------------------------------|---|-----------------------------------|----------------------------------|--|--------------------------|
|                | Estimated Population (1) | % Population Exposed | Total Number of Buildings (2) | Total Building Value (Structure and contents in \$) (2) | % of Total Value Exposed | Structure Debris (x 1,000 Tons) (3) | Number of Displaced Households (3) | People Requiring Short-Term Shelter (3) | Value Structure in \$ Damaged (4) | Value Contents in \$ Damaged (4) | Total Value (Structure and Contents in \$) Damaged (4) | % of Total Value Damaged |
| Boise          | 229,776                  | 100%                 | 81,552                        | \$61,280,836,767  | 100%                     | 1.17                                | 0                                  | 0                                       | \$418,057                         | \$343,588                        | \$761,645  | 0.0%                     |
| Eagle          | 31,699                   | 100%                 | 12,437                        | \$9,838,649,929   | 100%                     | 0.08                                | 0                                  | 0                                       | \$22,267                          | \$21,464                         | \$43,731   | 0.0%                     |
| Garden City    | 11,920                   | 100%                 | 4,385                         | \$3,705,101,875   | 100%                     | 0.13                                | 0                                  | 0                                       | \$20,703                          | \$20,032                         | \$40,735   | 0.0%                     |
| Kuna           | 23,937                   | 100%                 | 8,831                         | \$3,886,826,099   | 100%                     | 0.02                                | 0                                  | 0                                       | \$5,452                           | \$5,458                          | \$10,910   | 0.0%                     |
| Meridian       | 121,182                  | 100%                 | 40,812                        | \$28,959,315,273  | 100%                     | 0.30                                | 0                                  | 0                                       | \$104,495                         | \$97,832                         | \$202,327  | 0.0%                     |
| Star           | 11,259                   | 100%                 | 5,065                         | \$2,845,160,473   | 100%                     | 0.02                                | 0                                  | 0                                       | \$13,784                          | \$12,221                         | \$26,005   | 0.0%                     |
| Unincorporated | 64,626                   | 100%                 | 21,720                        | \$12,472,792,807  | 100%                     | 0.08                                | 0                                  | 0                                       | \$38,368                          | \$43,041                         | \$81,408   | 0.0%                     |
| <b>TOTAL</b>   | <b>494,399</b>           | <b>100%</b>          | <b>174,802</b>                | <b>\$122,988,683,223</b>                                | <b>100%</b>              | <b>1.81</b>                         | <b>0</b>                           | <b>0</b>                                | <b>\$623,125</b>                  | <b>\$543,636</b>                 | <b>1,166,761</b>                                       | <b>0.0%</b>              |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor websi

(2) Values based off of 2021 tax assessor data provided by Ada County

(3) Calculated using a Census tract level, general building stock (GBS) analysis in Hazus 5.

(4) Calculated using an Advanced Engineering Building Model (AEBM) analysis in Hazus 5.

| Jurisdiction   | Estimated Exposure       |                      |                               |   |                          | Economic Impact                     |                                    |   |                                   |                                  |  |                          |
|----------------|--------------------------|----------------------|-------------------------------|---|--------------------------|-------------------------------------|------------------------------------|---|-----------------------------------|----------------------------------|--|--------------------------|
|                | Estimated Population (1) | % Population Exposed | Total Number of Buildings (2) | Total Building Value (Structure and contents in \$) (2) | % of Total Value Exposed | Structure Debris (x 1,000 Tons) (3) | Number of Displaced Households (3) | People Requiring Short-Term Shelter (3) | Value Structure in \$ Damaged (4) | Value Contents in \$ Damaged (4) | Total Value (Structure and Contents in \$) Damaged (4) | % of Total Value Damaged |
| Boise          | 229,776                  | 100%                 | 81,552                        | \$61,280,836,767  | 100%                     | 16.95                               | 5                                  | 3                                       | \$43,934,732                      | \$29,987,476                     | \$73,922,209   | 0.1%                     |
| Eagle          | 31,699                   | 100%                 | 12,437                        | \$9,838,649,929   | 100%                     | 1.45                                | 0                                  | 0                                       | \$5,633,649                       | \$3,269,503                      | \$8,903,152  | 0.1%                     |
| Garden City    | 11,920                   | 100%                 | 4,385                         | \$3,705,101,875   | 100%                     | 1.73                                | 0                                  | 0                                       | \$2,189,122                       | \$1,744,551                      | \$3,933,673  | 0.1%                     |
| Kuna           | 23,937                   | 100%                 | 8,831                         | \$3,886,826,099   | 100%                     | 0.36                                | 0                                  | 0                                       | \$1,037,176                       | \$784,797                        | \$1,821,973  | 0.0%                     |
| Meridian       | 121,182                  | 100%                 | 40,812                        | \$28,959,315,273  | 100%                     | 4.85                                | 0                                  | 0                                       | \$13,615,042                      | \$10,233,618                     | \$23,848,661   | 0.1%                     |
| Star           | 11,259                   | 100%                 | 5,065                         | \$2,845,160,473   | 100%                     | 0.42                                | 0                                  | 0                                       | \$5,649,585                       | \$2,301,750                      | \$7,951,335  | 0.3%                     |
| Unincorporated | 64,626                   | 100%                 | 21,720                        | \$12,472,792,807  | 100%                     | 1.52                                | 0                                  | 0                                       | \$4,715,298                       | \$3,745,354                      | \$8,460,652  | 0.1%                     |
| <b>TOTAL</b>   | <b>494,399</b>           | <b>100%</b>          | <b>174,802</b>                | <b>\$122,988,683,223</b>                                | <b>100%</b>              | <b>27.28</b>                        | <b>5</b>                           | <b>3</b>                                | <b>\$76,774,603</b>               | <b>\$52,067,050</b>              | <b>128,841,653</b>                                     | <b>0.1%</b>              |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor websi

(2) Values based off of 2021 tax assessor data provided by Ada County

(3) Calculated using a Census tract level, general building stock (GBS) analysis in Hazus 5.

(4) Calculated using an Advanced Engineering Building Model (AEBM) analysis in Hazus 5.

| Jurisdiction   | Estimated Exposure       |                      |                               |   |                          | Economic Impact                     |                                    |   |                                   |                                  |  |                          |
|----------------|--------------------------|----------------------|-------------------------------|---|--------------------------|-------------------------------------|------------------------------------|---|-----------------------------------|----------------------------------|--|--------------------------|
|                | Estimated Population (1) | % Population Exposed | Total Number of Buildings (2) | Total Building Value (Structure and contents in \$) (2) | % of Total Value Exposed | Structure Debris (x 1,000 Tons) (3) | Number of Displaced Households (3) | People Requiring Short-Term Shelter (3) | Value Structure in \$ Damaged (4) | Value Contents in \$ Damaged (4) | Total Value (Structure and Contents in \$) Damaged (4) | % of Total Value Damaged |
| Boise          | 229,776                  | 100%                 | 81,552                        | \$61,280,836,767  | 100%                     | 15.52                               | 1                                  | 0                                       | \$246,262,265                     | \$121,964,676                    | \$368,226,941  | 0.6%                     |
| Eagle          | 31,699                   | 100%                 | 12,437                        | \$9,838,649,929   | 100%                     | 3.28                                | 0                                  | 0                                       | \$93,283,212                      | \$36,220,159                     | \$129,503,371  | 1.3%                     |
| Garden City    | 11,920                   | 100%                 | 4,385                         | \$3,705,101,875   | 100%                     | 1.94                                | 1                                  | 0                                       | \$75,061,519                      | \$30,863,816                     | \$105,925,335  | 2.9%                     |
| Kuna           | 23,937                   | 100%                 | 8,831                         | \$3,886,826,099   | 100%                     | 0.28                                | 0                                  | 0                                       | \$3,281,006                       | \$1,797,653                      | \$5,078,659  | 0.1%                     |
| Meridian       | 121,182                  | 100%                 | 40,812                        | \$28,959,315,273  | 100%                     | 6.27                                | 0                                  | 0                                       | \$87,369,033                      | \$45,862,545                     | \$133,231,578  | 0.5%                     |
| Star           | 11,259                   | 100%                 | 5,065                         | \$2,845,160,473   | 100%                     | 1.04                                | 0                                  | 0                                       | \$23,830,178                      | \$8,596,781                      | \$32,426,959   | 1.1%                     |
| Unincorporated | 64,626                   | 100%                 | 21,720                        | \$12,472,792,807  | 100%                     | 1.35                                | 0                                  | 0                                       | \$26,820,176                      | \$13,655,417                     | \$40,475,593   | 0.3%                     |
| <b>TOTAL</b>   | <b>494,399</b>           | <b>100%</b>          | <b>174,802</b>                | <b>\$122,988,683,223</b>                                | <b>100%</b>              | <b>29.68</b>                        | <b>2</b>                           | <b>1</b>                                | <b>\$555,907,389</b>              | <b>\$258,961,047</b>             | <b>\$814,868,435</b>                                   | <b>0.7%</b>              |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor website

(2) Values based off of 2021 tax assessor data provided by Ada County

(3) Calculated using a Census tract level, general building stock (GBS) analysis in Hazus 5.

(4) Calculated using an Advanced Engineering Building Model (AEBM) analysis in Hazus 5.



| Jurisdiction   | Estimated Exposure       |                      |                               |   |                          | Economic Impact                     |                                    |   |                                   |                                  |  |                          |
|----------------|--------------------------|----------------------|-------------------------------|---|--------------------------|-------------------------------------|------------------------------------|---|-----------------------------------|----------------------------------|--|--------------------------|
|                | Estimated Population (1) | % Population Exposed | Total Number of Buildings (2) | Total Building Value (Structure and contents in \$) (2) | % of Total Value Exposed | Structure Debris (x 1,000 Tons) (3) | Number of Displaced Households (3) | People Requiring Short-Term Shelter (3) | Value Structure in \$ Damaged (4) | Value Contents in \$ Damaged (4) | Total Value (Structure and Contents in \$) Damaged (4) | % of Total Value Damaged |
| Boise          | 229,776                  | 100%                 | 81,552                        | \$61,280,836,767  | 100%                     | 3.49                                | 0                                  | 0                                       | \$35,929,180                      | \$24,887,455                     | \$60,816,634   | 0.1%                     |
| Eagle          | 31,699                   | 100%                 | 12,437                        | \$9,838,649,929   | 100%                     | 0.74                                | 0                                  | 0                                       | \$8,674,006                       | \$4,689,704                      | \$13,363,709   | 0.1%                     |
| Garden City    | 11,920                   | 100%                 | 4,385                         | \$3,705,101,875   | 100%                     | 0.40                                | 0                                  | 0                                       | \$3,293,981                       | \$2,176,965                      | \$5,470,946  | 0.1%                     |
| Kuna           | 23,937                   | 100%                 | 8,831                         | \$3,886,826,099   | 100%                     | 0.08                                | 0                                  | 0                                       | \$702,346                         | \$383,245                        | \$1,085,591  | 0.0%                     |
| Meridian       | 121,182                  | 100%                 | 40,812                        | \$28,959,315,273  | 100%                     | 1.79                                | 0                                  | 0                                       | \$19,945,635                      | \$12,372,053                     | \$32,317,688   | 0.1%                     |
| Star           | 11,259                   | 100%                 | 5,065                         | \$2,845,160,473   | 100%                     | 0.20                                | 0                                  | 0                                       | \$2,694,628                       | \$1,404,258                      | \$4,098,886  | 0.1%                     |
| Unincorporated | 64,626                   | 100%                 | 21,720                        | \$12,472,792,807  | 100%                     | 0.29                                | 0                                  | 0                                       | \$5,054,054                       | \$3,126,817                      | \$8,180,871  | 0.1%                     |
| <b>TOTAL</b>   | <b>494,399</b>           | <b>100%</b>          | <b>174,802</b>                | <b>\$122,988,683,223</b>                                | <b>100%</b>              | <b>6.99</b>                         | <b>0</b>                           | <b>0</b>                                | <b>\$76,293,829</b>               | <b>\$49,040,497</b>              | <b>125,334,326</b>                                     | <b>0.1%</b>              |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor websi

(2) Values based off of 2021 tax assessor data provided by Ada County

(3) Calculated using a Census tract level, general building stock (GBS) analysis in Hazus 5.

(4) Calculated using an Advanced Engineering Building Model (AEBM) analysis in Hazus 5.

| Jurisdiction   | Estimated Population (1) | Total Number of Buildings (2) | Total Number of Residential Buildings (2) | Total Building Value (Structure and contents in \$) (2) | Estimated Building Exposure |                        |                         |                                   |                                  |  |                          |
|----------------|--------------------------|-------------------------------|---|---|-----------------------------|------------------------|-------------------------|-----------------------------------|----------------------------------|--|--------------------------|
|                |                          |                               |   |   | Buildings Exposed (2)       | Population Exposed (3) | % of Population Exposed | Value Structure in \$ Exposed (2) | Value Contents in \$ Exposed (2) | Value (Structure and contents in \$) Exposed (2) | % of Total Value Exposed |
| Boise          | 229,776                  | 81,552                        | 76,386                                    | \$61,280,836,767  | 1,470                       | 4,094                  | 1.8%                    | \$1,252,551,619                   | \$850,224,927                    | \$2,102,776,545                                  | 3.4%                     |
| Eagle          | 31,699                   | 12,437                        | 11,810                                    | \$9,838,649,929   | 743                         | 1,857                  | 5.9%                    | \$659,514,095                     | \$418,242,230                    | \$1,077,756,325                                  | 11.0%                    |
| Garden City    | 11,920                   | 4,385                         | 3,664                                     | \$3,705,101,875   | 1,224                       | 3,767                  | 31.6%                   | \$620,366,748                     | \$377,689,327                    | \$998,056,075                                    | 26.9%                    |
| Kuna           | 23,937                   | 8,831                         | 8,663                                     | \$3,886,826,099   | 22                          | 58                     | 0.2%                    | \$19,381,677                      | \$16,277,555                     | \$35,659,232                                     | 0.9%                     |
| Meridian       | 121,182                  | 40,812                        | 39,226                                    | \$28,959,315,273  | 626                         | 1,684                  | 1.4%                    | \$370,927,805                     | \$278,101,082                    | \$649,028,888                                    | 2.2%                     |
| Star           | 11,259                   | 5,065                         | 4,957                                     | \$2,845,160,473   | 117                         | 245                    | 2.2%                    | \$45,284,433                      | \$26,534,107                     | \$71,818,540                                     | 2.5%                     |
| Unincorporated | 64,626                   | 21,720                        | 21,506                                    | \$12,472,792,807  | 230                         | 655                    | 1.0%                    | \$117,691,227                     | \$71,735,057                     | \$189,426,285                                    | 1.5%                     |
| <b>Total</b>   | <b>494,399</b>           | <b>174,802</b>                | <b>166,212</b>                            | <b>\$122,988,683,223</b>                                | <b>4,432</b>                | <b>12,361</b>          | <b>2.5%</b>             | <b>\$3,085,717,605</b>            | <b>\$2,038,804,285</b>           | <b>\$5,124,521,890</b>                           | <b>4.2%</b>              |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor website.

(2) Values based off of 2021 tax assessor data provided by Ada County

(3) Percent of residential buildings exposed multiplied by the Estimated Population

(4) Calculated using a Census block level, general building stock (GBS) analysis in Hazus 5.

(5) Calculated using a Census block level, general building stock (GBS) analysis in Hazus 5.1, and adjusted to reflect the estimated population

(6) Calculated using a user-defined (UDF) analysis in Hazus 5.1

| Jurisdiction   | Economic Impact                |                             |   |                           |   |  |  |                             |
|----------------|--------------------------------|-----------------------------|---|---------------------------|---|--|--|-----------------------------|
|                | Structure Debris<br>(Tons) (4) | Displaced<br>Population (5) | People Requiring<br>Short-Term Shelter<br>(5) | Buildings Impacted<br>(6) | Value Structure in \$<br>Damaged<br>(6) | Value Contents in \$<br>Damaged<br>(6) | Total Value (Structure and<br>Contents in \$) Damaged<br>(6) | % of Total Value<br>Damaged |
| Boise          | 7,437                          | 1,042                       | 133   | 568                       | \$29,358,874                            | \$16,924,899                           | \$46,283,773   | 0.1%                        |
| Eagle          | 108                            | 466                         | 61  | 16                        | \$993,721                               | \$524,059                              | \$1,517,780  | 0.0%                        |
| Garden City    | 776                            | 2,225                       | 153   | 130                       | \$5,344,786                             | \$3,540,063                            | \$8,884,849  | 0.2%                        |
| Kuna           | 46                             | 4                           | 1   | 9                         | \$290,426                               | \$150,771                              | \$441,197  | 0.0%                        |
| Meridian       | 515                            | 231                         | 45  | 185                       | \$4,398,207                             | \$3,610,346                            | \$8,008,553  | 0.0%                        |
| Star           | 103                            | 92                          | 7   | 52                        | \$1,959,574                             | \$1,126,172                            | \$3,085,746  | 0.1%                        |
| Unincorporated | 609                            | 84                          | 16  | 77                        | \$6,725,995                             | \$12,248,103                           | \$18,974,098   | 0.2%                        |
| Total          | 9,595                          | 4,144                       | 416   | 1,037                     | \$49,071,584                            | \$38,124,412                           | \$87,195,996   | 0.1%                        |

Notes:

| Jurisdiction   |                     |  |            |            |             |          |            |           |       |
|----------------|---------------------|--|------------|------------|-------------|----------|------------|-----------|-------|
|                | Acres of Floodplain | Number of Structures in Floodplain (2) |            |            |             |          |            |           |       |
|                |                     | Residential                            | Commercial | Industrial | Agriculture | Religion | Government | Education | Total |
| Boise          | 2,386               | 1,361                                  | 104        | 0          | 1           | 0        | 2          | 2         | 1470  |
| Eagle          | 2,640               | 692                                    | 49         | 1          | 0           | 1        | 0          | 0         | 743   |
| Garden City    | 845                 | 1,158                                  | 62         | 0          | 0           | 3        | 1          | 0         | 1224  |
| Kuna           | 420                 | 21                                     | 0          | 0          | 0           | 0        | 0          | 1         | 22    |
| Meridian       | 590                 | 545                                    | 74         | 1          | 0           | 1        | 3          | 2         | 626   |
| Star           | 728                 | 108                                    | 9          | 0          | 0           | 0        | 0          | 0         | 117   |
| Unincorporated | 14,673              | 218                                    | 9          | 1          | 1           | 1        | 0          | 0         | 230   |
| Total          | 22,282              | 4,103                                  | 307        | 3          | 2           | 6        | 6          | 5         | 4432  |

Notes:

| Jurisdiction   | Estimated Population (1) | Total Number of Buildings (2) | Total Number of Residential Buildings (2) | Total Building Value (Structure and contents in \$) (2) | Estimated Building Exposure |                        |                         |                                   |                                  |  |                          |
|----------------|--------------------------|-------------------------------|---|---|-----------------------------|------------------------|-------------------------|-----------------------------------|----------------------------------|--|--------------------------|
|                |                          |                               |   |   | Buildings Exposed (2)       | Population Exposed (3) | % of Population Exposed | Value Structure in \$ Exposed (2) | Value Contents in \$ Exposed (2) | Value (Structure and contents in \$) Exposed (2) | % of Total Value Exposed |
| Boise          | 229,776                  | 81,552                        | 76,386                                    | \$61,280,836,767  | 11,717                      | 31,429                 | 13.7%                   | \$8,229,803,359                   | \$5,856,652,153                  | \$14,086,455,512                                 | 23.0%                    |
| Eagle          | 31,699                   | 12,437                        | 11,810                                    | \$9,838,649,929   | 2,714                       | 6,498                  | 20.5%                   | \$1,881,964,156                   | \$1,186,674,067                  | \$3,068,638,223                                  | 31.2%                    |
| Garden City    | 11,920                   | 4,385                         | 3,664                                     | \$3,705,101,875   | 3,535                       | 10,017                 | 84.0%                   | \$1,705,051,525                   | \$1,121,705,710                  | \$2,826,757,235                                  | 76.3%                    |
| Kuna           | 23,937                   | 8,831                         | 8,663                                     | \$3,886,826,099   | 22                          | 58                     | 0.2%                    | \$19,381,677                      | \$16,277,555                     | \$35,659,232                                     | 0.9%                     |
| Meridian       | 121,182                  | 40,812                        | 39,226                                    | \$28,959,315,273  | 1,596                       | 4,575                  | 3.8%                    | \$729,082,292                     | \$485,624,132                    | \$1,214,706,424                                  | 4.2%                     |
| Star           | 11,259                   | 5,065                         | 4,957                                     | \$2,845,160,473   | 887                         | 1,908                  | 16.9%                   | \$325,964,252                     | \$194,228,809                    | \$520,193,061                                    | 18.3%                    |
| Unincorporated | 64,626                   | 21,720                        | 21,506                                    | \$12,472,792,807  | 350                         | 974                    | 1.5%                    | \$218,495,513                     | \$139,530,081                    | \$358,025,594                                    | 2.9%                     |
| <b>Total</b>   | <b>494,399</b>           | <b>174,802</b>                | <b>166,212</b>                            | <b>\$122,988,683,223</b>                                | <b>20,821</b>               | <b>55,458</b>          | <b>11.2%</b>            | <b>\$13,109,742,774</b>           | <b>\$9,000,692,506</b>           | <b>\$22,110,435,281</b>                          | <b>18.0%</b>             |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor website.

(2) Values based off of 2021 tax assessor data provided by Ada County

(3) Percent of residential buildings exposed multiplied by the Estimated Population

(4) Calculated using a Census block level, general building stock (GBS) analysis in Hazus 5.

(5) Calculated using a Census block level, general building stock (GBS) analysis in Hazus 5.1, and adjusted to reflect the estimated population

(6) Calculated using a user-defined (UDF) analysis in Hazus 5.1

| Jurisdiction   | Economic Impact                |                             |   |                           |   |  |  |                             |
|----------------|--------------------------------|-----------------------------|---|---------------------------|---|--|--|-----------------------------|
|                | Structure Debris<br>(Tons) (4) | Displaced<br>Population (5) | People Requiring<br>Short-Term Shelter<br>(5) | Buildings Impacted<br>(6) | Value Structure in \$<br>Damaged<br>(6) | Value Contents in \$<br>Damaged<br>(6) | Total Value (Structure and<br>Contents in \$) Damaged<br>(6) | % of Total Value<br>Damaged |
| Boise          | 515,520                        | 20,532                      | 1,070   | 10,626                    | \$1,000,297,727                         | \$1,153,983,725                        | \$2,154,281,452  | 3.5%                        |
| Eagle          | 21,743                         | 3,562                       | 226   | 1,086                     | \$149,359,357                           | \$201,632,462                          | \$350,991,819  | 3.6%                        |
| Garden City    | 79,607                         | 8,679                       | 405   | 3,235                     | \$292,165,606                           | \$288,077,249                          | \$580,242,855  | 15.7%                       |
| Kuna           | 138                            | 4                           | 1   | 13                        | \$703,406                               | \$377,929                              | \$1,081,336  | 0.0%                        |
| Meridian       | 14,043                         | 1,246                       | 125   | 1,049                     | \$93,542,910                            | \$75,706,549                           | \$169,249,459  | 0.6%                        |
| Star           | 3,592                          | 1,074                       | 54  | 544                       | \$36,998,042                            | \$28,169,821                           | \$65,167,862   | 2.3%                        |
| Unincorporated | 3,721                          | 151                         | 23  | 181                       | \$17,174,017                            | \$19,018,506                           | \$36,192,523   | 0.3%                        |
| Total          | 638,364                        | 35,247                      | 1,904   | 16,734                    | \$1,590,241,066                         | \$1,766,966,241                        | \$3,357,207,306  | 2.7%                        |

Notes:

| Jurisdiction   |                     |  |            |            |             |          |            |           |       |
|----------------|---------------------|--|------------|------------|-------------|----------|------------|-----------|-------|
|                | Acres of Floodplain | Number of Structures in Floodplain (2) |            |            |             |          |            |           |       |
|                |                     | Residential                            | Commercial | Industrial | Agriculture | Religion | Government | Education | Total |
| Boise          | 6,398               | 10,448                                 | 1,172      | 1          | 10          | 23       | 45         | 18        | 11717 |
| Eagle          | 4,046               | 2,421                                  | 279        | 1          | 1           | 3        | 9          | 0         | 2714  |
| Garden City    | 2,092               | 3,079                                  | 445        | 0          | 2           | 4        | 3          | 2         | 3535  |
| Kuna           | 420                 | 21                                     | 0          | 0          | 0           | 0        | 0          | 1         | 22    |
| Meridian       | 976                 | 1,481                                  | 106        | 1          | 0           | 3        | 3          | 2         | 1596  |
| Star           | 1,205               | 840                                    | 39         | 0          | 1           | 5        | 2          | 0         | 887   |
| Unincorporated | 16,542              | 324                                    | 22         | 1          | 2           | 1        | 0          | 0         | 350   |
| Total          | 31,679              | 18,614                                 | 2063       | 4          | 16          | 39       | 62         | 23        | 20821 |

Notes:

| Jurisdiction   | Estimated Population (1) | Total Number of Buildings (2) | Total Number of Residential Buildings (2) | Total Building Value (Structure and contents in \$) (2) | Landslide Category Greater than 30% Slope (3) |                        |                         |                                   |                                  |  |                  |
|----------------|--------------------------|-------------------------------|---|---|---|------------------------|-------------------------|-----------------------------------|----------------------------------|--|------------------|
|                |                          |                               |   |   | Estimated Exposure                            |                        |                         |                                   |                                  |  |                  |
|                |                          |                               |   |   | Estimated Buildings Exposed (2)               | Population Exposed (4) | % of Population Exposed | Value Structure in \$ Exposed (2) | Value Contents in \$ Exposed (2) | Value (Structure and contents in \$) Exposed (2) | % of Total Value |
| Boise          | 229,776                  | 81,552                        | 76,386                                    | \$61,280,836,767  | 436   | 1,309                  | 0.6%                    | \$178,842,812                     | \$89,671,917                     | \$268,514,729                                    | 0.4%             |
| Eagle          | 31,699                   | 12,437                        | 11,810                                    | \$9,838,649,929   | 16  | 43                     | 0.1%                    | \$5,633,927                       | \$2,816,963                      | \$8,450,890                                      | 0.1%             |
| Garden City    | 11,920                   | 4,385                         | 3,664                                     | \$3,705,101,875   | 0   | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%             |
| Kuna           | 23,937                   | 8,831                         | 8,663                                     | \$3,886,826,099   | 0   | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%             |
| Meridian       | 121,182                  | 40,812                        | 39,226                                    | \$28,959,315,273  | 1   | 3                      | 0.0%                    | \$332,839                         | \$166,419                        | \$499,258  | 0.00%            |
| Star           | 11,259                   | 5,065                         | 4,957                                     | \$2,845,160,473   | 0   | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%             |
| Unincorporated | 64,626                   | 21,720                        | 21,506                                    | \$12,472,792,807  | 97  | 279                    | 0.4%                    | \$46,154,003                      | \$25,268,272                     | \$71,422,275                                     | 0.6%             |
| <b>Total</b>   | <b>494,399</b>           | <b>174,802</b>                | <b>166,212</b>                            | <b>122,988,683,223</b>                                  | <b>550</b>                                    | <b>1,634</b>           | <b>0.3%</b>             | <b>\$230,963,580</b>              | <b>\$117,923,572</b>             | <b>\$348,887,153</b>                             | <b>0.3%</b>      |

| Jurisdiction   | Estimated Population (1) | Total Number of Buildings (2) | Total Number of Residential Buildings (2) | Total Building Value (Structure and contents in \$) (2) | Landslide Category 15-30% Slope (3) |                        |                         |                                   |                                  |  |                  |
|----------------|--------------------------|-------------------------------|---|---|-------------------------------------|------------------------|-------------------------|-----------------------------------|----------------------------------|--|------------------|
|                |                          |                               |   |   | Estimated Exposure                  |                        |                         |                                   |                                  |  |                  |
|                |                          |                               |   |   | Estimated Buildings Exposed (2)     | Population Exposed (4) | % of Population Exposed | Value Structure in \$ Exposed (2) | Value Contents in \$ Exposed (2) | Value (Structure and contents in \$) Exposed (2) | % of Total Value |
| Boise          | 229,776                  | 81,552                        | 76,386                                    | \$61,280,836,767  | 1,976                               | 5,899                  | 2.6%                    | \$848,951,056                     | \$437,350,990                    | \$1,286,302,046                                  | 2.1%             |
| Eagle          | 31,699                   | 12,437                        | 11,810                                    | \$9,838,649,929   | 102                                 | 274                    | 0.9%                    | \$73,690,306                      | \$36,845,153                     | \$110,535,459                                    | 1.1%             |
| Garden City    | 11,920                   | 4,385                         | 3,664                                     | \$3,705,101,875   | 3                                   | 0                      | 0.0%                    | \$2,517,835                       | \$2,517,835                      | \$5,035,671                                      | 0.1%             |
| Kuna           | 23,937                   | 8,831                         | 8,663                                     | \$3,886,826,099   | 0                                   | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%             |
| Meridian       | 121,182                  | 40,812                        | 39,226                                    | \$28,959,315,273  | 29                                  | 87                     | 0.1%                    | \$10,968,363                      | \$5,888,610                      | \$16,856,973                                     | 0.1%             |
| Star           | 11,259                   | 5,065                         | 4,957                                     | \$2,845,160,473   | 14                                  | 32                     | 0.3%                    | \$5,086,178                       | \$2,543,089                      | \$7,629,267                                      | 0.3%             |
| Unincorporated | 64,626                   | 21,720                        | 21,506                                    | \$12,472,792,807  | 540                                 | 1,611                  | 2.5%                    | \$258,009,979                     | \$129,824,504                    | \$387,834,483                                    | 3.1%             |
| <b>Total</b>   | <b>494,399</b>           | <b>174,802</b>                | <b>166,212</b>                            | <b>122,988,683,223</b>                                  | <b>2,664</b>                        | <b>7,902</b>           | <b>1.6%</b>             | <b>\$1,199,223,718</b>            | <b>\$614,970,181</b>             | <b>\$1,814,193,899</b>                           | <b>1.5%</b>      |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor websi

(2) Values based off of 2021 tax assessor data provided by Ada County

(3) Slope data created from Boise Foothills DEM (from 2015 LiDAR) and USGS 10m-resolution DEM

(4) Percent of residential buildings exposed multiplied by the Estimated Populatio



| Jurisdiction   | Number of Structures in Category Greater than 30% Slope (2) |            |            |             |          |            |           |            |
|----------------|---|------------|------------|-------------|----------|------------|-----------|------------|
|                | Residential   | Commercial | Industrial | Agriculture | Religion | Government | Education | Total      |
| Boise          | 435   | 1          | 0          | 0           | 0        | 0          | 0         | 436        |
| Eagle          | 16  | 0          | 0          | 0           | 0        | 0          | 0         | 16         |
| Garden City    | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0          |
| Kuna           | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0          |
| Meridian       | 1   | 0          | 0          | 0           | 0        | 0          | 0         | 1          |
| Star           | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0          |
| Unincorporated | 93  | 4          | 0          | 0           | 0        | 0          | 0         | 97         |
| <b>Total</b>   | <b>545</b>  | <b>5</b>   | <b>0</b>   | <b>0</b>    | <b>0</b> | <b>0</b>   | <b>0</b>  | <b>550</b> |

| Jurisdiction   | Number of Structures in Category 15-30% Slope (2) |            |            |             |          |            |           |              |
|----------------|---|------------|------------|-------------|----------|------------|-----------|--------------|
|                | Residential                                       | Commercial | Industrial | Agriculture | Religion | Government | Education | Total        |
| Boise          | 1,961   | 14         | 0          | 0           | 1        | 0          | 0         | 1,976        |
| Eagle          | 102   | 0          | 0          | 0           | 0        | 0          | 0         | 102          |
| Garden City    | 0   | 3          | 0          | 0           | 0        | 0          | 0         | 3            |
| Kuna           | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0            |
| Meridian       | 28  | 1          | 0          | 0           | 0        | 0          | 0         | 29           |
| Star           | 14  | 0          | 0          | 0           | 0        | 0          | 0         | 14           |
| Unincorporated | 536   | 4          | 0          | 0           | 0        | 0          | 0         | 540          |
| <b>Total</b>   | <b>2,641</b>                                      | <b>22</b>  | <b>0</b>   | <b>0</b>    | <b>1</b> | <b>0</b>   | <b>0</b>  | <b>2,664</b> |

Notes:

| Jurisdiction   | Estimated Population (1) | Total Number of Buildings (2) | Total Number of Residential Buildings (2) | Total Building Value (Structure and contents in \$) (2) | Wildfire Hazard Category High (3) |                        |                         |                                   |                                  |  |                  |
|----------------|--------------------------|-------------------------------|---|---|-----------------------------------|------------------------|-------------------------|-----------------------------------|----------------------------------|--|------------------|
|                |                          |                               |   |   | Estimated Exposure                |                        |                         |                                   |                                  |  |                  |
|                |                          |                               |   |   | Estimated Buildings Exposed (2)   | Population Exposed (4) | % of Population Exposed | Value Structure in \$ Exposed (2) | Value Contents in \$ Exposed (2) | Value (Structure and contents in \$) Exposed (2) | % of Total Value |
| Boise          | 229,776                  | 81,552                        | 76,386                                    | \$61,280,836,767  | 3,434                             | 10,315                 | 4.5%                    | \$1,770,215,793                   | \$929,177,639                    | \$2,699,393,432                                  | 4.4%             |
| Eagle          | 31,699                   | 12,437                        | 11,810                                    | \$9,838,649,929   | 70                                | 188                    | 0.6%                    | \$21,530,853                      | \$10,765,426                     | \$32,296,279                                     | 0.3%             |
| Garden City    | 11,920                   | 4,385                         | 3,664                                     | \$3,705,101,875   | 0                                 | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%             |
| Kuna           | 23,937                   | 8,831                         | 8,663                                     | \$3,886,826,099   | 0                                 | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%             |
| Meridian       | 121,182                  | 40,812                        | 39,226                                    | \$28,959,315,273  | 0                                 | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%             |
| Star           | 11,259                   | 5,065                         | 4,957                                     | \$2,845,160,473   | 0                                 | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%             |
| Unincorporated | 64,626                   | 21,720                        | 21,506                                    | \$12,472,792,807  | 2,535                             | 7,573                  | 11.7%                   | \$1,190,302,910                   | \$607,159,249                    | \$1,797,462,158                                  | 14.4%            |
| <b>Total</b>   | <b>494,399</b>           | <b>174,802</b>                | <b>166,212</b>                            | <b>122,988,683,223</b>                                  | <b>6,039</b>                      | <b>18,075</b>          | <b>3.7%</b>             | <b>\$2,982,049,555</b>            | <b>\$1,547,102,314</b>           | <b>\$4,529,151,869</b>                           | <b>3.7%</b>      |

| Jurisdiction   | Estimated Population (1) | Total Number of Buildings (2) | Total Number of Residential Buildings (2) | Total Building Value (Structure and contents in \$) (2) | Wildfire Hazard Category Moderate (3) |                        |                         |                                   |                                  |  |                  |
|----------------|--------------------------|-------------------------------|---|---|---------------------------------------|------------------------|-------------------------|-----------------------------------|----------------------------------|--|------------------|
|                |                          |                               |   |   | Estimated Exposure                    |                        |                         |                                   |                                  |  |                  |
|                |                          |                               |   |   | Estimated Buildings Exposed (2)       | Population Exposed (4) | % of Population Exposed | Value Structure in \$ Exposed (2) | Value Contents in \$ Exposed (2) | Value (Structure and contents in \$) Exposed (2) | % of Total Value |
| Boise          | 229,776                  | 81,552                        | 76,386                                    | \$61,280,836,767  | 5,700                                 | 16,593                 | 7.2%                    | \$2,285,803,448                   | \$1,352,489,488                  | \$3,638,292,936                                  | 5.9%             |
| Eagle          | 31,699                   | 12,437                        | 11,810                                    | \$9,838,649,929   | 1,545                                 | 4,056                  | 12.8%                   | \$1,000,699,140                   | \$532,145,055                    | \$1,532,844,195                                  | 15.6%            |
| Garden City    | 11,920                   | 4,385                         | 3,664                                     | \$3,705,101,875   | 19                                    | 62                     | 0.5%                    | \$11,675,144                      | \$5,837,572                      | \$17,512,716                                     | 0.5%             |
| Kuna           | 23,937                   | 8,831                         | 8,663                                     | \$3,886,826,099   | 4                                     | 11                     | 0.0%                    | \$1,378,646                       | \$689,323                        | \$2,067,968                                      | 0.1%             |
| Meridian       | 121,182                  | 40,812                        | 39,226                                    | \$28,959,315,273  | 0                                     | 0                      | 0.0%                    | \$0                               | \$0                              | \$0  | 0.0%             |
| Star           | 11,259                   | 5,065                         | 4,957                                     | \$2,845,160,473   | 205                                   | 466                    | 4.1%                    | \$69,937,654                      | \$34,968,827                     | \$104,906,482                                    | 3.7%             |
| Unincorporated | 64,626                   | 21,720                        | 21,506                                    | \$12,472,792,807  | 1,838                                 | 5,445                  | 8.4%                    | \$1,048,703,413                   | \$808,192,147                    | \$1,856,895,561                                  | 14.9%            |
| <b>Total</b>   | <b>494,399</b>           | <b>174,802</b>                | <b>166,212</b>                            | <b>122,988,683,223</b>                                  | <b>9,311</b>                          | <b>26,632</b>          | <b>5.4%</b>             | <b>\$4,418,197,446</b>            | <b>\$2,734,322,412</b>           | <b>\$7,152,519,858</b>                           | <b>5.8%</b>      |

Notes: (1) 2020 estimates from "Population Decennial Census & Annual Estimates" downloaded from Idaho Department of Labor websi  
(2) Values based off of 2021 tax assessor data provided by Ada County  
(3) Hazard XXX data provided by XXX.  
(4) Percent of residential buildings exposed multiplied by the Estimated Population

| Jurisdiction   | Number of Structures in Category High(2) |            |            |             |          |            |           |              |
|----------------|--|------------|------------|-------------|----------|------------|-----------|--------------|
|                | Residential                              | Commercial | Industrial | Agriculture | Religion | Government | Education | Total        |
| Boise          | 3,429                                    | 5          | 0          | 0           | 0        | 0          | 0         | 3,434        |
| Eagle          | 70                                       | 0          | 0          | 0           | 0        | 0          | 0         | 70           |
| Garden City    | 0  | 0          | 0          | 0           | 0        | 0          | 0         | 0            |
| Kuna           | 0  | 0          | 0          | 0           | 0        | 0          | 0         | 0            |
| Meridian       | 0  | 0          | 0          | 0           | 0        | 0          | 0         | 0            |
| Star           | 0  | 0          | 0          | 0           | 0        | 0          | 0         | 0            |
| Unincorporated | 2,520                                    | 12         | 1          | 1           | 0        | 1          | 0         | 2,535        |
| <b>Total</b>   | <b>6,019</b>                             | <b>17</b>  | <b>1</b>   | <b>1</b>    | <b>0</b> | <b>1</b>   | <b>0</b>  | <b>6,039</b> |

| Jurisdiction   | Number of Structures in Category Moderate (2) |            |            |             |          |            |           |              |
|----------------|---|------------|------------|-------------|----------|------------|-----------|--------------|
|                | Residential                                   | Commercial | Industrial | Agriculture | Religion | Government | Education | Total        |
| Boise          | 5,516   | 173        | 3          | 0           | 5        | 2          | 1         | 5,700        |
| Eagle          | 1,511   | 33         | 0          | 0           | 0        | 1          | 0         | 1,545        |
| Garden City    | 19  | 0          | 0          | 0           | 0        | 0          | 0         | 19           |
| Kuna           | 4   | 0          | 0          | 0           | 0        | 0          | 0         | 4            |
| Meridian       | 0   | 0          | 0          | 0           | 0        | 0          | 0         | 0            |
| Star           | 205   | 0          | 0          | 0           | 0        | 0          | 0         | 205          |
| Unincorporated | 1,812   | 22         | 3          | 0           | 0        | 1          | 0         | 1,838        |
| <b>Total</b>   | <b>9,067</b>                                  | <b>228</b> | <b>6</b>   | <b>0</b>    | <b>5</b> | <b>4</b>   | <b>1</b>  | <b>9,311</b> |

Notes:

# Risk Ranking

| RISK RANKING-Dam Failure - Blacks Creek |                                       |                              |                      |                                  |               |                        |                          |                                  |               |                        |
|---|---------------------------------------|------------------------------|----------------------|----------------------------------|---------------|------------------------|--------------------------|----------------------------------|---------------|------------------------|
| Probability                             |                                       |                              | Impact on People     |                                  |               |                        | Impact on Property       |                                  |               |                        |
|   | Probability (High, Medium, Low, None) | Probability Factor (3,2,1,0) | % Population Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | % of Total Value Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor |
| Boise                                   | None                                  | 0                            | 0.00%                | None                             | 0             | 0                      | 0.00%                    | None                             | 0             | 0                      |
| Eagle                                   | None                                  | 0                            | 0.00%                | None                             | 0             | 0                      | 0.00%                    | None                             | 0             | 0                      |
| Garden City                             | None                                  | 0                            | 0.00%                | None                             | 0             | 0                      | 0.00%                    | None                             | 0             | 0                      |
| Kuna                                    | None                                  | 0                            | 0.00%                | None                             | 0             | 0                      | 0.00%                    | None                             | 0             | 0                      |
| Meridian                                | Low                                   | 1                            | 4.86%                | Low                              | 1             | 3                      | 4.80%                    | Low                              | 1             | 2                      |
| Star                                    | None                                  | 0                            | 0.00%                | None                             | 0             | 0                      | 0.00%                    | None                             | 0             | 0                      |
| Unincorporated                          | Low                                   | 1                            | 0.63%                | Low                              | 1             | 3                      | 0.65%                    | Low                              | 1             | 2                      |
| Total                                   | None                                  | 0                            | 1.27%                | Low                              | 1             | 3                      | 1.19%                    | Low                              | 1             | 2                      |

| Impact on Economy |                          |                                  |               |                        |                    |                    |
|-------------------|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
|                   | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise             | 0.00%                    | None                             | 0             | 0                      | 0                  | Low                |
| Eagle             | 0.00%                    | None                             | 0             | 0                      | 0                  | Low                |
| Garden City       | 0.00%                    | None                             | 0             | 0                      | 0                  | Low                |
| Kuna              | 0.00%                    | None                             | 0             | 0                      | 0                  | Low                |
| Meridian          | 0.52%                    | Low                              | 1             | 1                      | 6                  | Low                |
| Star              | 0.00%                    | None                             | 0             | 0                      | 0                  | Low                |
| Unincorporated    | 0.08%                    | Low                              | 1             | 1                      | 6                  | Low                |
| Total             | 0.13%                    | Low                              | 1             | 1                      | 0                  | Low                |

| RISK RANKING-Dam Failure - Lucky Peak |                                       |                              |                      |                                  |               |                        |                          |                                  |               |                        |
|---------------------------------------|---------------------------------------|------------------------------|----------------------|----------------------------------|---------------|------------------------|--------------------------|----------------------------------|---------------|------------------------|
| Probability                           |                                       |                              | Impact on People     |                                  |               |                        | Impact on Property       |                                  |               |                        |
|                                       | Probability (High, Medium, Low, None) | Probability Factor (3,2,1,0) | % Population Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | % of Total Value Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor |
| Boise                                 | Low                                   | 1                            | 31.38%               | High                             | 3             | 9                      | 35.00%                   | High                             | 3             | 6                      |
| Eagle                                 | Low                                   | 1                            | 50.46%               | High                             | 3             | 9                      | 56.89%                   | High                             | 3             | 6                      |
| Garden City                           | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 98.90%                   | High                             | 3             | 6                      |
| Kuna                                  | None                                  | 0                            | 0.00%                | None                             | 0             | 0                      | 0.00%                    | None                             | 0             | 0                      |
| Meridian                              | None                                  | 0                            | 0.00%                | None                             | 0             | 0                      | 0.00%                    | None                             | 0             | 0                      |
| Star                                  | Low                                   | 1                            | 82.73%               | High                             | 3             | 9                      | 82.97%                   | High                             | 3             | 6                      |
| Unincorporated                        | Low                                   | 1                            | 1.63%                | Low                              | 1             | 3                      | 3.77%                    | Low                              | 1             | 2                      |
| Total                                 | Low                                   | 1                            | 22.33%               | Medium                           | 2             | 6                      | 27.27%                   | High                             | 3             | 6                      |

| Impact on Economy |                          |                                  |               |                        |                    |                    |
|-------------------|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
|                   | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise             | 24.56%                   | High                             | 3             | 3                      | 18                 | Medium             |
| Eagle             | 38.31%                   | High                             | 3             | 3                      | 18                 | Medium             |
| Garden City       | 74.87%                   | High                             | 3             | 3                      | 18                 | Medium             |
| Kuna              | 0.00%                    | None                             | 0             | 0                      | 0                  | Low                |
| Meridian          | 0.00%                    | None                             | 0             | 0                      | 0                  | Low                |
| Star              | 57.32%                   | High                             | 3             | 3                      | 18                 | Medium             |
| Unincorporated    | 2.41%                    | Low                              | 1             | 1                      | 6                  | Low                |
| Total             | 19.13%                   | High                             | 3             | 3                      | 15                 | Low                |



| RISK RANKING   |                                       |                              |                      |                                  |               |                        |                          |                                  |               |                        |
|----------------|---------------------------------------|------------------------------|----------------------|----------------------------------|---------------|------------------------|--------------------------|----------------------------------|---------------|------------------------|
|                | Probability                           |                              | Impact on People     |                                  |               |                        | Impact on Property       |                                  |               |                        |
|                | Probability (High, Medium, Low, None) | Probability Factor (3,2,1,0) | % Population Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | % of Total Value Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor |
| Boise          | Medium                                | 2                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Eagle          | Medium                                | 2                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Garden City    | Medium                                | 2                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Kuna           | Medium                                | 2                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Meridian       | Medium                                | 2                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Star           | Medium                                | 2                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Unincorporated | Medium                                | 2                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| TOTAL          | Medium                                | 2                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |

| 3-Earthquake - 100-year Probabilistic |                          |                                  |               |                        |                    |                    |
|---------------------------------------|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
| Impact on Economy                     |                          |                                  |               |                        |                    |                    |
|                                       | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise                                 | 0.00%                    | None                             | 0             | 0                      | 30                 | Medium             |
| Eagle                                 | 0.00%                    | None                             | 0             | 0                      | 30                 | Medium             |
| Garden City                           | 0.00%                    | None                             | 0             | 0                      | 30                 | Medium             |
| Kuna                                  | 0.00%                    | None                             | 0             | 0                      | 30                 | Medium             |
| Meridian                              | 0.00%                    | None                             | 0             | 0                      | 30                 | Medium             |
| Star                                  | 0.00%                    | None                             | 0             | 0                      | 30                 | Medium             |
| Unincorporated                        | 0.00%                    | None                             | 0             | 0                      | 30                 | Medium             |
| TOTAL                                 | 0.00%                    | None                             | 0             | 0                      | 30                 | Medium             |

| RISK RANKING   |   |                                 |                         |                                     |               |                           |                             |                                     |               |                           |
|----------------|---|---------------------------------|-------------------------|-------------------------------------|---------------|---------------------------|-----------------------------|-------------------------------------|---------------|---------------------------|
|                | Probability                                 |                                 | Impact on People        |                                     |               |                           | Impact on Property          |                                     |               |                           |
|                | Probability<br>(High, Medium,<br>Low, None) | Probability<br>Factor (3,2,1,0) | % Population<br>Exposed | Impact (High, Medium,<br>Low, None) | Impact Factor | Weighted Impact<br>Factor | % of Total<br>Value Exposed | Impact (High,<br>Medium, Low, None) | Impact Factor | Weighted Impact<br>Factor |
| Boise          | Low   | 1                               | 100.00%                 | High                                | 3             | 9                         | 100.00%                     | High                                | 3             | 6                         |
| Eagle          | Low   | 1                               | 100.00%                 | High                                | 3             | 9                         | 100.00%                     | High                                | 3             | 6                         |
| Garden City    | Low   | 1                               | 100.00%                 | High                                | 3             | 9                         | 100.00%                     | High                                | 3             | 6                         |
| Kuna           | Low   | 1                               | 100.00%                 | High                                | 3             | 9                         | 100.00%                     | High                                | 3             | 6                         |
| Meridian       | Low   | 1                               | 100.00%                 | High                                | 3             | 9                         | 100.00%                     | High                                | 3             | 6                         |
| Star           | Low   | 1                               | 100.00%                 | High                                | 3             | 9                         | 100.00%                     | High                                | 3             | 6                         |
| Unincorporated | Low   | 1                               | 100.00%                 | High                                | 3             | 9                         | 100.00%                     | High                                | 3             | 6                         |
| TOTAL          | Low   | 1                               | 100.00%                 | High                                | 3             | 9                         | 100.00%                     | High                                | 3             | 6                         |

| -Earthquake - 500-year Probabilistic |                          |                                  |               |                        |                    |                    |
|--------------------------------------|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
| Impact on Economy                    |                          |                                  |               |                        |                    |                    |
|                                      | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise                                | 0.12%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Eagle                                | 0.09%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Garden City                          | 0.11%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Kuna                                 | 0.05%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Meridian                             | 0.08%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Star                                 | 0.28%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Unincorporated                       | 0.07%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| TOTAL                                | 0.10%                    | Low                              | 1             | 1                      | 16                 | Medium             |

| RISK RANKING   |                                       |                              |                      |                                  |               |                        |                          |                                  |               |                        |
|----------------|---------------------------------------|------------------------------|----------------------|----------------------------------|---------------|------------------------|--------------------------|----------------------------------|---------------|------------------------|
|                | Probability                           |                              | Impact on People     |                                  |               |                        | Impact on Property       |                                  |               |                        |
|                | Probability (High, Medium, Low, None) | Probability Factor (3,2,1,0) | % Population Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | % of Total Value Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor |
| Boise          | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Eagle          | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Garden City    | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Kuna           | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Meridian       | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Star           | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Unincorporated | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| TOTAL          | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |

| EQ-Earthquake - Squaw Creek M7.03 |                          |                                  |               |                        |                    |                    |
|-----------------------------------|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
| Impact on Economy                 |                          |                                  |               |                        |                    |                    |
|                                   | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise                             | 0.60%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Eagle                             | 1.32%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Garden City                       | 2.86%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Kuna                              | 0.13%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Meridian                          | 0.46%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Star                              | 1.14%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Unincorporated                    | 0.32%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| TOTAL                             | 0.66%                    | Low                              | 1             | 1                      | 16                 | Medium             |

| RISK RANKING-Ea |                                       |                              |                      |                                  |               |                        |                          |                                  |               |                        |
|-----------------|---------------------------------------|------------------------------|----------------------|----------------------------------|---------------|------------------------|--------------------------|----------------------------------|---------------|------------------------|
|                 | Probability                           |                              | Impact on People     |                                  |               |                        | Impact on Property       |                                  |               |                        |
|                 | Probability (High, Medium, Low, None) | Probability Factor (3,2,1,0) | % Population Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | % of Total Value Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor |
| Boise           | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Eagle           | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Garden City     | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Kuna            | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Meridian        | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Star            | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| Unincorporated  | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |
| TOTAL           | Low                                   | 1                            | 100.00%              | High                             | 3             | 9                      | 100.00%                  | High                             | 3             | 6                      |

| Earthquake - Big Flat - Jake Creek M6.81 |                          |                                  |               |                        |                    |                    |
|--|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
| Impact on Economy                        |                          |                                  |               |                        |                    |                    |
|  | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise                                    | 0.10%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Eagle                                    | 0.14%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Garden City                              | 0.15%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Kuna                                     | 0.03%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Meridian                                 | 0.11%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Star                                     | 0.14%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| Unincorporated                           | 0.07%                    | Low                              | 1             | 1                      | 16                 | Medium             |
| TOTAL                                    | 0.10%                    | Low                              | 1             | 1                      | 16                 | Medium             |



| RISK RANKING-Flood - 100-year |                                       |                              |                      |                                  |               |                        |                          |                                  |               |                        |
|-------------------------------|---------------------------------------|------------------------------|----------------------|----------------------------------|---------------|------------------------|--------------------------|----------------------------------|---------------|------------------------|
| Probability                   |                                       | Impact on People             |                      |                                  |               |                        | Impact on Property       |                                  |               |                        |
|                               | Probability (High, Medium, Low, None) | Probability Factor (3,2,1,0) | % Population Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | % of Total Value Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor |
| Boise                         | High                                  | 3                            | 1.78%                | Low                              | 1             | 3                      | 3.43%                    | Low                              | 1             | 2                      |
| Eagle                         | High                                  | 3                            | 5.86%                | Low                              | 1             | 3                      | 10.95%                   | Medium                           | 2             | 4                      |
| Garden City                   | High                                  | 3                            | 31.60%               | High                             | 3             | 9                      | 26.94%                   | High                             | 3             | 6                      |
| Kuna                          | High                                  | 3                            | 0.24%                | Low                              | 1             | 3                      | 0.92%                    | Low                              | 1             | 2                      |
| Meridian                      | High                                  | 3                            | 1.39%                | Low                              | 1             | 3                      | 2.24%                    | Low                              | 1             | 2                      |
| Star                          | High                                  | 3                            | 2.18%                | Low                              | 1             | 3                      | 2.52%                    | Low                              | 1             | 2                      |
| Unincorporated                | High                                  | 3                            | 1.01%                | Low                              | 1             | 3                      | 1.52%                    | Low                              | 1             | 2                      |
| Total                         | High                                  | 3                            | 2.50%                | Low                              | 1             | 3                      | 4.17%                    | Low                              | 1             | 2                      |

| Impact on Economy |                          |                                  |               |                        |                    |                    |
|-------------------|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
|                   | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise             | 0.08%                    | Low                              | 1             | 1                      | 18                 | Medium             |
| Eagle             | 0.02%                    | Low                              | 1             | 1                      | 24                 | Medium             |
| Garden City       | 0.24%                    | Low                              | 1             | 1                      | 48                 | High               |
| Kuna              | 0.01%                    | Low                              | 1             | 1                      | 18                 | Medium             |
| Meridian          | 0.03%                    | Low                              | 1             | 1                      | 18                 | Medium             |
| Star              | 0.11%                    | Low                              | 1             | 1                      | 18                 | Medium             |
| Unincorporated    | 0.15%                    | Low                              | 1             | 1                      | 18                 | Medium             |
| Total             | 0.07%                    | Low                              | 1             | 1                      | 18                 | Medium             |

| RISK RANKING-Flood - 500-year |                                       |                              |                      |                                  |               |                        |                          |                                  |               |                        |
|-------------------------------|---------------------------------------|------------------------------|----------------------|----------------------------------|---------------|------------------------|--------------------------|----------------------------------|---------------|------------------------|
|                               | Probability                           |                              | Impact on People     |                                  |               |                        | Impact on Property       |                                  |               |                        |
|                               | Probability (High, Medium, Low, None) | Probability Factor (3,2,1,0) | % Population Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | % of Total Value Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor |
| Boise                         | Medium                                | 2                            | 13.68%               | Medium                           | 2             | 6                      | 22.99%                   | Medium                           | 2             | 4                      |
| Eagle                         | Medium                                | 2                            | 20.50%               | Medium                           | 2             | 6                      | 31.19%                   | High                             | 3             | 6                      |
| Garden City                   | Medium                                | 2                            | 84.03%               | High                             | 3             | 9                      | 76.29%                   | High                             | 3             | 6                      |
| Kuna                          | Medium                                | 2                            | 0.24%                | Low                              | 1             | 3                      | 0.92%                    | Low                              | 1             | 2                      |
| Meridian                      | Medium                                | 2                            | 3.78%                | Low                              | 1             | 3                      | 4.19%                    | Low                              | 1             | 2                      |
| Star                          | Medium                                | 2                            | 16.95%               | Medium                           | 2             | 6                      | 18.28%                   | Medium                           | 2             | 4                      |
| Unincorporated                | Medium                                | 2                            | 1.51%                | Low                              | 1             | 3                      | 2.87%                    | Low                              | 1             | 2                      |
| Total                         | Medium                                | 2                            | 11.22%               | Medium                           | 2             | 6                      | 17.98%                   | Medium                           | 2             | 4                      |

| Impact on Economy |                          |                                  |               |                        |                    |                    |
|-------------------|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
|                   | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise             | 3.52%                    | Low                              | 1             | 1                      | 22                 | Medium             |
| Eagle             | 3.57%                    | Low                              | 1             | 1                      | 26                 | Medium             |
| Garden City       | 15.66%                   | High                             | 3             | 3                      | 36                 | High               |
| Kuna              | 0.03%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Meridian          | 0.58%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Star              | 2.29%                    | Low                              | 1             | 1                      | 22                 | Medium             |
| Unincorporated    | 0.29%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Total             | 2.73%                    | Low                              | 1             | 1                      | 22                 | Medium             |

| RISK RANKING- Landslide Hazard (Categories Greater than 30% Slope & 1 |                                       |                              |                      |                                  |               |                        |                          |                                  |               |                        |
|---|---------------------------------------|------------------------------|----------------------|----------------------------------|---------------|------------------------|--------------------------|----------------------------------|---------------|------------------------|
| Probability   |                                       | Impact on People             |                      |                                  |               | Impact on Property     |                          |                                  |               |                        |
|   | Probability (High, Medium, Low, None) | Probability Factor (3,2,1,0) | % Population Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | % of Total Value Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor |
| Boise   | Medium                                | 2                            | 3.14%                | Low                              | 1             | 3                      | 2.54%                    | Low                              | 1             | 2                      |
| Eagle   | Medium                                | 2                            | 1.00%                | Low                              | 1             | 3                      | 1.21%                    | Low                              | 1             | 2                      |
| Garden City   | Low                                   | 1                            | 0.00%                | None                             | 0             | 0                      | 0.14%                    | Low                              | 1             | 2                      |
| Kuna  | Medium                                | 2                            | 0.00%                | None                             | 0             | 0                      | 0.00%                    | None                             | 0             | 0                      |
| Meridian  | Low                                   | 1                            | 0.07%                | Low                              | 1             | 3                      | 0.06%                    | Low                              | 1             | 2                      |
| Star  | Medium                                | 2                            | 0.28%                | Low                              | 1             | 3                      | 0.27%                    | Low                              | 1             | 2                      |
| Unincorporated  | Medium                                | 2                            | 2.92%                | Low                              | 1             | 3                      | 3.68%                    | Low                              | 1             | 2                      |
| Total   | Medium                                | 2                            | 1.93%                | Low                              | 1             | 3                      | 1.76%                    | Low                              | 1             | 2                      |

| 5-30% Slope)      |                          |                                  |               |                        |                    |                    |
|-------------------|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
| Impact on Economy |                          |                                  |               |                        |                    |                    |
|                   | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise             | 0.63%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Eagle             | 0.30%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Garden City       | 0.03%                    | Low                              | 1             | 1                      | 3                  | Low                |
| Kuna              | 0.00%                    | None                             | 0             | 0                      | 0                  | Low                |
| Meridian          | 0.01%                    | Low                              | 1             | 1                      | 6                  | Low                |
| Star              | 0.07%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Unincorporated    | 0.92%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Total             | 0.44%                    | Low                              | 1             | 1                      | 12                 | Low                |

| RISK RANKING- Wildfire Hazard (Categories High & Moderate) |                                       |                              |                      |                                  |               |                        |                          |                                  |               |                        |
|--|---------------------------------------|------------------------------|----------------------|----------------------------------|---------------|------------------------|--------------------------|----------------------------------|---------------|------------------------|
|  | Probability                           |                              | Impact on People     |                                  |               |                        | Impact on Property       |                                  |               |                        |
|  | Probability (High, Medium, Low, None) | Probability Factor (3,2,1,0) | % Population Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | % of Total Value Exposed | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor |
| Boise  | Medium                                | 2                            | 11.71%               | Medium                           | 2             | 6                      | 10.34%                   | Medium                           | 2             | 4                      |
| Eagle  | Medium                                | 2                            | 13.39%               | Medium                           | 2             | 6                      | 15.91%                   | Medium                           | 2             | 4                      |
| Garden City  | Medium                                | 2                            | 0.52%                | Low                              | 1             | 3                      | 0.47%                    | Low                              | 1             | 2                      |
| Kuna   | Medium                                | 2                            | 0.05%                | Low                              | 1             | 3                      | 0.05%                    | Low                              | 1             | 2                      |
| Meridian   | Medium                                | 2                            | 0.00%                | None                             | 0             | 0                      | 0.00%                    | None                             | 0             | 0                      |
| Star   | Medium                                | 2                            | 4.14%                | Low                              | 1             | 3                      | 3.69%                    | Low                              | 1             | 2                      |
| Unincorporated   | Medium                                | 2                            | 20.14%               | Medium                           | 2             | 6                      | 29.30%                   | High                             | 3             | 6                      |
| Total  | Medium                                | 2                            | 9.04%                | Low                              | 1             | 3                      | 9.50%                    | Low                              | 1             | 2                      |

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| Impact on Economy |                          |                                  |               |                        |                    |                    |
|-------------------|--------------------------|----------------------------------|---------------|------------------------|--------------------|--------------------|
|                   | % of Total Value Damaged | Impact (High, Medium, Low, None) | Impact Factor | Weighted Impact Factor | Risk Ranking Score | Hazard Risk Rating |
| Boise             | 2.59%                    | Low                              | 1             | 1                      | 22                 | Medium             |
| Eagle             | 3.98%                    | Low                              | 1             | 1                      | 22                 | Medium             |
| Garden City       | 0.12%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Kuna              | 0.01%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Meridian          | 0.00%                    | None                             | 0             | 0                      | 0                  | Low                |
| Star              | 0.92%                    | Low                              | 1             | 1                      | 12                 | Low                |
| Unincorporated    | 7.32%                    | Medium                           | 2             | 2                      | 28                 | Medium             |
| Total             | 2.37%                    | Low                              | 1             | 1                      | 12                 | Low                |



# Exposed Critical Facilities

**Dam Failure - Blacks Creek**

| Jurisdiction   | Communications | Energy   | Food, Water,<br>Shelter | Hazardous<br>Material | Health & Medical | Safety & Security | Transportation | Total     |
|----------------|----------------|----------|-------------------------|-----------------------|------------------|-------------------|----------------|-----------|
| Boise          | 0              | 0        | 0                       | 0                     | 0                | 0                 | 0              | 0         |
| Eagle          | 0              | 0        | 0                       | 0                     | 0                | 0                 | 0              | 0         |
| Garden City    | 0              | 0        | 0                       | 0                     | 0                | 0                 | 0              | 0         |
| Kuna           | 0              | 0        | 0                       | 0                     | 0                | 0                 | 0              | 0         |
| Meridian       | 0              | 0        | 0                       | 0                     | 0                | 1                 | 14             | 15        |
| Star           | 0              | 0        | 0                       | 0                     | 0                | 0                 | 0              | 0         |
| Unincorporated | 2              | 0        | 0                       | 0                     | 0                | 0                 | 5              | 7         |
| <b>Total</b>   | <b>2</b>       | <b>0</b> | <b>0</b>                | <b>0</b>              | <b>0</b>         | <b>1</b>          | <b>19</b>      | <b>22</b> |

**Dam Failure - Lucky Peak**

| Jurisdiction   | Communications | Energy    | Food, Water,<br>Shelter | Hazardous<br>Material | Health & Medical | Safety & Security | Transportation | Total      |
|----------------|----------------|-----------|-------------------------|-----------------------|------------------|-------------------|----------------|------------|
| Boise          | 78             | 7         | 61                      | 4                     | 16               | 184               | 78             | 428        |
| Eagle          | 11             | 2         | 25                      | 1                     | 5                | 12                | 23             | 79         |
| Garden City    | 71             | 0         | 19                      | 4                     | 4                | 6                 | 8              | 112        |
| Kuna           | 0              | 0         | 0                       | 0                     | 0                | 0                 | 0              | 0          |
| Meridian       | 0              | 0         | 0                       | 0                     | 0                | 0                 | 0              | 0          |
| Star           | 2              | 0         | 6                       | 0                     | 1                | 6                 | 22             | 37         |
| Unincorporated | 0              | 6         | 13                      | 0                     | 3                | 3                 | 21             | 46         |
| <b>Total</b>   | <b>162</b>     | <b>15</b> | <b>124</b>              | <b>9</b>              | <b>29</b>        | <b>211</b>        | <b>152</b>     | <b>702</b> |

**Flood - 100-year**

| Jurisdiction   | Communications | Energy   | Food, Water,<br>Shelter | Hazardous<br>Material | Health & Medical | Safety & Security | Transportation | Total      |
|----------------|----------------|----------|-------------------------|-----------------------|------------------|-------------------|----------------|------------|
| Boise          | 1              | 0        | 24                      | 0                     | 1                | 13                | 39             | 78         |
| Eagle          | 1              | 0        | 3                       | 0                     | 0                | 0                 | 4              | 8          |
| Garden City    | 1              | 0        | 2                       | 3                     | 0                | 1                 | 2              | 9          |
| Kuna           | 0              | 0        | 0                       | 0                     | 0                | 0                 | 3              | 3          |
| Meridian       | 4              | 1        | 2                       | 1                     | 1                | 1                 | 18             | 28         |
| Star           | 0              | 0        | 0                       | 0                     | 0                | 0                 | 2              | 2          |
| Unincorporated | 0              | 3        | 9                       | 0                     | 1                | 1                 | 55             | 69         |
| <b>Total</b>   | <b>7</b>       | <b>4</b> | <b>40</b>               | <b>4</b>              | <b>3</b>         | <b>16</b>         | <b>123</b>     | <b>197</b> |

**Flood - 500-year**

| Jurisdiction   | Communications | Energy    | Food, Water,<br>Shelter | Hazardous<br>Material | Health & Medical | Safety & Security | Transportation | Total      |
|----------------|----------------|-----------|-------------------------|-----------------------|------------------|-------------------|----------------|------------|
| Boise          | 49             | 6         | 40                      | 0                     | 11               | 159               | 73             | 338        |
| Eagle          | 6              | 1         | 13                      | 0                     | 2                | 8                 | 6              | 36         |
| Garden City    | 8              | 0         | 14                      | 4                     | 3                | 6                 | 7              | 42         |
| Kuna           | 0              | 0         | 0                       | 0                     | 0                | 0                 | 3              | 3          |
| Meridian       | 5              | 2         | 3                       | 1                     | 2                | 1                 | 19             | 33         |
| Star           | 0              | 0         | 3                       | 0                     | 0                | 5                 | 4              | 12         |
| Unincorporated | 0              | 3         | 13                      | 0                     | 1                | 3                 | 58             | 78         |
| <b>Total</b>   | <b>68</b>      | <b>12</b> | <b>86</b>               | <b>5</b>              | <b>19</b>        | <b>182</b>        | <b>170</b>     | <b>542</b> |

**Landslide - Categories Greater than 30% Slope & 15-30% Slope**

| Jurisdiction   | Communications | Energy   | Food, Water, Shelter | Hazardous Material | Health & Medical | Safety & Security | Transportation | Total     |
|----------------|----------------|----------|----------------------|--------------------|------------------|-------------------|----------------|-----------|
| Boise          | 4              | 0        | 3                    | 0                  | 0                | 0                 | 7              | 14        |
| Eagle          | 0              | 0        | 1                    | 0                  | 0                | 0                 | 2              | 3         |
| Garden City    | 0              | 0        | 0                    | 0                  | 0                | 0                 | 2              | 2         |
| Kuna           | 0              | 0        | 0                    | 0                  | 0                | 0                 | 0              | 0         |
| Meridian       | 0              | 0        | 0                    | 0                  | 0                | 0                 | 0              | 0         |
| Star           | 0              | 0        | 1                    | 0                  | 0                | 0                 | 0              | 1         |
| Unincorporated | 10             | 1        | 12                   | 0                  | 0                | 1                 | 7              | 31        |
| <b>Total</b>   | <b>14</b>      | <b>1</b> | <b>17</b>            | <b>0</b>           | <b>0</b>         | <b>1</b>          | <b>18</b>      | <b>51</b> |

**Wildfire - Categories High & Moderate**

| Jurisdiction   | Communications | Energy    | Food, Water,<br>Shelter | Hazardous<br>Material | Health & Medical | Safety & Security | Transportation | Total      |
|----------------|----------------|-----------|-------------------------|-----------------------|------------------|-------------------|----------------|------------|
| Boise          | 13             | 1         | 29                      | 1                     | 1                | 6                 | 15             | 66         |
| Eagle          | 1              | 0         | 4                       | 0                     | 0                | 2                 | 0              | 7          |
| Garden City    | 0              | 0         | 0                       | 0                     | 0                | 0                 | 0              | 0          |
| Kuna           | 0              | 0         | 0                       | 0                     | 0                | 0                 | 0              | 0          |
| Meridian       | 0              | 0         | 0                       | 0                     | 0                | 0                 | 0              | 0          |
| Star           | 0              | 0         | 0                       | 0                     | 0                | 0                 | 0              | 0          |
| Unincorporated | 75             | 16        | 64                      | 3                     | 2                | 5                 | 16             | 181        |
| <b>Total</b>   | <b>89</b>      | <b>17</b> | <b>97</b>               | <b>4</b>              | <b>3</b>         | <b>13</b>         | <b>31</b>      | <b>254</b> |





## **Appendix E. Wildfire Mitigation Activities Over Previous Performance Period**

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## **IDAHO FIREWISE-ADA COUNTY SPECIFIC**

### **2017**

Educational Events: (32)

Cooperators:

- Boise Fire Department
- Bureau of Land Management
- College of Western Idaho

Organized Garden Tours: (8)

Home Assessments: (7)

Communities Assisted: (7)

- Quail Ridge
- Columbia Village
- El Paseo
- Warm Springs Mesa
- Briar Hills
- Highland Cove
- Hidden Springs

Fuels Reduction – Existing Project Maintenance:

Firewise Demonstration Gardens

Mechanical removal = 30 cubic yards

### **2018**

Educational Events: (36)

Cooperators:

- Boise Fire Department
- Bureau of Land Management
- US Forest Service
- College of Western Idaho
- D & B Supply
- Zamzows
- Treasure Valley Land Trust
- Idaho Botanical Garden
- Idaho Nursery & Landscape Association
- Centennial Rotary Club
- Capital High School
- NRCS

Organized Garden Tours: (11)

Home Assessments: (6)

## Communities Assisted (6)

- Central Foothills
- Warm Springs Mesa
- Avimor
- Columbia Village
- Tandem Ridge
- Briar Hill

**Project:** March 2018 - ongoing

Firewise Demonstration Garden, Jim Hall Foothills Learning Center

### **Contact:**

Martha Brabec, Foothills Restoration Spec

Boise City Parks & Recreation

[mbrabec@cityofboise.org](mailto:mbrabec@cityofboise.org)

Office: (208)493-2535

Description/scope:

- Approximately 1,500 sq ft area
- Removal of existing landscape
- Weed control
- Landscape design assistance and installation

Fuels Reduction – Existing Project Maintenance:

Firewise Demonstration Gardens

Mechanical removal = 30 cubic yards

## **2019**

Education Events: (19)

Cooperators:

- Boise Fire Department
- Bureau of Land Management
- US Forest Service
- College of Western Idaho
- D & B Supply
- Zamzows
- Idaho Botanical Garden
- Idaho Nursery & Landscape Association
- Capital High School
- Boise State University
- NRCS
- Idaho Smart Growth

Organized Garden Tours: (10)

Home Assessments: (11)

Communities Assisted: (8)

- Morningside Heights
- Barber Valley
- Avimor
- Columbia Village
- Central Foothills
- Warm Springs Mesa
- Tandem Ridge
- Briar Hills
- Hidden Springs
- Quail Ridge

Fuels Reduction – Existing Project Maintenance:  
Firewise Demonstration Gardens

- Mechanical removal = 30 cubic yards

## **2020**

Education Events: (5)

Cooperators:

- Boise Fire Department
- College of Western Idaho
- Franz Witte
- Idaho Botanical Garden
- Idaho Smart Growth
- Boise State University

Organized Garden Tours: (6)

Home Assessments: (3)

Communities Assisted: (2)

- Harris Ranch North
- Quail Ridge

**Project:** September 2020-ongoing

Children's Firewise Garden, Bernardine Quinn Riverside Park

### **Contacts:**

Wendy Larimore, Associate Landscape Architect

Boise Parks & Recreation

[wlarimore@cityofboise.org](mailto:wlarimore@cityofboise.org)

Office: (208)409-4142

Kristin Gnojewski

Boise Parks & Recreation

kgnojewski@cityofboise.org

Olivia Harman, Olivia Landscape Design

olivia.harman123@gmail.com

208-577-1387

Description/scope

- Approximately ½ acre
- Landscape design assistance and installation

Fuels Reduction – Existing Project Maintenance:

Firewise Demonstration Gardens

Mechanical removal = 30 cubic yards

**2021**

Education Events: (6)

Cooperators:

- Boise Fire Department
- College of Western Idaho
- Idaho Botanical Garden
- Idaho Nursery & Landscape Association

Organized Garden Tours: (6)

Home Assessments: (2)

Communities Assisted: (2)

- Harris Ranch North
- Hidden Springs

**Project:** April 2021

Private residence

**Contact:**

Brittany Brand

3217 N Wagon Wheel Ct Boise, ID 83702

brittanybrand@boisestate.edu

(513) 532-7362

Description/scope

- Mechanically removed 10 cubic yards of Juniper

Fuels Reduction – Existing Project Maintenance:

Firewise Demonstration Gardens

Mechanical removal = 30 cubic yards

**Project:**

City of Eagle Chipping Event

Cubic yards: 20

**Website Maintenance:** 20 hours annually

**Grants Provided:** \$3,000 Annually to Project Learning Tree (Fire Education)

**Planned classes for 2022:**

EYC training events (2)

IBG Treasure Valley Garden Certificate Program (1)

## BOISE BLM PROJECT SUMMARY

- Surprise Valley Fuel Break
- Multiple entries 9/1/2017 – 11/1/19
- Bill Moore Project Coordinator SW Idaho RC&D [swidrcd@idahorcd.org](mailto:swidrcd@idahorcd.org) (208) 573-4875
- Hazardous vegetation removal, chemical spraying, reseeding fuel break along north rim of Surprise Valley neighborhood.
- SW Idaho RC&D, Bureau of Land Management
- Surprise Valley North Rim Condo Hazardous Fuel Reduction
- Multiple entries 9/1/2020 – 11/1/21
- Bill Moore Project Coordinator SW Idaho RC&D [swidrcd@idahorcd.org](mailto:swidrcd@idahorcd.org) (208) 573-4875
- Hazardous fuel removal around Surprise Valley North Rim Condos
- SW Idaho RC&D, Bureau of Land Management
- Canyon Point Fuel Break
- Multiple entries 9/1/2017 – 11/1/19
- Jared Jablonski Fire Mitigation Education BLM [jjablonski@blm.gov](mailto:jjablonski@blm.gov) (208) 384-3210
- Seeding and planting forged kochia green strip on BLM land around Canyon Point neighborhood
- Bureau of Land Management
- Idaho Department of Transportation Roadside Vegetation Treatment
- Multiple entries 1/1/2017 – 12/31/21
- Michael Garz District 3 Operations Manager ITD [michael.garz@itd.idaho.gov](mailto:michael.garz@itd.idaho.gov) (208) 334-8347
- SW Idaho Interstate 84 mowing, seeding, spraying
- Idaho Department of Transportation, Bureau of Land Management
- Eagle Roadside Vegetation Treatment
- 9/1/19 – 11/30/19
- Bill Moore Project Coordinator SW Idaho RC&D [swidrcd@idahorcd.org](mailto:swidrcd@idahorcd.org) (208) 573-4875
- Highway 55 roadside mowing and seeding
- SW Idaho RC&D, Bureau of Land Management, Eagle Fire Department
- Highland Nines
- 9/1/21 – 10/31/21
- Bill Moore Project Coordinator SW Idaho RC&D [swidrcd@idahorcd.org](mailto:swidrcd@idahorcd.org) (208) 573-4875
- Hazardous fuel removal common areas Highland Nines neighborhood
- SW Idaho RC&D, Bureau of Land Management

### **Current Projects & Initiatives (separate projects):**

- Idaho Department of Transportation Roadside Vegetation Treatment
- Multiple entries 1/1/2017 – 12/31/21
- Michael Garz District 3 Operations Manager ITD [michael.garz@itd.idaho.gov](mailto:michael.garz@itd.idaho.gov) (208) 334-8347
- Interstate 84 mowing, seeding, spraying
- Idaho Department of Transportation, Bureau of Land Management

### **Planned Projects & Initiatives:**

- Highland Nines
- 9/1/22 -11/1/22



- Bill Moore Project Coordinator SW Idaho RC&D [swidrcd@idahorcd.org](mailto:swidrcd@idahorcd.org) (208) 573-4875
- Further hazardous fuel removal in common areas Highland Nines neighborhood
- SW Idaho RC&D, Bureau of Land Management
- Idaho Department of Transportation Roadside Vegetation Treatment
- Multiple entries 1/1/2017 – 12/31/21
- Michael Garz District 3 Operations Manager ITD [michael.garz@itd.idaho.gov](mailto:michael.garz@itd.idaho.gov) (208) 334-8347
- Interstate 84 mowing, seeding, spraying
- Idaho Department of Transportation, Bureau of Land Management

# BOISE STATE HAZARD & CLIMATE RESILIENCY INSTITUTE

## Prior Projects & Initiatives (separate projects):

- **Name of Project:**

Using active-learning and goal-setting strategies to promote wildfire hazard awareness and preparedness

- **Approximate Start Date and Completion Date:**

July 2019 - October 2020

- **Project Contacts (name, title, agency, email & phone):**

Brittany Brand, Director for the Boise State Hazard and Climate Resilience Institute,  
[brittanybrand@boisestate.edu](mailto:brittanybrand@boisestate.edu), 513-532-7362

Carson MacPherson-Krutsky, Research Scientists for the Boise State Hazard and Climate Resilience Institute,  
[carsonmk@gmail.com](mailto:carsonmk@gmail.com)

- **Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.)**

Promoting the adoption of household preparedness to natural hazards represents a critical step toward building resilient communities. However, despite the efforts of stakeholders who provide hazard preparedness recommendations to the public, the level of disaster preparedness across the world remains low. We hypothesize that the passive way in which natural hazard and risk information is most often delivered (i.e., lecture style; pamphlets; websites) inhibits participants' ability to connect with the materials, limiting both their attention and knowledge retention.

Our study examines how knowledge, perceptions, and attitudes toward preparedness actions influence preparedness behavior of residents of Boise's Wildland Urban Interface (WUI). As part of our study, we implemented a questionnaire before and after a 90-minute education workshop designed to help participants better understand WUI hazards, personalize their household risk, and develop positive attitudes toward taking mitigation and preparedness actions. The workshop, developed in collaboration with the Boise Fire Department and Idaho Firewise, uses active-learning and goal setting strategies to help participants engage with the material and set reasonable, measureable, and achievable goals.

Analysis of pre- and post-questionnaires show an overwhelmingly positive shift in knowledge, perceptions, attitudes, and preparedness intentions after experiencing the workshop. For example, our attendees reported feeling more able to protect their family and property from the threat of wildfire after our workshop. They also reported an intention to take action to reduce household risk after the workshop.

Our research demonstrates the efficacy of active-learning and goal-setting strategies to engage homeowners who live in the wildland urban interface (WUI) in a way that helps them personalize their wildfire risk and develop positive attitudes toward preparing. This work also demonstrates how giving the audience a voice through active-learning allows stakeholders to both recognize and resolve inaccurate risk perceptions, lack of trust in message sources, and negative attitudes toward preparing for future hazard events.

- **Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.)**

Content Collaborators include Jerry McAdams (Wildfire Mitigation Specialist with the Boise Fire Department), Brett Van Paepeghem (Idaho Firewise), and the Fire Adapted Communities Learning Network

## CWPP PROJECTS

| Project Name   | Dates                 | Categories                 | Activities  | Partners  | Impacts                                |
|--|-----------------------|----------------------------|---|---|--|
| <b>2021</b>  |                       |                            |   |   |  |
| <b>Hidden Springs Town Association Annual Fire Fuel Reduction Project 2021</b> | June 17-21, 2021      | Fuels Reduction, Education | The importance of fuel reduction and creating defensible space along with details of the event were promoted on the community website, social media and email newsletter. Residents were given access to a checklist and asked to register for complimentary curbside pick-up of debris. Hopkins Evergreens crews picked up the debris and branches chipped were chipped for use at the community farm and bagged leaves and other organic debris were taken to the landfill. Great Outdoors Event. | Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens, NFPA for Firewise Educational Materials. | Hidden Springs Community - population: |
| <b>Hidden Springs Wild-Fire Mitigation Efforts 2021</b>                        | June 1 – July 1, 2021 | Fuels Reduction            | Hopkins Evergreen crews trimmed Association open space property adjacent to resident lots to help with the wildfire mitigation efforts (total of nine (9) acres / see blue on map).   | Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens, NFPA for Firewise Educational Materials. | total of nine (9) acres                |
| <b>2020</b>  |                       |                            |   |   |  |
| <b>Hidden Springs Town Association Annual Fire Fuel Reduction Project 2020</b> | May 1 & 2, 2020       | Fuels Reduction, Education | The importance of fuel reduction and creating defensible space along with details of the event were promoted on the community website, social media and email newsletter. Residents were given  | Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens;  | Hidden Springs Community - population: |

| Project Name | Dates | Categories | Activities   | Partners                                 | Impacts |
|--------------|-------|------------|--|--|---------|
|              |       |            | access to a checklist and asked to register for complimentary curbside pick-up of debris. Hopkins Evergreens crews picked up the debris and branches chipped were chipped for use at the community farm and bagged leaves and other organic debris were taken to the landfill. | NFPA for Firewise Educational Materials. |         |



Community Risk Reduction Division

January 6, 2022

Jerry McAdams, SR. Capt.  
Wildfire Mitigation Specialist  
Boise Fire Department.

Dear Jerry,

Below you will find the information that you requested in your email on January 5<sup>th</sup> 2022.

Prior Projects & Initiatives (separate projects):

- Name of Project: Avimor Village Fuel Mitigation Project
- Approximate Start Date and Completion Date: 10/01/2018- 3/01/2019  
(Project is still being monitored)
- Project Contacts (name, title, agency, email & phone)
- Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.)  
Conduct a fuels mitigation project on the East side of the Avimor Village by strip planting Forage Kochia in a 30-foot swath for approx. 2.5 miles in length applying 8 pounds of sees per acre.
- Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.)

Avimor Village  
Southwest Idaho Resource Conservation and Development  
Ada County Development Services  
Eagle Fire Department  
Bureau of Land Management

Current Projects & Initiatives (separate projects):

- Name of Project: Avimor Development Fire Access and Fuel Breaks
- Approximate Start Date and Projected Completion Date: 4/01/2022 - Fall of 2022 or 2023
- Project Contacts (name, title, agency, email & phone)  
Scott Buck Deputy Chief/Fire Marshal, Eagle Fire Department  
sbuck@eaglefire.org Phone 208-939-6463
- Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.)  
Continue to work with Avimor to install access roads / fuel breaks when it is advantageous to do so. Currently we have worked with Avimor to improve approximately 4.5 miles of what was previously a 2 track to an 8 to 10 foot wide access road/ fuel break west of highway 55.
- Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.)

Avimor Development  
Ada County Development Services  
Eagle Fire Department  
Southwest Idaho Resource Conservation and Development

Planned Projects & Initiatives:

- Name of Project: Fire Mitigation Plans
- Projected Start Date and Projected Completion Date: On going
- Project Contacts (name, title, agency, email & phone)  
Scott Buck Deputy Chief/ Fire Marshal, Eagle Fire Department  
[sbuck@eaglefire.org](mailto:sbuck@eaglefire.org) Phone 208-939-6463
- Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.)  
Continue to work with land owners, developers, the City of Eagle and counties Development Services. To ensure that residential development occurring in the Wildland Urban Interface or abutting the urban interface have a comprehensive Fire Mitigation in place prior to development.
- Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.)

City of Eagle  
Ada County Development Services  
Boise County Development Services  
Gem County Development Services

Southwest Idaho Resource Conservation and Development  
Bureau of Land Management

Please let me know if you need any other information

Scott Buck  
Fire Marshal



## ADA COUNTY PARKS

### **Prior Projects & Initiatives (separate projects):**

- Firewise Landscaping Homeowner Incentive Program
- Summer 2020
- Martha Brabec, Ecologist, City of Boise Parks and Rec, [mbrabec@cityofboise.org](mailto:mbrabec@cityofboise.org), 208-493-2535
- Homeowners who have fire-prone vegetation in their landscaping can receive a free firewise plant upon proof of removal.
- Idaho Firewise and Draggin Wing High Desert Nursery
- City of Boise Fire Mitigation Brochure Distribution
- 2020
- Martha Brabec/Jerry McAdams
- The City of Boise offers three free programs to WUI residents: 1) Citizen Fuel Reduction Policy, 2) Wildfire Safety Home Assessments, and 3) Neighborhood Chipping Program. Flyers were developed and distributed during 2020 to over 2000 homes in the WUI.
- Idaho Department of Lands Western States Fire Manager's Grant, HOAs and Neighborhood Associations

### **Current Projects & Initiatives (separate projects):**

Projects are on-going and therefore qualify as past and current.

- City of Boise Hazardous Fuels Reduction – Slope Mowing
- 2016 - current
- Martha Brabec
- Slope mowing in City owned reserves to reduce hazardous fuels in high-threat areas. Measurable metrics are acres treated.
- Land Trust of the Treasure Valley, Boise Fire
- Neighborhood Chipping Program
- Spring 2020 – current
- Martha Brabec/Jerry McAdams
- WUI residents who receive a free wildfire safety home assessment from Boise Fire are eligible to receive free chipping services through this program. Hazardous debris is piled curbside and picked up on pre-scheduled Fridays. Measurable metrics are cubic yards of debris removed.
- City of Boise Neighborhood Associations, Boise Fire, BPR Community Forestry, Idaho Department of Lands
- Hulls Gulch Restoration/Hazardous Fuels Reduction
- 2018 - current
- Martha Brabec

- Hazardous fuels reduction and invasive species management adjacent to wetlands in Hulls Gulch. Debris is chipped and left on site or removed in dump trucks.
- BLM Wildfire Community Assistance Grant funded portions of Phase 1 and 3 of this project. IDL Western States Fire Manager's grant will likely fund an additional and final phase in Fall 2022.

### **Planned Projects & Initiatives:**

- Stack Rock Hazardous Fuels Reduction
- Spring 2022 – on-going
- Martha Brabec and Boise Fire
- The City of Boise will reduce hazardous fuels at Stack Rock, the City's only forested property, starting in spring 2022. Mechanical or hand treatment methods will be used to encourage aspen regeneration by removing standing, down dead timber, and ladder fuels; thin; and remove underbrush—for the improvement of stand condition and increase resilience of stands to disturbance. Slash will either be utilized for firewood, pile burned or chipped.
- USFS and IDL Western State's Fire Manager's Grant.
- East Boise Riparian Corridor Project
- Spring 2022
- Golden Eagle Audubon Society (GEAS)/City of Boise
- The project goal is to restore 50+ acres of important wildlife habitat along the Boise River by 2023. Invasive tree and dead down debris removal is large component of the habitat restoration, and accumulated slash will be removed by Boise Fire and other project partners.
- Ada County Parks and Waterways, Boise River Enhancement Network, Boise Fire, Boise Parks and Recreation, Idaho Foundation for Parks and Lands, and others.

# HIGHLANDS NINES FUEL REDUCTION PROJECT

Started June of 2020

Projected completion date Fall 2023

The major thinning element of the project was completed the last week of September 2021, what remains is focused spraying of invasive weed concentrations (one complete, two to go) and overseeding.

Contacts:

Mike Hill

Highlands Nines HOA VP

[mjhill33@gmail.com](mailto:mjhill33@gmail.com)

208-863-1050

Dave Churchill

Highlands Nines HOA President

[dave.churchill4681@gmail.com](mailto:dave.churchill4681@gmail.com)

208-606-5903

SCOPE:

Create fire breaks and thin and remove brush within the common areas of the Highlands Nines development located at the top of Braemere Rd. in Boise. Additionally focused spraying of concentrations of invasive weeds and overseeding of treated areas.

Phase One was fuel load reduction which was completed in September of 2021.

Work performed by contractor Forest Management

Approximately 8 acres were treated

A total of 13 dump truck loads of chipped vegetation were removed.

Phase Two is spraying of invasive weed concentrations

Work to be performed by Ada County Noxious Weed Control

Estimated to require 3-4 sprayings, First spraying complete in Fall of 2021

Phase Three is overseeding of sprayed areas once the invasive weeds are removed.

Project participants included the Highlands Nines HOA, Highlands Neighborhood Association, BLM, City of Boise Fire Department, Ada County Noxious Weed Control, Forest Management (Contractor), Southwest Idaho RC&D and input from multiple potential contractors.

1) The number of housing units protected by the project is 84.

2) The project covered 8 acres.

## HIDDEN SPRINGS TOWN ASSOCIATION (HSTA) FIREWISE INITIATIVES 2015-2022

HSTA Prior Projects & Initiatives:

Hidden Springs Town Association Annual Fire Fuel Reduction Project 2021

June 17 -21, 2021

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens, NFPA for Firewise Educational Materials.

The Association hosted a fire fuel's reduction project. The importance of fuel reduction and creating defensible space along with details of the event were promoted on the community website, social media and email newsletter. Residents were given access to a checklist and asked to register for complimentary curbside pick-up of debris. Hopkins Evergreens crews picked up the debris and branches chipped were chipped for use at the community farm and bagged leaves and other organic debris were taken to the landfill.

Hidden Springs Great Outdoors Event 2021

June 16, 2021

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; Boise Fire; Idaho Firewise.

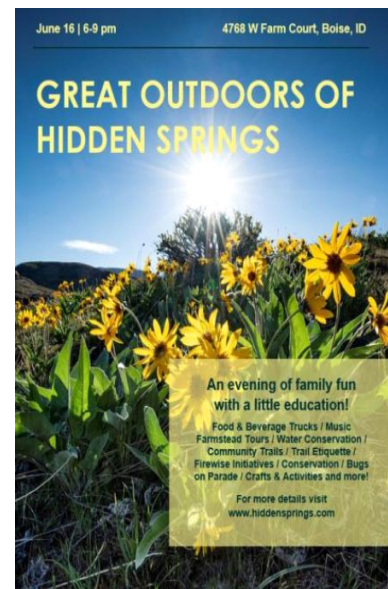
The Association hosted the Great Outdoors event to educate residents on the importance of caring for community open spaces including Firewise best practices. In addition to educational booths, there was live music, food trucks and educational passport activity to encourage participation.

Hidden Springs Wild-Fire Mitigation Efforts 2021

June 1 – July 1, 2021

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; Boise Fire; Idaho Firewise; City of Boise Foothills Restoration.

Hopkins Evergreen crews trimmed Association open space property adjacent to resident lots to help with the wildfire mitigation efforts (total of nine (9) acres / see blue on map). Hopkins followed guidelines and safe practices for trimming and seeding per the City of Boise Foothills Restoration Specialists, Idaho Firewise and the Boise Fire Department.



The following activities were performed:

- Weed trimming of grass understory, with plastic blades or plastic string, on HSTA property within 20 feet of property line if property is directly adjacent to HSTA property.
- Care taken to leave perennial native grasses, as they typically stay green thru August, are more resistant to fire and natural re-seeding helps combat cheat-grass and medusa head.
- Fall broadcast seeding of native grasses (Approved native grasses will be determined by the Foothills Restoration Specialist with guidance from NRCS).

The following guidelines were followed:

- Grass was not cut shorter than 6 inches in length.
- Cut or trimmed organic materials were bagged and removed from the site to reduce the spread of non-native invasive grasses, and to reduce wildfire risk.

The following best practices were observed:

- A fire extinguisher was on hand with all crews.
- Residents in homes adjacent to the marked areas were asked to have a garden hose easily accessible.
- Crews all had working cellphone in case a fire started.
- Hot equipment was not laid on dry grass where it may ignite flammable grasses.
- Refueling took place on paved surfaces.

#### Hidden Springs Town Association Annual Fire Fuel Reduction Project 2020

May 1 & 2, 2020

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; NFPA for Firewise Educational Materials.

The Association hosted a fire fuel's reduction project. The importance of fuel reduction and creating defensible space along with details of the event were promoted on the community website, social media and email newsletter. Residents were given access to a checklist and asked to register for complimentary curbside pick-up of debris. Hopkins Evergreens crews picked up the debris and branches chipped were chipped for use at the community farm and bagged leaves and other organic debris were taken to the landfill.

#### Hidden Springs Wild-Fire Mitigation Efforts 2020

June 1 – July 1, 2017

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; Boise Fire; Idaho Firewise; City of Boise Foothills Restoration.

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- Refueling took place on paved surfaces.

#### Hidden Springs Town Association Annual Fire Fuel Reduction Project 2019

May 3 & 4, 2019

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; NFPA for Firewise Educational Materials.

The Association hosted a fire fuel's reduction project. The importance of fuel reduction and creating defensible space along with details of the event were promoted on the community website, social media and email newsletter. Residents were given access to a checklist and asked to register for complimentary curbside pick-up of debris. Hopkins Evergreens crews picked up the debris and branches chipped were chipped for use at the community farm and bagged leaves and other organic debris were taken to the landfill.

#### Hidden Springs Wild-Fire Mitigation Efforts 2019

June 1 – July 1, 2019

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; Boise Fire; Idaho Firewise; City of Boise Foothills Restoration.

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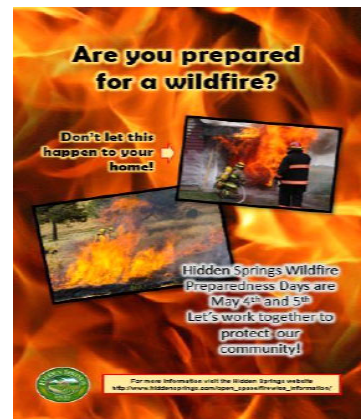
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- Refueling took place on paved surfaces.

## Hidden Springs Town Association Annual Fire Fuel Reduction Project 2018

May 4 & 5, 2018

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; NFPA for Firewise Educational Materials. The Association a fire fuel's reduction project. The importance of fuel reduction and creating defensible space along with details of the event were promoted co mmunity website, social media and email newsletter. Residents were access to a checklist and asked to register for complimentary curbside up of debris. Hopkins Evergreens crews picked up the debris and branches chipped were chipped for use at the community farm and bagged leaves and other organic debris were taken to the landfill.



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## Hidden Springs Wild-Fire Mitigation Efforts 2018

June 1 – July 1, 2018

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## Hidden Springs Town Association Wildfire Preparedness Day 2017 – Plan – Prepare - Protect

May 20, 2017

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; NFPA; Boise Fire; Idaho Firewise. focus of the event was on community safety as well as a home and garden component with an emphasis on Firewise and sustainable products and companies. Educational workshops (Creating Defensible Space, Firewise Landscaping, Community Wood Chipping Project) and presentations were hosted in the Community Clubhouse from 11:00 – 3:00pm with a Home and Garden show on the Village Green. The event featured live music, a climbing Pinewood Derby competition, food and drink available for purchase Dry Creek Mercantile.



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## Hidden Springs Wild-Fire Mitigation Efforts 2017

June 1 – July 1, 2017

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#### Hidden Springs Great Outdoors Event 2016

May 21, 2016

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; Boise Fire; Idaho Firewise.

#### Hidden Springs Wild-Fire Mitigation Efforts 2016

June 1 – July 1, 2016

Lisa Ahrens, Town Manager; Chuck Vertrees, Open Space Committee Chair, Hidden Springs Open Space Committee; Brett Hopkins, Hopkins Evergreens; Boise Fire; Idaho Firewise; City of Boise Foothills Restoration. Hopkins Evergreen crews trimmed Association open space property adjacent to resident lots to help with the wildfire mitigation efforts (total of nine (9) acres - see blue on map). Hopkins followed guidelines and safe practices for trimming and seeding per the City of Boise Foothills Restoration Specialists, Idaho Firewise and the Boise Fire Department.

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## IDAHO POWER

### **Prior Projects & Initiatives (separate projects):**

- Name of Project: [Pole vegetation removal and sterilant treatment](#).
- Approximate Start Date and Completion Date [2019-2021](#)
- Project Contacts (name, title, agency, email & phone) [Brent Van Patten, Engineering Leader, \[bvanpatten@idahopower.com\]\(mailto:bvanpatten@idahopower.com\), 208-388-2514](#)
- Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.) [cleared vegetation and applied ground sterilant around the bases of poles/structures near our Boise Bench Substation and poles along HWY 21 between Warm Springs Ave and Wilderness Ranch](#)
- Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.) [n/a](#)

### **Current Projects & Initiatives (separate projects):**

- Name of Project: [Vegetation Management-Wildfire Mitigation](#)
- Approximate Start Date and Projected Completion Date: [Ongoing](#)
- Project Contacts (name, title, agency, email & phone): [Brent Van Patten, Engineering Leader, \[bvanpatten@idahopower.com\]\(mailto:bvanpatten@idahopower.com\), 208-388-2514](#)
- Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.): [Perform annual line patrols in elevated wildfire risk zones to verify adequate clearance between trees and overhead powerlines and mitigate any hazard trees and clearance issues we find](#)
- Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.) [n/a](#)

### **Current Projects & Initiatives (separate projects):**

- Name of Project: [Vegetation Management](#)
- Approximate Start Date and Projected Completion Date: [Ongoing](#)
- Project Contacts (name, title, agency, email & phone): [Brent Van Patten, Engineering Leader, \[bvanpatten@idahopower.com\]\(mailto:bvanpatten@idahopower.com\), 208-388-2514](#)
- Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.): [Prunes trees away from overhead transmission and distribution power lines on regular intervals \(multi-year cycles\)](#)
- Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.) [n/a](#)

### **Prior Projects & Initiatives (separate projects):**

- Name of Project: [Idaho Power Company Oregon Trail Fire Area Vegetation Management](#)

- Approximate Start Date and Completion Date: 2017-2022 once annually prior to 4<sup>th</sup> of July, generally June 20<sup>th</sup>-30<sup>th</sup> (a second mow may occur depending on plant growth and weather conditions)
- Project Contacts (name, title, agency, email & phone): Sarah Funk, Vegetation Ecologist, Idaho Power Company, [sfunk@idahopower.com](mailto:sfunk@idahopower.com), 208-870-8890 (mobile)
- Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.): Annually mow approximately 61.4 acres of green strip area (planted with forage kochia) to maintain short stature vegetation, annually sterilization of approximately 3 miles of roadway/firebreak around Idaho Power property near E. Amity and S. Holcomb Roads, in 2021 vegetation sterilization treatments of up to 10 feet around each distribution and transmission structures on Idaho Power property, annual spot treatments of noxious weed on entire site and within firebreak (total 215 acres).
- Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.): Boise City Fire, BLM, neighborhood associations

#### **Prior Projects & Initiatives (separate projects):**

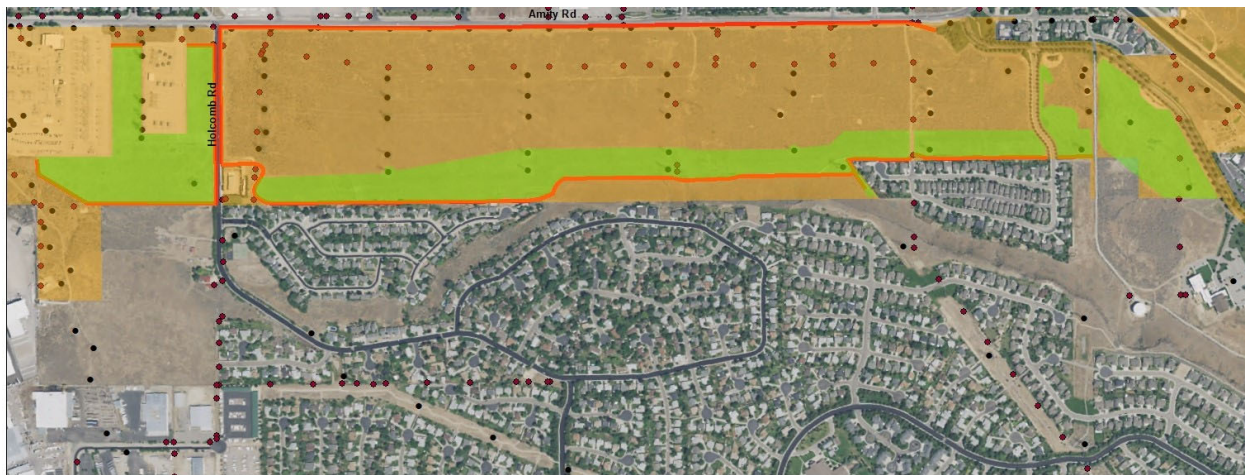
- Name of Project: Idaho Power Company Oregon Trail Fire Area Vegetation Management-forage kochia planting in green strip
- Approximate Start Date and Completion Date: December 2017
- Project Contacts (name, title, agency, email & phone): Sarah Funk, Vegetation Ecologist, Idaho Power Company, [sfunk@idahopower.com](mailto:sfunk@idahopower.com), 208-870-8890 (mobile)
- Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.): Planted forage kochia on top of light snow in winter 2017 on approximately 26 acres within the green strip on Idaho Power property at S. Holcomb and E. Amity Road
- Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.): n/a







#### **Current Projects & Initiatives (separate projects):** Mowing and vegetation sterilization treatments (listed above with same parameters)

- Name of Project: Idaho Power Company Oregon Trail Fire Area Vegetation Management
- Approximate Start Date and Projected Completion Date: 2022 mow once annually prior to 4<sup>th</sup> of July, generally June 20<sup>th</sup>-30<sup>th</sup> (a second mow may occur depending on plant growth and weather conditions)
- Project Contacts (name, title, agency, email & phone): Sarah Funk, Vegetation Ecologist, Idaho Power Company, [sfunk@idahopower.com](mailto:sfunk@idahopower.com), 208-870-8890 (mobile)
- Description/Scope of individual project with mitigation methods and quantitative measures (e.g. acres, cubic yards, structures, people, etc.): Annually mow approximately 61.4 acres of green strip area (planted with forage kochia) to maintain short stature vegetation, annually sterilization of approximately 3 miles of roadway/firebreak around Idaho Power property near E. Amity and S. Holcomb Roads, annual spot treatments of noxious weed on entire site and within firebreak (total 215 acres).
- Cooperators, to show multiple levels of involvement (e.g. Federal agencies, State agencies, other local agencies, not-for-profits and other NGO's, etc.): Boise City Fire, BLM, neighborhood associations

**Planned Projects & Initiatives:** Mowing and vegetation treatments

- Name of Project: Idaho Power Company Oregon Trail Fire Area Vegetation Management
- Projected Start Date and Projected Completion Date: 2023-2028-mow once annually prior to 4<sup>th</sup> of July, generally June 20<sup>th</sup>-30<sup>th</sup> (a second mow may occur depending on plant growth and weather conditions)
- Project Contacts (name, title, agency, email & phone): Sarah Funk, Vegetation Ecologist, Idaho Power Company, [sfunk@idahopower.com](mailto:sfunk@idahopower.com), 208-870-8890 (mobile)
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|   |  |  |                                       |
|---|--|--|---------------------------------------|
|  | Features Legend  |  | Oregon Trail Mowing Plan<br>2017-2022 |
|   |  Mowing Area          |  Transmission Structure |                                       |
|   |  Idaho Power Property |  Distribution Structure | CONFIDENTIAL                          |
|   |  Firebreak            |  |                                       |

# IDAHO DEPARTMENT OF FISH AND GAME

## Prior Projects & Initiatives

### **Name of Project: Hammer Flat Herbicide Treatment**

Approximate Start Date and Completion Date: Winter 2018

Project Contact:

Ann Moser, Wildlife Habitat Biologist

Boise River Wildlife Management Area

Idaho Department of Fish and Game

[ann.moser@idfg.idaho.gov](mailto:ann.moser@idfg.idaho.gov)

208-334-2115

Project Description:

Idaho Department of Fish and Game (IDFG) owns and manages Hammer Flat, a key property at the wildland/urban interface above the intersection of Highway 21 and Warm Springs Ave. In winter 2018, IDFG worked with Ada County to treat 66 acres of Hammer Flat with the herbicide Imazapic. Imazapic was used at 6 oz/acre to target invasive annual grasses, particularly highly flammable cheatgrass.

Cooperators: Ada County Weed, Pest and Mosquito Abatement

## Ongoing Annual Projects

### **Name of Project: Boise River Wildlife Management Area Road Maintenance**

Approximate Start Date and Completion Date: Annually

Project Contact:

Ann Moser, Wildlife Habitat Biologist

Boise River Wildlife Management Area

Idaho Department of Fish and Game

[ann.moser@idfg.idaho.gov](mailto:ann.moser@idfg.idaho.gov)

208-334-2115

Project Description:

Boise River Wildlife Management Area (BRWMA) staff maintain 11 miles of motorized trails on IDFG property in the Boise foothills. Road maintenance includes grading, mowing, and herbicide spraying in the roadway, as well as herbicide spraying within 10 feet on either side of the roadway. We also maintain an additional 3.5 miles of access roads for administrative use, but they are not open to public vehicles. Road maintenance ensures safe travel on our dirt roads, as well as limits the potential for a fire start from the road.

Cooperators: None. Annual road maintenance is done with IDFG staff and funding.

**Name of Project: Boise River Wildlife Management Area Field Mowing**

Approximate Start Date and Completion Date: Annually as needed

Project Contact:

Ann Moser, Wildlife Habitat Biologist

Boise River Wildlife Management Area

Idaho Department of Fish and Game

[ann.moser@idfg.idaho.gov](mailto:ann.moser@idfg.idaho.gov)

208-334-2115

Project Description: There are approximately 35 acres of grass fields adjacent to the BRWMA office and shop on State Highway 21; about 27.5 acres are accessible with a mower. The fields are primarily composed of intermediate wheatgrass and smooth brome, but cheatgrass is also present. These fields are mowed annually, as needed, to minimize the fire risk to our facilities and adjacent wildlife habitat. One of these fields borders Highway 21 for about 1 mile, thus mowing the field minimizes risk of a fire start from the highway.

Cooperators: None. Field mowing is completed with IDFG staff and funding.

**Name of Project: Boise River Wildlife Management Area Boundary**

Approximate Start Date and Completion Date: Annually as needed

Project Contact:

Ann Moser, Wildlife Habitat Biologist

Boise River Wildlife Management Area

Idaho Department of Fish and Game

[ann.moser@idfg.idaho.gov](mailto:ann.moser@idfg.idaho.gov)

208-334-2115

Project Description: BRWMA staff annually mow and/or apply herbicide to 3.9 miles of our boundary where we interface with urban lands. We mow or spray 1.6 miles of fence that separates IDFG property and housing developments on the Boise Front above Warm Springs Ave. We also mow 2.3 miles of IDFG property above the Black Cliffs on Highway 21. The goal is to minimize fire risk to our property as well as adjacent private property.

Cooperators: Fence mowing and herbicide spraying is completed with IDFG staff and funding. We have occasionally contracted with Ada County to conduct the herbicide spraying.



## **SOUTHWEST IDAHO RC&D WILDFIRE FUELS REDUCTION PROJECTS**

### **Surprise Valley Wildfire Fuels Reduction Project**

Start Date: January 2017      End Date: December 2021

Project Sponsor:      Surprise Valley HOA

Contact Person:      Steve King

Mailing Address:      5240 S Surprise Way, Boise, Idaho 83716

Phone: (208) 284 7673      E-mail: [spking83@gmail.com](mailto:spking83@gmail.com)

The project reduced the wildfire risk to 416 homes and 70 condos located in Southeast Boise. In total approximately 6600 by 40 feet of fire break was established. This area had fuels removed and reseeded to reduced wildfire vegetation.

The SWID RC&D received a grant of approximately \$90,000 from the BLM Community assistance program to fund this project. Joshua Renz was the RC&D contact with BLM.

### **Avimor Firebreak Project**

Person Submitting Proposal: Rusty Coffelt

Start Date:      07/30/2018      End Date: December 2018.

Organization Name:      Eagle Fire Protection District

Mailing Address:      1119 E. State St. Suite #240

Contact Person Name: Scott Buck

Contact Person Phone:      208 914 8294

Contact Person Email: [sbuck@eaglefire.org](mailto:sbuck@eaglefire.org)

Agreement or Announcement Title:      Avimor Village Fuel Mitigation Project

Estimated Period of Performance:      2 years (Fall 2018/Fall 2019)

Proposed Project Location:      Avimor Village Community

Avimor Village, a Fire Wise community, is a village of 350+ homes, surrounded by foothills heavily covered in grass, sage and other wild vegetation. It is our mission to improve life safety, reduce damage to infrastructure and control the spread of wildfire in the Wildland Urban Interface through fuels



reduction by creating defensible wildfire fuels mitigation space 30 feet wide and five miles in length. The SWID RC&D received a grant of approximately \$43,000 from the BLM Community Assistance Program to fund this project.

**Key Personnel:**

Dan Richter- Managing Partner of the Avimor Development

Brad Pfannmuller- General Manager Avimor Village

Charlie Baun- Conservation Consultant

Rusty Coffelt- Fire Chief Eagle Fire Department

Jamie Vincent- Deputy Chief of Operations Eagle Fire Department

Scott Buck- Deputy Fire Marshal Eagle Fire Department

Joshua Renz - was the RC&D contact with BLM

## **Highland Nines Fuels Reduction Project**

Person Submitting Proposal: Mike Hill

Start Date: 2/15/2021 End Date: November 2021

Organization Name: Highlands Nines HOA

Mailing Address: 1322 E. Braemere Rd. Boise, ID 83702

Contact Person Name: Mike Hill

Contact Person Phone: 208-863-1050

Contact Person Email: mjhill33@gmail.com

The Highlands Nines development is surrounding on three sides by open Foothill's land making it particularly susceptible to Wildland fire risk. Fuels reduction within the Nines development decreases the chances of a fire spreading to other surrounding neighborhoods in the Boise foothills.

The expected benefit is to significantly reduce the ability of a wild land fire to spread from a common area into housing and also to make it less likely flying embers landing in the common area would ignite a fire which could spread into housing.

In addition, the Nines HOA is working with the City of Boise Fire Department to complete the work required to become a Firewise USA site, this work involves the individual homeowner's lots but is also expected to reduce the risk of wildland fire in the overall Nines development.

#### Financial/Technical Project needs:

Highlands Nines HOA has consulted with other HOA's (Surprise Valley, Hidden Springs), wild land fire experts from the BLM (Jerad Johnson), Pat Durland (Stone Creek Fire LLC), Jerry McAdams (City of Boise Fire Department), Martha Brabec (Foothills Restoration Specialist - City of Boise) and experienced contractors to develop a plan to reduce the fuel load in the common areas and create a defensible barrier on the property lines. Jared Jablonski was the RC&D's contact at BLM for technical assistance.

Highlands Nines HOA will rely on the experience of the contractor selected to a significant degree regarding the specifics of the vegetation removal.

Estimated cost for completion of the first phase of the Highland Nines HOA Fuel Reduction project ended up being about \$24,000 which the SWID RC&D received a grant from the BLM Community Assistance Program to fund.

- 1) Removal of vegetation on the perimeter of the common areas that abut the homeowner's property lines to create a fuel break. At this time, I do not have an acreage or number of homes effected but there were thirteen dump trucks of chipped vegetation were removed.
- 2) Spraying of noxious/invasive weeds and reseeding within the common areas are to be done when funding becomes available.

## US ARMY CORPS OF ENGINEERS

USACE will be creating some fuel breaks along the back of many boat-in campsites at Placer Point and Charcoal Flat this spring, assisted by IDFG. This was one element of our Lakeview Hike/Bike trail plan that moved forward, while the project in general was tabled. The fuel break is in effort to preserve high value areas of the Boise River Wildlife Management Area from fire starts originating at our boat in sites, and to also give time for recreators to flee fires descending upon them from the WMA.

- We'll begin in June 2022 when high water allows access to these areas. There's no other access.
- The break will be about 10 feet wide.
- The segments are 2400 feet and 4200 feet in length.
- Once cleared of vegetation, we'll maintain this break with herbicide. It will receive light use from visitors using it to visit the vault restrooms. We had originally planned that a recreational trail connecting this area to the dam would have provided sufficient use to eliminate the need for herbicides (same as Ridge to Rivers trail use).

We continue to provide baseline fire prevention measures generally entailing the use of herbicides to maintain bare ground road shoulders along Lucky Peak owned parking lots and roadways, maintain a bare ground 10' radius around recreation site fire amenities (ground grill, cooking grills), and maintain as bare ground many of our service roads. The attached files may help visualize the fuel breaks and service roads.

Does this help you out? Let me know if there is anything else we can provide.

Keith Hyde

Natural Resources Manager

CISM Peer Supporter

Lucky Peak Lake, Boise ID

Walla Walla District

U.S. Army Corps of Engineers

O 208.343.0671

C 208.954.7120

VOIP 208.555.4302

[keith.b.hyde@usace.army.mil](mailto:keith.b.hyde@usace.army.mil)

## **Glenns Ferry Wildfire Fuels Reduction Projects**

Person Submitting Proposal: Christy Acord for the City of Glenns Ferry

Start Date: June 2021 End Date December 2021

Start and end dates only reflect purchase of the equipment.

Organization Name: City of Glenns Ferry

Mailing Address: P.O. Box 910 Glenns Ferry, Idaho 83633

Contact Person Name: Mayor Monty White

Contact Person Phone: 208-366-7418

Contact Person Email: Mayorgf@rtci.net

Estimated Period of Performance: June 2021

### **Brush Hog \$6,600:**

The SWID RC&D received a community assistance grant from the BLM for this equipment.

### **Mini Excavator \$55,000:**

This was funded by the SWID RC&D through community assistance grant from the BLM for \$10,000, the City of Glenns Ferry for approximately \$15,000 and a \$30,000 grant to the City of Glenns Ferry through a USDA RD equipment grant for the remainder.

### **Proposed Project Location:**

The Glenns Ferry Municipal Airport, (The Curly Chambers Airport), has repaved and repaired the runway, and has seen a dramatic increase in usage of the area. It has been identified by the Glenns Ferry Fire Department that the area surrounding the runway, parking area, and hangars is a fire risk. In order to reduce this fire risk, our mission is to remove the vegetation along the runways and parking area, and to keep this vegetation and any new vegetation cut in the future.

The Glenns Ferry Highway District has also shown interest and will be using the brush hog to trim back vegetation along the roadways surrounding Glenns Ferry. A verbal agreement with the City of Glenns Ferry Public Works Manager, and Glenns Ferry Highway District is in place. The King Hill Rural Fire Department will also be using this equipment to reduce the fuel along the roadways that are the most prone to summer fires, and stated this equipment will be especially useful around the Flint Mesa area, and other areas that are utilized for outdoor recreation during the summer months.

Personnel involved:

Johnny Hernandez/Scott Nichols-Glenns Ferry Public Works Manager. Responsible for arranging Glenns Ferry Municipal Airport fuels reduction.

Derek Janousek-Glenns Ferry Fire Chief, King Hill Rural Fire Department coordinator. Jim Gluch-Glenns Ferry Highway District is responsible for coordination to reduce fuels along roadways in the Elmore County area.

Jared Jablonski was the RC&D's contact at BLM for technical assistance.

## MEADOW CREEK HOA FUELS REDUCTION PROJECT

Start Date: 7/28/20      End Date: December 2021

Project Advocate:

Centerville Fire VFD Mailing Address: 115 Grimes Pass Rd., Centerville, ID 83631-4138

Phone: (208) 392-4191      Fax:

E-mail: baumhoff.bruce@gmail.com

Project Contact Person: Trinia Richardson

Mailing Address: PO Box 189

Idaho City, ID 83631

Phone: (208) 807-0073      Fax:

E-mail: trichardson@co.boise.id.us

The meadow Creek subdivision is located in Centerville Idaho. It has approximately 30 residential structures. The roads through Meadow Creek subdivision are overgrown with grass, sage, and ponderosa pines and are very prone to fire due to the dry weather conditions in this area. Centerville Volunteer Fire Department would like to work with Boise County to reduce the overgrown fuels and provide for a safer ingress/egress for the residents in the area, as well as emergency response personnel.

Description of Project to be Accomplished and Expected Benefits:

The fuels reduction project objective is to reduce the fuel load along the roads that are owned by the Meadow Creek HOA.

This project will significantly reduce the ability of wild land fire to spread throughout the subdivision, as well as adjoining subdivisions. This work will also provide for a safe ingress/egress routes for residents as well as emergency response personnel.

Financial/Technical Project needs:

Boise County Fire Mitigation Forester (Trinia Richardson), Centerville Fire Chief (Bruce Baumhoff), BLM wild land fire expert (Jared Jablonski), and Meadow Creek HOA President (Chris Cash) worked together to develop a plan to reduce the fuel load. We relied on an experienced contractor to complete the fuels reduction.

The cost was \$17,386.00 which was funded through a grant the RC&D received from the BLM Community Assistance Program. Jared Jablonski was the RC&D's contact at BLM for technical assistance.

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2022 Ada County Multi-Hazard Mitigation Plan

## **Appendix F. Ada County Firefighting Resources and Capabilities**

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## Boise National Forest 2021 Designators

Designators have been established for key positions within Fire Management on the Boise National Forest consistent with the Intermountain Region's policy for designators and fire emergency vehicle marking standards. The intent of the designator and emergency vehicle standard is to enhance emergency and daily operations through standard nomenclature, represent the Boise NF as a cohesive professional federal fire organization while retaining unit identity, and avoid miss-communications that can be associated with using a person's last name.

The use of designators is primarily for radio communication and emergency vehicle striping and is intended to clearly identify a person's working title within the Boise National Forest organization, associated NWCG qualification standards or Line Officer status.

### Supervisors Office

| Position                     | Designator   | Name            | Location               |
|------------------------------|--------------|-----------------|------------------------|
| Forest Supervisor            | Supervisor 1 | Tawnya Brummett | Supervisors Office     |
| Deputy Forest Supervisor     | Supervisor 2 | David Francomb  | Supervisors Office     |
| Forest FMO                   | Chief 1      | Rich Zimmerlee  | Supervisors Office     |
| Forest AFMO                  | Chief 2      | Steve Baran     | Supervisors Office     |
| Forest Fire Planner          | Chief 3      | Vacant          | Supervisors Office     |
| Forest Fuels Planner         | Fuels 1      | Ryan Jones      | Supervisors Office     |
| Forest Aviation Officer      | Marolf       | Doug Marolf     | Supervisors Office     |
| Forest Fire Training Officer | Figgins      | Julia Figgins   | Supervisors Office     |
| Interagency Center Manager   | Leguineche   | Jill Leguineche | Supervisors Office/BDC |

### D-1 Mountain Home Ranger District

| Position                  | Designator          | Name                 | Location             |
|---------------------------|---------------------|----------------------|----------------------|
| District Ranger           | Ranger 1            | Stephaney Kerley     | Mtn. Home Office     |
| FMO                       | Division 1          | Mike Brady           | Mtn. Home Office     |
| AFMO-Suppression          | Battalion 1         | Ryan Erne            | Mtn. Home Office     |
| AFMO-Fuels                | Battalion 14        | Wes Duncan           | Mtn. Home Office     |
| Fuels Tech                | Fuels 141           | Mike Elles           | Mtn. Home Office     |
| <b>Crew 11</b>            | <b>Crew 11</b>      |                      |                      |
| Mtn. Home Crew Supervisor | Captain 11          | Preston Glaisyer     | Lucky Peak Station   |
| Mtn. Home Asst. Crew Sup. | 11 Alpha            | Ian Turner           | Lucky Peak Station   |
| Mtn. Home Squad Leader    | 11 Bravo            | Clint Buchan-Barnett | Lucky Peak Station   |
| <b>Engine 411</b>         | <b>Engine 411</b>   |                      |                      |
| Mtn. Home Engine SFEO     | Captain 411         | Beau Burley          | Mtn. Home Office     |
| Mtn. Home Engine FEO      | Engineer 411        | Andrew Geringer      | Mtn. Home Office     |
| Mtn. Home Engine AFEO     | Engine Operator 411 | Nick Becharas        | Mtn. Home Office     |
| <b>Engine 412</b>         | <b>Engine 412</b>   |                      |                      |
| Lucky Peak Engine SFEO    | Captain 412         | Colby Bertalotto     | Lucky Peak Station   |
| Lucky Peak Engine FEO     | Engineer 412        | Paul Mitchell        | Lucky Peak Station   |
| Lucky Peak Engine AFEO    | Engine Operator 412 | Craig Fluer          | Lucky Peak Station   |
| <b>Engine 413</b>         | <b>Engine 413</b>   |                      |                      |
| Lester Creek Engine SFEO  | Captain 413         | Joel Welch           | Lester Creek Station |
| Lester Creek Engine FEO   | Engineer 413        | Johnathan Blodgett   | Lester Creek Station |

|                             |                               |                 |                      |
|-----------------------------|-------------------------------|-----------------|----------------------|
| Lester Creek Engine AFEO    | Engine Operator 413           | Aaron Badillo   | Lester Creek Station |
| Prevention                  |                               |                 |                      |
| Prevention                  | Prevention 11                 | Chad Cline      | Mtn. Home Office     |
| Prevention                  | Patrol 12                     | Vacant          | Lester Creek Station |
| Prevention                  | Patrol 21                     | Taryn Robinson  | Lucky Peak Station   |
| Prevention                  | Patrol 22                     | Alex Abols      | Lucky Peak Station   |
| Lucky Peak Helitack         | Helicopter Superintendent 421 | Jeremy Schwandt | Lucky Peak Station   |
| Lucky Peak Helitack         | Captain 421A                  | Jose Munguia    | Lucky Peak Station   |
| Lucky Peak Helitack         | Captain 421B                  |                 | Lucky Peak Station   |
| Lucky Peak Helitack         | Squad 421C                    | Morgan Meserth  | Lucky Peak Station   |
| Lucky Peak Helitack         | Squad 421D                    | Colin Vickers   | Lucky Peak Station   |
| Lucky Peak Helitack Vehicle | Heli-tender 421               |                 | Lucky Peak Station   |
| Lucky Peak Fuel Truck       | LP Fuel Truck 421             |                 | Lucky Peak Station   |

### D-3 Idaho City Ranger District

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| District Ranger         | Ranger 3            | Brant Petersen    | Idaho City Office  |
| FMO                     | Division 3          | Chris Boldman     | Idaho City Office  |
| AFMO-Suppression        | Battalion 3         | Randy Lamb        | Idaho City Office  |
| AFMO-Fuels              | Battalion 34        | Allyn Spanfellner | Idaho City Office  |
| Fuels Tech              | Fuels 341           | Ed Hunt           | Idaho City Office  |
| Engine 431              | Engine 431          |                   |                    |
| Idaho City Engine SFEO  | Captain 431         | Ryan Green        | Idaho City Station |
| Idaho City Engine FEO   | Engineer 431        | CJ Carter         | Idaho City Station |
| Idaho City Engine AFEO  | Engine Operator 431 | Daniel Kurth      | Idaho City Station |
| Engine 432              | Engine 432          |                   |                    |
| Idaho City Engine SFEO  | Captain 432         | Anthony Rojo      | Idaho City Station |
| Idaho City Engine FEO   | Engineer 431        | Nick Adamson      | Idaho City Station |
| Idaho City Engine AFEO  | Engine Operator 432 | Cooper Wartnick   | Idaho City Station |
| Crew 3                  | Crew 3              |                   |                    |
| Crew 3 Supervisor       | Captain 3           | Gordon Wells      | Idaho City Station |
| Crew 3 Asst. Supervisor | 3A                  | Andrew Nielsen    | Idaho City Station |
| Crew 3 Squad Ldr        | 3B                  | Blake Bishop      | Idaho City Station |
| Crew 3 Squad Ldr        | 3C                  | Denver Price      | Idaho City Station |
| Prevention              |                     |                   |                    |
| Prevention              | Patrol 31           | Chris Hightower   | Idaho City Station |
| Prevention              | Patrol 32           | Kallie Leggett    | Idaho City Station |
| Idaho City Hotshots     | Crew 2              |                   |                    |
| Hotshot Superintendent  | Superintendent 2    | Brian Cardoza     | Idaho City Station |
| ICIHC Captain           | Captain 2A          | Vacant            | Idaho City Station |
| ICIHC Captain           | Captain 2B          | Steve Traverso    | Idaho City Station |
| ICIHC Squad Ldr         | Squad 2C            | Todd Wanner       | Idaho City Station |
| ICIHC Squad Ldr         | Squad 2D            | Holt Jaeger       | Idaho City Station |

### D-4 Cascade Ranger District

|                 |            |                 |                |
|-----------------|------------|-----------------|----------------|
| District Ranger | Ranger 4   | Jake Strohmeyer | Cascade Office |
| FMO             | Division 4 | Josh Warden     | Cascade Office |

|                              |                     |                   |                |
|------------------------------|---------------------|-------------------|----------------|
| AFMO-Suppression             | Battalion 4         | Patrick Morgan    | Cascade Office |
| AFMO-Fuels                   | Battalion 44        | Jim Bishop        | Cascade Office |
| Fuels Tech                   | Fuels 441           | Tim Dulhanty      | Cascade Office |
| <b>Crew 41</b>               | <b>Crew 41</b>      |                   |                |
| Crew 41 Supervisor           | Captain 41          | Rory Anderton     | Cascade Office |
| Crew 41 Assistant Supervisor | 41A                 | Shane Kelley      | Cascade Office |
| Crew 41 Squad Ldr            | 41B                 | Stanton Schaeffer | Cascade Office |
| <b>Engine 441</b>            | <b>Engine 441</b>   |                   |                |
| Cascade Engine SFEO          | Captain 441         | James Brown       | Cascade Office |
| Cascade Engine FEO           | Engineer 441        | Matt Haupt        | Cascade Office |
| Cascade Engine AFEO          | Engine Operator 441 | Jeff Henderson    | Cascade Office |
| <b>Prevention</b>            |                     |                   |                |
| Prevention                   | Patrol 41           | Kim Drake         | Cascade Office |
| Prevention                   | Patrol 42           | Darcey Doyle      | Cascade Office |

### D-5 Lowman Ranger District

|                          |                     |                           |                |
|--------------------------|---------------------|---------------------------|----------------|
| District Ranger          | Ranger 5            | <b>Vacant</b>             | Lowman Office  |
| FMO                      | Division 5          | Colin Good                | Lowman Office  |
| AFMO –Suppression        | Battalion 5         | Richard “Aaron” Schneider | Lowman Office  |
| AFMO-Fuels               | Battalion 54        | Ryan Shannahan            | Lowman Office  |
| Fuels Tech               | Fuels 541           | Guy Blom                  | Lowman Office  |
| <b>Engine 451</b>        | <b>Engine 451</b>   |                           |                |
| Lowman Engine SFEO       | Captain 451         | Colter Stewart            | Lowman Station |
| Lowman Engine FEO        | Engineer 451        | Andy Wagner               | Lowman Station |
| Lowman Engine AFEO       | Engine Operator 451 | <b>Vacant</b>             | Lowman Station |
| <b>Crew 5</b>            | <b>Crew 5</b>       |                           |                |
| Crew 5 Supervisor        | Captain 5           | Chris Knight              | Lowman Station |
| C 5 Assistant Supervisor | 5A                  | Nick Terrell              | Lowman Station |
| C 5 Squad Ldr            | 5B                  | John Wagner               | Lowman Station |
| C 5 Squad Ldr            | 5C                  | Jason Overfelt            | Lowman Station |
| <b>Prevention</b>        |                     |                           |                |
| Prevention               | Patrol 51           | <b>Vacant</b>             | Lowman Station |
| Prevention               | Patrol 52           | Mary Wagner               | Lowman Station |

### D-6 Emmett Ranger District

|                           |                     |                    |                       |
|---------------------------|---------------------|--------------------|-----------------------|
| District Ranger           | Ranger 6            | Katie Wood         | Emmett Office         |
| FMO                       | Division 6          | Quincy Chung       | Emmett Office         |
| AFMO-Suppression          | Battalion 6         | Tim Garity         | Garden Valley Office  |
| AFMO-Fuels                | Battalion 64        | Justin Yankey      | Emmett Office         |
| Fuels Tech                | Fuels 641           | Zachary Van Abbema | Emmett Office         |
| <b>Engine 461</b>         | <b>Engine 461</b>   |                    |                       |
| Garden Valley Engine SFEO | Captain 461         | <b>Vacant</b>      | Garden Valley Station |
| Garden Valley Engine FEO  | Engineer 461        | Andrew Patota      | Garden Valley Station |
| Garden Valley Engine AFEO | Engine Operator 461 | Sam Lewis          | Garden Valley Station |
| <b>Prevention</b>         |                     |                    |                       |
| Prevention                | Patrol 61           | Willie Rockhill    | Garden Valley Station |
| Prevention                | Patrol 62           | <b>Vacant</b>      | Emmett Office         |
| Prevention                | Patrol 63           | Sarah Jorgenson    | Emmett Office         |

|                        |                               |                 |                       |
|------------------------|-------------------------------|-----------------|-----------------------|
| Garden Valley Helitack | Helicopter Superintendent 422 | Dan Crowell     | Garden Valley Station |
| Garden Valley Helitack | Captain 422A                  | DW Cook         | Garden Valley Station |
| Garden Valley Helitack | Squad Ldr 422B                | Karl Briggs     | Garden Valley Station |
| Garden Valley Helitack | Squad Ldr 422C                | Jacob Lancaster | Garden Valley Station |
| GV Helitack Vehicle    | Heli-tender 422               |                 | Garden Valley Station |
| GV Fuel Truck          | GV Fuel Truck 422             |                 | Garden Valley Station |
| Boise Hotshots         | Crew 7                        |                 | Garden Valley Station |
| BIHC Superintendent    | Superintendent 7              | Deon Berner     | Garden Valley Station |
| BIHC Captain           | Captain 7A                    | Dave Rogan      | Garden Valley Station |
| BIHC Captain           | Captain 7B                    | Allison Lund    | Garden Valley Station |
| BHIC Squad Ldr         | Squad 7C                      | Chris Lowers    | Garden Valley Station |
| BHIC Squad Ldr         | Squad 7D                      | Michael Wynkoop | Garden Valley Station |

**Chief** – Equivalent to Fire Staff Officer, Forest FMO or Forest AFMO.

**Division Chief** – Equivalent to FMO. The designator will be used to identify the FMO or, provided that the incumbent meets the minimum DIVS and ICT3 qualification. Currency is required (see PMS 310-1 pg 11 definition of 'currency'). In the event that the incumbent does not meet the qualification criteria or loses currency, they will revert to a designator that recognizes their GS-11 status, but will not be designated as a Division Chief.

**Battalion Chief** – Equivalent to district AFMO, fire or fuels. The incumbent must meet the minimum DIVS and/or ICT3 qualification. Currency is required (see PMS 310-1 pg 11 definition of 'currency'). In the event that the incumbent does not meet these criteria, or loses currency, they will revert to a designator that recognizes their AFMO status, but will not be designated as a Battalion Chief. For example: Fuels-X4 (X signifying the District number).

**Engines** – All Boise NF engines will follow Intermountain Region Fire Emergency Vehicle Markings standards. Example: ID-BOF-ENG-431, where '4' designates the type, where '3' designates Idaho City RD, and '1' indicates the station identifier for that engine on that district.

**Captain** – Is a designator for Module Leaders, such as Engine Captain, Type 2 I.A. Crew Captain, or Hotshot Captain. Captains will only use their designator when they are away from their assigned module. At all other times they will use their module designator.

**Example:** Captain-431 would use this designator when he is on the hill and is requesting something from Engine-431; or Captain-431 remained in station while Engine-431 is out doing project work... ie "Engine-431", this is "Captain-431".

**Engineer** – Is the R-4 Engine Committee standard designator for the Assistant Captain on a wildland fire engine, ie Engineer-431.

**Prevention** - A prevention unit consists of one Prevention Officer without pumping capability.

**Patrol** - A patrol unit consists of a Type 6 or 7 engine with one firefighter. The minimum qualification for a Patrol Officer is FFT2. Note: To be utilized as a Type 6 or 7 engine on a wildfire, the staffing level must meet Redbook standards for personnel and qualification, and Fireline Handbook standards for equipment.

**Type 2 I.A. Crews** - When on-forest, the Type 2 I.A. Crews will use their Crew-3, Crew-5, designators. When off-forest on assignment, the Type 2 I.A. Crews will go by Boise NF Crew-3, 5.

When Crews breaks down into their 6 person squads for Initial Attack, they will use their designators indicating Crew and Squad identifiers as:

| <b>Designator</b> | <b>Assistants</b> | <b>Squad</b> |
|-------------------|-------------------|--------------|
| Crew – 2 IHC      | Alpha             | Bravo        |
| Crew – 3          |                   | Charlie      |
| Crew – 5          |                   |              |
| Crew – 7 IHC      |                   |              |

**US Bureau of Land Management**

Last Update: February 2021

**OVERHEAD**

| POSITION                                   | NAME                | IDENTIFIER | OFFICE PHONE |
|--|---------------------|------------|--------------|
| FIRE MANAGEMENT OFFICER                    | RUSS BABIAK         | CHIEF 1-1  | 208.384.3401 |
| ASST FIRE MANAGEMENT OFFICER               | VACANT              | CHIEF 1-2  | 208.384.3453 |
| FUELS PROGRAM MANAGER                      | LANCE OKESON        | CHIEF 1-3  | 208.384.3486 |
| FIRE PLANNER                               | VACANT              |            | 208.384.3461 |
| FIRE PREVENTION & MITIGATION               | JOSH RENZ           | CHIEF 1-4  | 208.384.3444 |
| FIRE OPERATIONS SUPERVISOR - SOUTHERN AREA | DAN BETTS           | BAT 30     | 208.384.3471 |
| FIRE OPERATIONS SUPERVISOR - BOISE AREA    | JUSTIN SCHELLENBERG | BAT 20     | 208.384.3481 |
| FIRE OPERATIONS SUPERVISOR - NORTHERN AREA | LINDSEY NEIWERT     | BAT 10     | 208.384.3284 |
| FIRE OPERATIONS SUPERVISOR – BOISE AREA    | DENNIS KONRAD       | BAT 21     | 208.384.3264 |
| FIRE OPERATIONS SUPERVISOR - AVIATION      | RAY RADDATZ         | BAT 40     | 208.334.1028 |
| FIRE OPERATIONS SUPERVISOR - FUELS         | CHRIS CROMWELL      | CHIEF 1-5  | 208.384.3469 |
| FIRE INVESTIGATOR                          | BOISE               | INV 1      | 208.384.3409 |
| FIRE INVESTIGATOR                          | BOISE               | INV 2      | 208.384.3482 |
| DAILY SUPERVISOR                           | WILD WEST           | SUPT 11    | 208.384.3281 |
| DAILY SUPERVISOR                           | UNIT A BOISE        | SUPT 21    | 208.384.3286 |
| DAILY SUPERVISOR                           | UNIT B BOISE        | SUPT 22    | 208.384.3472 |
| DAILY SUPERVISOR                           | UNIT C BOISE        | SUPT 23    | 208.384.3283 |
| DAILY SUPERVISOR                           | HAMMETT             | SUPT 31    | 208.366.7722 |
| DAILY SUPERVISOR                           | BRUNEAU             | SUPT 32    | 208.845.2011 |
| PREVENTION / INFORMATION                   | Jared Jablonski     | FIRE INFO  | 208.384.3378 |

**ENGINES**

| RESOURCE | LOCATION       | IDENTIFIER | TYPE   |
|----------|----------------|------------|--------|
| ENGINE   | STAR           | E1301      | TYPE 3 |
| ENGINE   | STAR           | E1411      | TYPE 4 |
| ENGINE   | STAR           | E1412      | TYPE 4 |
| ENGINE   | UNIT A - BOISE | E1415      | TYPE 4 |

|        |                |       |        |
|--------|----------------|-------|--------|
| ENGINE | UNIT A - BOISE | E1421 | TYPE 4 |
| ENGINE | UNIT A - BOISE | E1422 | TYPE 4 |
| ENGINE | UNIT B - BOISE | E1416 | TYPE 4 |
| ENGINE | UNIT B - BOISE | E1424 | TYPE 4 |
| ENGINE | UNIT B - BOISE | E1425 | TYPE 4 |
| ENGINE | UNIT C - BOISE | E1427 | TYPE 4 |
| ENGINE | UNIT C - BOISE | E1428 | TYPE 4 |
| ENGINE | HAMMETT        | E1302 | TYPE 4 |
| ENGINE | HAMMETT        | E1432 | TYPE 4 |
| ENGINE | HAMMETT        | E1433 | TYPE 4 |
| ENGINE | BRUNEAU        | E1434 | TYPE 4 |
| ENGINE | BRUNEAU        | E1435 | TYPE 4 |
| ENGINE | BRUNEAU        | E1436 | TYPE 4 |

#### HEAVY EQUIPMENT

| RESOURCE     | LOCATION | IDENTIFIER | TYPE |
|--------------|----------|------------|------|
| DOZER        | BOISE    | DZ1833     | 2    |
| DOZER        | BOISE    | DZ1834     | 2    |
| DOZER        | BRUNEAU  | DZ1831     | 2    |
| DOZER        | BRUNEAU  | DZ1832     | 2    |
| WATER TENDER | BOISE    | WT1931     | 2    |
| WATER TENDER | BOISE    | WT1932     | 2    |
| WATER TENDER | BRUNEAU  | WT1933     | 1    |
| FUEL TENDER  | BOISE    | FT1199     |      |

#### AVIATION

| RESOURCE   | LOCATION | IDENTIFIER | TYPE |
|------------|----------|------------|------|
| AIR ATTACK | BOISE    | AA5DT      | FW   |
| HELICOPTER | BOISE    | 803PJ      | 1    |

# Boise District BLM Call Numbers 2021

| <u>Call #</u>  | <u>Name</u>         | <u>Title</u>              | <u>Call #</u>          | <u>Resource</u>               | <u>Location</u>        |
|--|---------------------|---------------------------|------------------------|-------------------------------|------------------------|
| Chief 1-1  | Russ Babiak         | FMO                       | E1411                  | Engine Type IV                | Wild West              |
| Chief 1-2  | Vacant              | AFMO                      | E1412                  | Engine Type IV                | Wild West              |
|  | Vacant              | Fire Operations Manager   | E1301                  | Engine Type III               | Wild West              |
| Chief 1-3  | Lance Okeson        | Fuels Program Coordinator |                        |                               |                        |
| Chief 1-4  | Josh Renz           | Prevention/Information    | E1415                  | Engine Type IV                | Unit A Boise           |
| <b>Investigation/Prevention</b>  |                     |                           | E1421                  | Engine Type IV                | Unit A Boise           |
| Investigation 1  | Chelsea Rounds      | Daily-Investigator        | E1422                  | Engine Type IV                | Unit A Boise           |
| Investigation 2  | Vacant              | Daily-Investigator        | E1416                  | Engine Type IV                | Unit B Boise           |
| Information 1  | Jared Jablonski     | Information Officer       | E1424                  | Engine Type IV                | Unit B Boise           |
| Information 2  | Vacant              | Information Officer       | E1425                  | Engine Type IV                | Unit B Boise           |
| <b>Battalion/FOS Group</b>   |                     |                           | E1427                  | Engine Type IV                | Unit C Boise           |
| Bat 10   | Lindsey Neiwert     | 871-1843                  | E1428                  | Engine Type IV                | Unit C Boise           |
| Bat 20   | Justin Schellenburg | 871-1835                  |                        |                               |                        |
| Bat 21   | Dennis Konrad       | 871-7544                  | E1432                  | Engine Type IV                | Hammett                |
| Bat 30   | Dan Betts           | 871-1830                  | E1433                  | Engine Type IV                | Hammett                |
| <b>Unit Superintendents</b>  |                     |                           | E1302                  | Engine Type III               | Hammett                |
| Supt 11- Wild West   | Nick Loveless       | 871-7538                  | E1434                  | Engine Type IV                | Bruneau                |
| Supt 21 - Boise Yard   | Chad Niblett        | 401-4295                  | E1435                  | Engine Type IV                | Bruneau                |
| Supt 22 - Boise Yard   | TJ Gholson          | 484-8878                  | E1436                  | Engine Type IV                | Bruneau                |
| Supt 23 - Boise Yard   | Ben Rojas           | 871-7520                  |                        |                               |                        |
| Supt 31- Hammett   | Ray Bilbao          | 789-4259                  | <b>Heavy Equipment</b> |                               |                        |
| Supt 32 - Bruneau  | James Brummond      | 908-1629                  | DZ1831                 | Dozer D6R                     | Bruneau                |
| *Supts will be qualified as a TFLD and ICT4 or will use Chase as Designator      |                     |                           | DZ1832                 | Dozer D6T                     | Bruneau                |
| <b>Helitack</b>  |                     |                           | DZ1833                 | Dozer D6T                     | Boise                  |
| HT40   | Chase Truck         | White Chase               | DZ1834                 | Dozer D6T                     | Boise                  |
| HT43   | Chase Truck         | White Chase               |                        |                               |                        |
| HT44   | Chase Truck         | Yellow Chase              | WT1931                 | Water Tender Type II/3500 gal | Boise                  |
| <b>Fuels</b>   |                     |                           | WT1932                 | Water Tender Type II/3500 gal | Boise                  |
| Fuels 51   | Chris Cromwell      | Monitoring                | WT1933                 | Water Tender Type I/6500 gal  | Bruneau                |
| Fuels 52   | Shared              | Archeology                |                        |                               |                        |
| Fuels 53   | Courtney Wyatt      | Fuels Ops                 | FT1199                 | Fuel Tender                   | Boise                  |
| Fuels 54   | Chris Cromwell      | Monitoring                |                        |                               |                        |
| Fuels 55   | Shared              | Fuels Ops                 | <b>Air Attack</b>      |                               |                        |
| Fuels 56   | Fuels 1 Ton         | TerraTorch/Warehouse      | <b>Helicopter</b>      |                               |                        |
| <b>The district is divided into 3 areas. North, Middle, and South</b>            |                     |                           | 425DT                  |                               | Air Attack Base, Boise |
| 1 - all resources stationed in the North will have a 1 designator                |                     |                           | 803PJ (Type 1 Helo)    |                               | Air Attack Base, Boise |
| 2 - all resources stationed in the Boise Yard will have a 2 designator           |                     |                           |                        |                               |                        |
| 3 - all resources stationed in the South will have a 3 designator                |                     |                           |                        |                               |                        |
| 4 - all resources assigned to Helitack will have a 4 designator                  |                     |                           |                        |                               |                        |
| 5 - all resources assigned to Fuels group will have a 5 designator               |                     |                           |                        |                               |                        |
| 8 - all resources assigned to the Heavy equipment group will have a 8 designator |                     |                           |                        |                               |                        |



## Boise Fire Department

### Personnel

| Administration                        |                 |            |
|---------------------------------------|-----------------|------------|
| Title                                 | Name            | Identifier |
| Fire Chief                            | Mark Niemeyer   | 101        |
| Planning & Administration Asst. Chief | Kim Brown       |            |
| Emergency Services Asst. Chief        | Brad Bolen      | 102        |
| Support Services Asst. Chief          | Romeo Gervais   | 103        |
| Operations/EMS Division Chief         | Aaron Hummel    | 104        |
| Special Operations Division Chief     | Paul Roberts    | 105        |
| Training & Safety Division Chief      | Steve Rasulo    | 107        |
| Logistics Division Chief              | Lance Carbone   | 108        |
| Fire Marshal Division Chief           | Mike Bisagno    | 109        |
| Wildfire Division Chief               | Tony Piscopo    | 110        |
| Emergency Management Manager          | Rachel Holford  | 115        |
| Operations                            |                 |            |
| Title                                 | Name            | Identifier |
| Battalion Chief BC1/A                 | Jonas Dethman   | 134        |
| Battalion Chief BC2/A                 | Greg Ramey      | 136        |
| Battalion Chief BC3/A                 | John Peugh      | 138        |
| Battalion Chief BC1/B                 | Tom Moore       | 139        |
| Battalion Chief BC2/B                 | Mike Walker     | 133        |
| Battalion Chief BC3/B                 | Roy Mitchell    | 135        |
| Battalion Chief BC1/C                 | Terry Theriot   | 137        |
| Battalion Chief BC2/C                 | Brian Ashton    | 131        |
| Battalion Chief BC3/C                 | Shawn Res       | 132        |
| Logistics                             |                 |            |
| Title                                 | Name            | Identifier |
| Captain Logistics                     | Kevin Wilson    | 121        |
| Captain Logistics                     | VACANT          | 122        |
| Captain Logistics                     | Brian Skinner   | 123        |
| Captain Logistics                     | Dan Hopkins     | 124        |
| Supply/Inventory Specialist           | Jen Sword       |            |
| Training                              |                 |            |
| Title                                 | Name            | Identifier |
| Captain Training                      | Jeremy Kircher  | 151        |
| Captain Training                      | Shawn Cope      | 152        |
| Captain Training                      | Marcus Rainey   | 153        |
| Captain Training                      | Kurt Freeman    | 154        |
| Captain Training                      | Stephen Madigan | 155        |
| Captain Training                      | Chad Cain       | 156        |
| Captain Training                      | Vacant          |            |

| Prevention                      |                |            |
|---------------------------------|----------------|------------|
| Title                           | Name           | Identifier |
| Captain Inspector/ Investigator | Joel Damron    | 141        |
| Captain Inspector               | Dray Thompson  | 142        |
| WUI Mitigation Captain          | Jerry McAdams  | 143        |
| Captain Investigator/Pub Ed     | Roy Boehm      | 144        |
| Captain Inspector               | Jesse Tappert  | 145        |
| Captain Inspector               | DeWaine Kuehl  | 146        |
| Captain Inspector/Investigator  | Forrest France | 147        |
| Captain Inspector               | Justin Wright  | 148        |

#### Apparatus

| Category          | #  | Type | Availability | Staffing     | Designator   |
|-------------------|----|------|--------------|--------------|--|
| Structural Engine | 16 | II   | In-Service   | 3 Personnel  | E1,E2,E3,E4,E5,E6,E7,E8,E9,E10,E11,E12,E14,E15,E16,E17 |
| Structural Engine | 5  | II   | Reserve      | Not Staffed  | R2,R10,R8,R10,R16                                      |
| Structural Engine | 1  | II   | Training     | Not Staffed  | TRN!, TRN2, TRN3                                       |
| Aerial Platform   | 2  | I    | In-Service   | 4 Personnel  | T4,T7  |
| Aerial Ladder     | 1  | I    | In-Service   | 4 Personnel  | T5 (Tiller)  |
|                   |    |      |              |              |  |
| Heavy Rescue      | 1  | II   | In-Service   | Per Incident | RSQ7- ITR2   |
| Command           | 3  |      | In-Service   | 1 Person     | BC1, BC2, BC3  |
| Wildland Engine   | 5  | IV   | In-Service   | 3 Personnel  | BR2,BR9,BR13,BR14,BR15                                 |
| Wildland Engine   | 1  | V    | In-Service   | Per Incident | BR16   |
| Wildland Engine   | 2  | VI   | In-Service   | Per Incident | BR01,BR12  |
| Water Tender      | 3  | I    | In-Service   | 1 Person     | WT12,WT14,WT16   |
| HazMat            | 1  | I    | In-Service   | Per Incident | HazMat 17 (Hackney)- RRT4                              |
| HazCom            | 1  |      | In-Service   | Per Incident | HazCom 17 (30' Command)- RRT4                          |
| Rescue Squad      | 1  |      | In-Service   | Per Incident | Squad 7  |
| Rescue Trailer    | 1  |      | In-Service   | Per Incident |  |
| Boat              | 1  | III  | In-Service   | Per Incident | Dive 1   |
| Jet Ski           | 2  |      | In-Service   | Per Incident | Jet Ski 1  |
| ARFF Command      | 1  |      | In- Service  | 1 Person     | Smokey 7   |
| ARFF              | 1  |      | In- Service  | 2 Personnel  | Smokey 9 (1500 gal)                                    |
| ARFF              | 1  |      | In- Service  | 2 Personnel  | Smokey 10 (3000 gal)                                   |
| ARFF              | 1  |      | Reserve      | Not Staffed  | Smokey 8   |
| Foam Engine       | 1  |      | In-Service   | Per Incident | Foam 6 (1160 gal)                                      |
| Air Trailer       | 1  |      | In-Service   | Per Incident | Air (SCBA)   |

|        |   |  |            |              |                   |
|--------|---|--|------------|--------------|-------------------|
| Rehab  | 1 |  | In-Service | Per Incident | Rehab             |
| AHIMT3 | 1 |  | In-Service | Per Incident | Boise City AHIMT3 |

## Eagle Fire District

### Administration and Personnel

| Title                              | Name             | Identifier |
|------------------------------------|------------------|------------|
| Fire Chief                         | Tyler Lewis      | 401        |
| Deputy Chief – Fire Marshal        | Scott Buck       | 402        |
| Deputy Chief-Support Services      | Jamie Vincent    | 403        |
| Division Chief-Deputy Fire Marshal | John Francesconi | 404        |
| Deputy Chief-Operations            | Theron Hudson    | 406        |
| Division Chief-Training            | Kelsey Backen    | 405        |
|                                    |                  | 407        |
| Safety Officer                     | Kelly Chadd      | 451        |
| Safety Officer                     | Tyler Assmus     | 452        |
| 51 Career Firefighters             |                  |            |
|                                    |                  |            |

### Apparatus

Station: #1 – 966 E. Iron Eagle Dr. Eagle, Idaho

| Category                        | Type | Staffing      | Identifiers       | Availability |
|---------------------------------|------|---------------|-------------------|--------------|
| Quint                           | 1    | 3-4 Personnel | T41               | In Service   |
| Heavy Rescue                    |      | 3-4 Personnel | R41               | In Service   |
| Squad 41-Swift Water Rescue     |      | 1-4 Personnel | SQ41              | In Service   |
| Brush Engine                    | 6    | 3-4 Personnel | B41               | In Service   |
| Brush Engine                    | 6    | 3-4 Personnel | Reserve<br>Brush  | Reserve      |
| Reserve Engine                  | 1    | 3-4 Personnel | Reserve<br>Engine | Reserve      |
| ATV/Tactical Rescue Vehicle     |      | 3-4 Personnel | TRV41             | In Service   |
| Command – Battalion 41          |      | 1             | 465               | In Service   |
| Command – Fire Chief            |      | 1             | 473               | In Service   |
| Command- Response Chief         |      | 1             | 474               | In Service   |
| Command – Investigation         |      | 1             | 462               | In Service   |
| Command – Safety                |      | 1             | 471               | In Service   |
| Command – Investigation         |      | 1             | 466               | In Service   |
| Command – Response Chief        |      | 1             | 472               | In Service   |
| Command – Response Chief        |      | 1             | 461               | In Service   |
| Rehab Trailer                   |      | Per Incident  | Rehab             | In Service   |
| Incident Communications Trailer |      | Per Incident  | ICT               | In Service   |

Station #2 – 3180 E. Floating Feather Rd. Eagle, Idaho

|                               |   |               |       |            |
|-------------------------------|---|---------------|-------|------------|
| Structural Engine             | 1 | 3-4 Personnel | E42   | In Service |
| Brush Engine                  | 6 | 3-4 Personnel | B42   | In Service |
| ATV / Tactical Rescue Vehicle |   | 3-4 Personnel | TRV42 | In Service |
| Dozer 42                      |   | 1 Person      | DOZ42 | In Service |

Station #3 – 825 N. Cactus Creek Ave. Eagle, Idaho

|                   |   |               |      |            |
|-------------------|---|---------------|------|------------|
| Structural Engine | 1 | 3-4 Personnel | E43  | In Service |
| Brush Engine      | 6 | 3-4 Personnel | B43  | In Service |
| Water Tender      |   | 1-2 Personnel | WT43 | In Service |

Station #5– 5871 W. Hidden Springs Dr. Boise, Idaho

|                     |   |               |       |            |
|---------------------|---|---------------|-------|------------|
| Structural Engine   | 1 | 3-4 Personnel | E45   | In Service |
| Brush Engine        | 5 | 3 Personnel   | B45   | In Service |
| ATV/Tactical Rescue |   | 3-4 Personnel | TRV45 | In Service |

**Idaho Department of Lands-**  
**Southwest Idaho Forest Protective District**

Casper Urbanek      Fire Warden  
Tyke Lofing          Assistant Fire Warden  
Bryan Durkin        Assistant Fire Warden  
Bob Pietras          Area Manager

**Aircraft:**      Available statewide from mid-June through mid-October (extended when needed)

Helicopters – Two Type 2 helicopters with seven-person helitack staffed in Coeur d’Alene and Lewiston area.

Single Engine Air Tanker (SEAT):      McCall (2), Grangeville (2),  
Fire Boss Scooper:                      Coeur d’Alene (2)

|                   |               |                 |                 |
|-------------------|---------------|-----------------|-----------------|
| <b>Equipment:</b> | <u>Call #</u> | <u>Resource</u> | <u>Location</u> |
|                   | E-06          | Engine Type 5   | Boise           |
|                   | E-25          | Engine Type 5   | Boise Basin     |
|                   | E-12          | Engine Type 5   | High Valley     |

|               |               |                  |                    |
|---------------|---------------|------------------|--------------------|
| <b>Crews:</b> | <u>Call #</u> | <u>Resource</u>  | <u>Location</u>    |
|               | Crew 39       | Type 2 IDOC crew | Idaho City / Boise |

Additional Type 2 IDOC crews may be available from Orofino and St. Anthony, ID

**Other staff includes:**

Fire Information, Investigation, Prevention, and Mitigation programs are administered by district fire staff.

The Fire Management Bureau staff in Coeur d’Alene and Boise provides state-wide support in fire business, resource and incident management, and interagency fire cache operations.

## ***Kuna Rural Fire District***

### Personnel

| <b>Title</b>         | <b>Name</b>   | <b>Identifier</b> |
|----------------------|---------------|-------------------|
| Fire Chief           | Perry Palmer  | 601               |
| Assistant Fire Chief | Terry Gammel  | 602               |
| Battalion Chief      |               | 603               |
| Captain              | TJ Lawrence   | 6842              |
| Captain              | Joe Link      | 6830              |
| Captain              | John Charlton | 6847              |

### Apparatus

| <b>Category</b>  | <b>Identifier</b> |
|------------------|-------------------|
| Structure Engine | E-61 (Type 2)     |
| Structure Engine | E-62 (Type 2)     |
| Water Tender     | WT-61             |
| Brush Squad      | BR-61 (Type 4)    |
| Brush Squad      | BR-62 (Type 3)    |
| Ambulance        | KM-61 (Type 2)    |
| Ambulance        | KM-63 (Type 2)    |
| Command F-150    | 602               |
| Command Explorer | 601               |

## ***Kuna Rural Fire District***

### Personnel

| <b>Title</b>         | <b>Name</b>   | <b>Identifier</b> |
|----------------------|---------------|-------------------|
| Fire Chief           | T.J. Lawrence | 601               |
| Assistant Fire Chief | None          | 602               |
| Battalion Chief      | None          | 603               |
| Captain              | Matt Coffelt  | 6857              |
| Captain              | Joe Link      | 6830              |
| Captain              | John Charlton | 6847              |

### Apparatus

| <b>Category</b>  |          | <b>Identifier</b> |
|------------------|----------|-------------------|
| Structure Engine |          | E-61 (Type 1)     |
| Structure Engine |          | E-62 (Type 1)     |
| Water Tender     |          | WT-61             |
| Brush            |          | BR-61 (Type 4)    |
| Brush            |          | BR-62 (Type 4)    |
| Squad            | F-150    | SQ-61             |
| Command          | GMC 1500 | 601               |



## ***Meridian Fire Department***

### **Personnel**

| <b>Title</b>               | <b>Name</b>         | <b>Identifier</b> |
|----------------------------|---------------------|-------------------|
| Chief                      | Kristopher Blume    | 301               |
| Deputy Chief Operations    | Charlie Butterfield | 302               |
| Division Chief Logistics   | Justin Winkler      | 307               |
| Deputy Chief Prevention    | Joe Bongiorno       | 304               |
| Division Chief of Training | Jordan Reese        | 305               |
| Division Chief of EMS      | JD Hendrick         | 306               |

|                         |                 |      |
|-------------------------|-----------------|------|
| Battalion Chief A Shift | Kristian Forbey | BC31 |
| Battalion Chief B Shift | Tyler Rountree  | BC31 |
| Battalion Chief C Shift | Ken Welborn     | BC31 |

### **Apparatus**

| <b>Category</b>   | <b>#</b> | <b>Type</b> | <b>Availability</b> | <b>Staffing</b> | <b>Identifier</b>                          |
|-------------------|----------|-------------|---------------------|-----------------|--|
| Structural Engine | 5        | II          | In-service          | 3 Personnel     | E32, E33, E34, E35, E36                    |
| Structural Engine | 3        | II          | Reserve             | Not staffed     | E31, E37, E38                              |
| Aerial Platform   | 1        | II          | In-service          | 4 Personnel     | T31  |
| Command           | 1        |             | In-service          | 1 Person        | BC31                                       |
| Wildland Engine   | 2        | VI          | In-service          | 3 Personnel     | BR34, BR35 - Cross Staffed with E34, E35   |
| Water Tender      | 1        | II          | In-service          | 2 Personnel     | WT32 Cross Staffed with E32 - 3000 Gallons |
|                   |          |             |                     |                 |  |
| Command Trailer   | 1        |             | In-service          | Per incident    | COMM Trailer                               |

## ***Star Fire Protection District/Middleton Rural Fire District***

***We are operating with a joint power's agreement as (Mid/Star Fire)***

Stations #51, 52, 53

### **Personnel**

| <b>Title</b>                      | <b>Name</b>   | <b>Identifier</b>  |
|-----------------------------------|---------------|--------------------|
| Fire Chief                        | Greg Timinsky | 501                |
| Operations Chief                  | David Sparks  | 502                |
| Fire Marshal                      | Victor Islas  | 503                |
| Career Firefighters (Star)        | 21            | Stations 51 and 52 |
| Career Firefighter<br>(Middleton) | 13            | Station 53         |

### **Apparatus**

| <b>Category</b>                    | <b>Identifier</b> | <b>Staffing / Availability</b>    |
|------------------------------------|-------------------|-----------------------------------|
| Structural Engine (Star)           | E-51              | Staffed with min of 3 per shift   |
| Structural Engine (Star)           | E-52              | Staffed with min of 3 per shift   |
| Structure Engine<br>(Middleton)    | E-53              | Staffed with min of 3 per shift   |
| Structural Engine<br>(Mid/Star)    | E-54              | Reserve Engine                    |
| Tender (Star)                      | WT-51             | Available Per Incident            |
| Tender (Middleton)                 | WT-53             | Available Per Incident            |
| Brush Engine Type 3<br>(Star)      | B-51              | Available per Incident            |
| Brush Engine Type 5<br>(Star)      | B-52              |                                   |
| Brush Engine Type 3<br>(Middleton) | B-53              | Available per Incident            |
| Brush Engine Type 4<br>(Middleton) | B-54              | Available per Incident            |
| Air Trailer                        | A-51              | Available Per Incident            |
| Command Vehicle (Star)             | 501               | Staffed or available per incident |
| Command Vehicle (Star)             | 502               | Staffed or available per incident |
| Command Vehicle<br>(Middleton)     | 503               | Staffed or available per incident |

## **Appendix G. FEMA Approval Letter and Plan Adoption Resolutions from Planning Partners**

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**FEMA**

January 25, 2023

The Honorable Rod Beck  
Chairman, Ada County Board of Commissioners  
200 West Front Street  
Boise, ID 83702

Dear Chairman Beck:

On November 9, 2022, the United States Department of Homeland Security's Federal Emergency Management Agency (FEMA) Region 10, approved the Ada County Hazard Mitigation Plan as a multi-jurisdictional local plan as outlined in Code of Federal Regulations Title 44 Part 201. This approval provides the below jurisdictions eligibility to apply for the Robert T. Stafford Disaster Relief and Emergency Assistance Act's, Hazard Mitigation Assistance grants projects November 8, 2027, through your state:

|   |                                   |                       |
|---|-----------------------------------|-----------------------|
| Ada County                                | City of Star                      | City of Garden City   |
| North Ada County Fire and Rescue District | Star City and Water District      | Boise School District |
| Flood Control District #10                | Ada County Hwy District           | City of Meridian      |
| City of Eagle                             | Greater Boise Auditorium District | City of Boise         |
| Eagle Fire Protection District            | Whitney Fire Protection District  |                       |

The updated list of approved jurisdictions includes the Boise School District, Flood Control District #10, Ada County Hwy District, City of Meridian, City of Eagle, Greater Boise Auditorium District, City of Boise, Eagle Fire Protection District and Whitney Fire Protection District that recently adopted the Ada County Mitigation Plan. To continue eligibility, jurisdictions must review, revise as appropriate, and resubmit the plan within five years of the original approval date.

If you have questions regarding your plan's approval or FEMA's mitigation grant programs, please contact, Lorrie Pahl, Senior Mitigation Planner with Idaho Office of Emergency Management, at (208) 258-6508, who coordinates and administers these efforts for local entities.

Sincerely,

Kristen Meyers, Director  
Mitigation Division

cc: Susan Cleverley, Idaho Office of Emergency Management

**RESOLUTION ADOPTING THE 2022 UPDATE OF THE ADA COUNTY  
MULTI-HAZARD MITIGATION PLAN**

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment and the County's economy; and

**WHEREAS**; pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre and post disaster hazard mitigation programs; and

**WHEREAS**; a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating and revising this strategy; and

**WHEREAS**, a review and update of local mitigation plans are required every five (5) years, in accordance with 44 C.F.R. 201.3(d)(2).

**BE IT THEREFORE RESOLVED**, the Board of Ada County Commissioners does hereby support and adopt in its entirety, Volume I, the Ada County annex of Volume II and the appendices of Volume II of the Ada County Multi- Hazard Mitigation Plan (ACMHMP).

**BE IT FURTHER RESOLVED**, the Board of Ada County Commissioners

1. Will use the adopted and approved portions of the ACMHMP to guide pre and post disaster mitigation of the hazards identified.
2. Will coordinate the strategies identified in the ACMHMP with other planning programs and mechanisms under its jurisdictional authority.
3. Will continue its support of the Steering Committee and continue to participate in the Planning Partnership as described by the ACMHMP.


///Signatures on Following Page///

**APPROVED AND ADOPTED** this 25<sup>th</sup> day of October 2022

**BOARD OF ADA COUNTY COMMISSIONERS**

By:   
Rod Beck, Commissioner

By:   
Ryan Davidson, Commissioner

By:   
Kendra Kenyon, Commissioner

ATTEST:

  
Phil McGrane, Ada County Clerk

## RESOLUTION NO. 2392

BY THE ADA COUNTY HIGHWAY DISTRICT BOARD OF COMMISSIONERS:  
MARY MAY, ALEXIS PICKERING, JIM HANSEN, KENT GOLDTHORPE AND  
DAVE MCKINNEY.

A RESOLUTION PROVIDING FOR THE ADOPTION AND IMPLEMENTATION  
OF THE ADA COUNTY ALL HAZARDS MITIGATION PLAN.

WHEREAS, Ada County Highway District has jurisdiction and responsibility for all public highways and public rights-of-way within Ada County, Idaho, except state highways and interstate freeways; and

WHEREAS, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment and the County's economy; and pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

WHEREAS, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre and post disaster hazard mitigation programs; and

WHEREAS, a coalition of Ada County stakeholders with common planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partner's identified capabilities, within the Ada County Planning Area; and

WHEREAS, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating and revising this strategy; and

WHEREAS, adoption and implementation of Ada County All Hazards Mitigation Plan will ensure the Ada County Highway District's participation in, and management of, the implementation of the plans and it will also ensure that the Ada County Highway District is eligible for pre- and post-disaster funding under federal regulations set forth in 44 CFR § 201; and

WHEREAS, the Ada County Highway District is a "special purpose" district with its statutory duties and responsibilities set forth in Idaho Code §§ 40-1412, 40-1415, 40-1416 and 40-801 and in those instances where the Ada County Highway District is named as a "Planning Partner" in the Ada County All Hazards Mitigation Plan, the proposed actions and activities appear to be consistent and in accordance with ACHD's statutory authority as a "special purpose" district as well as its statutory duties and responsibilities; and



WHEREAS, it is in the best interest of the citizens of Ada County, Idaho, for the Ada County Highway District Board of Commissioners to adopt and implement the Ada County All Hazards Mitigation Plan.

NOW, THEREFORE, BE IT RESOLVED, that the Ada County Highway District Board of Commissioners does hereby adopt in its entirety Volume I, the Ada County Highway District annex of Volume II and the appendices of Volume II of the Ada County All Hazard Mitigation Plan (ACAHMP).

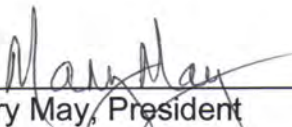
BE IT FURTHER RESOLVED, that the Ada County Highway District will use the adopted and approved portions of the ACAHMP to guide pre and post disaster mitigation of the hazards identified as well as coordinate the strategies identified in the ACAHMP with other planning programs and mechanisms under its jurisdictional authority.

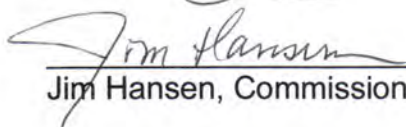
BE IT FURTHER RESOLVED, that the Ada County Highway District will continue its support of the Steering Committee and continue to participate in the Planning Partnership as described by the ACAHMP.

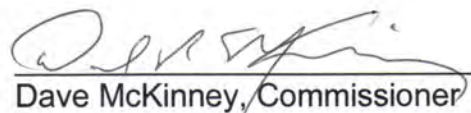
BE IT FURTHER RESOLVED, that this resolution shall be in full force and effect immediately upon its adoption and approval.

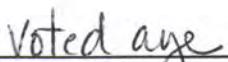
Adopted and approved by the Board of Commissioners of the Ada County Highway District on the 9<sup>th</sup> day of November, 2022.

BOARD OF HIGHWAY DISTRICT COMMISSIONERS OF  
ADA COUNTY, IDAHO:

  
\_\_\_\_\_  
Mary May, President

  
\_\_\_\_\_  
Jim Hansen, Commissioner

  
\_\_\_\_\_  
Dave McKinney, Commissioner

  
\_\_\_\_\_  
Alexis Pickering, Vice  
President

  
\_\_\_\_\_  
Kent Goldthorpe Commissioner



# The Independent School District of Boise City

8169 W. Victory Road  
Boise, Idaho, U.S.A. 83709

(208) 854-4000  
Fax (208) 854-4008

## Boise School District Policy 3350

### AUTHORIZING THE ADOPTION OF THE

### 2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN

**WHEREAS**, in accordance with Boise School District Policy 3350,; In the interest of the safety and security of District students, staff, and this community, the Board directs the Superintendent or designee to prepare emergency operations plans, and provide for the implementation of the plan. Any event which threatens the safety and security of students, staff, and visitors may be considered an emergency.

**NOW, THEREFORE, BE IT RESOLVED** that the Boise School District

- 1.) Adopts in its entirety, Volume I, the Boise School District annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 1.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post- disaster mitigation of the hazards identified.
- 2.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 3.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 4.) Will help to promote and support the mitigation successes of all Planning Partners.

Adopted on this 10/03/2022:

Coby Dennis

Boise School District

***"Educating Today For a Better Tomorrow"***

An Equal Opportunity Employer-Educator

## CITY OF BOISE

Resolution NO. RES-643-22

BY THE COUNCIL

BAGEANT, CLEGG, HALLYBURTON,  
SANCHEZ, WILLITS AND WOODINGS**A RESOLUTION ADOPTING ALL OF VOLUME 1 AND THE CITY'S PORTION OF VOLUME 2, INCLUDING APPENDICES, OF THE 2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN; AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, the City of Boise and all of Ada County faces exposure to natural hazards that increase risk to life, property and the local economy; and

**WHEREAS**, proactive mitigation of known hazards prior to a disaster or other catastrophic event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, the City of Boise previously adopted the 2016 Ada County Multi-Hazard Mitigation Plan; and

**WHEREAS**, the Disaster Mitigation Act of 2000 (Public Law 106-390) sets forth basic requirements for pre and post hazard mitigation programs and requires that participants evaluate and update local all hazard mitigation plans every five years; and

**WHEREAS**, the City of Boise participated with Ada County and other stakeholders with common planning objectives in a planning process along with public outreach to create consistent hazard mitigation strategies collectively entitled the 2022 Ada County Multi-Hazard Mitigation Plan; and

**WHEREAS**, a copy of the adopted portions of the 2022 Ada County Multi-Hazard Mitigation Plan will be kept on file with the City of Boise Planning and Development Services and be made available for public inspection.

**NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF BOISE CITY, IDAHO:**

**Section 1.** That the city of Boise City hereby adopts Volume 1, and the City's portion of Volume 2, including appendices, of the 2022 Ada County Multi-Hazard Mitigation Plan, which is incorporated herein by reference.

**Section 2.** That this Resolution shall be in full force and effect immediately upon its adoption and approval.

## CITY OF BOISE

ADOPTED by the Council of Boise City, Idaho, on November 1, 2022.

APPROVED by the Mayor of the Boise City, Idaho, on November 1, 2022.

APPROVED:

  
Lauren McLeah, Mayor



ATTEST:

  
Lynda Lowry, Ex-Officio City Clerk

## **RESOLUTION NO. 22-10**

### **A RESOLUTION OF THE EAGLE CITY COUNCIL, EAGLE, ADA COUNTY, IDAHO, AUTHORIZING THE ADOPTION OF THE 2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN**

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment, and the County's economy; and

**WHEREAS**, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

**WHEREAS**, a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and


**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy.

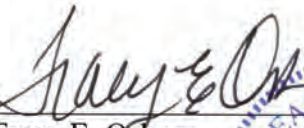
### **NOW, THEREFORE, BE IT RESOLVED THAT THE CITY COUNCIL OF THE CITY OF EAGLE, IDAHO:**


- 1.) Adopts in its entirety, Volume I, the City of Eagle annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 2.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post- disaster mitigation of the hazards identified.
- 3.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 4.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 5.) Will help to promote and support the mitigation successes of all Planning Partners.



PASSED AND ADOPTED by the Council of the City of Eagle, this the 13<sup>th</sup> day of December, 2022.

  
\_\_\_\_\_  
Jason Pierce  
Mayor, City of Eagle

ATTEST:   
Tracy E. Osborn  
City Clerk, City of Eagle



**RESOLUTION NO. R23-2023  
KUNA, IDAHO**

**A RESOLUTION OF THE CITY COUNCIL FOR KUNA, IDAHO AUTHORIZING THE ADOPTION OF THE 2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN; AND REPEALING KUNA CITY RESOLUTION NO. R05-2017.**

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment and the County's economy; and

**WHEREAS**; pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre and post disaster hazard mitigation programs; and

**WHEREAS**; a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partner's identified capabilities, within the Ada County Planning Area; and

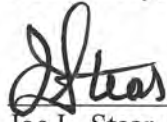
**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating and revising this strategy;

**NOW, THEREFORE, BE IT RESOLVED** that the City Council for the city of Kuna, Idaho:

- 1.) Adopts in its entirety, Volume I, the city of Kuna, Idaho annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 2.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post- disaster mitigation of the hazards identified.
- 3.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 4.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 5.) Will help to promote and support the mitigation successes of all Planning Partners.


PASSED and ADOPTED this 7<sup>th</sup> day of March 2023.

CITY OF KUNA  
Ada County, Idaho



Joe L. Stear, Mayor

ATTEST:

  
Chris Engels, City Clerk



**EAGLE FIRE PROTECTION DISTRICT  
ADA, BOISE & GEM COUNTIES, STATE OF IDAHO  
BOARD OF COMMISSIONERS**

**RESOLUTION No. 01-2023**

**A RESOLUTION OF THE BOARD OF FIRE PROTECTION DISTRICT  
COMMISSIONERS OF THE EAGLE FIRE PROTECTION DISTRICT, ADA, BOISE &  
GEM COUNTIES, IDAHO, APPROVING AND AUTHORIZING THE ADOPTION OF  
THE 2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN**

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment, and the County's economy; and

**WHEREAS**, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

**WHEREAS**, a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy.



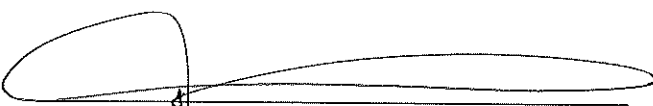
**NOW, THEREFORE, BE IT RESOLVED** that the Board of Commissioners


- 1.) Adopts in its entirety, Volume I, the Eagle Fire Protection District annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 1.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post- disaster mitigation of the hazards identified.
- 2.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 3.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 4.) Will help to promote and support the mitigation successes of all Planning Partners.

PASSED AND ADOPTED on this January 11, 2023 by the following vote:

AYES: *all ayes*  
NOES: *0*

ABSENT: *none*  
ABSTAIN: *none*

  
\_\_\_\_\_  
Brad Pike, Sr., Commissioner-Subdistrict No. 1  
\_\_\_\_\_  
Gary Stillwell, Commissioner-Subdistrict No. 2  
\_\_\_\_\_  
Josh Tanner, Chairman/ Commissioner-Subdistrict No. 3

ATTEST:   
\_\_\_\_\_  
Angi McBride, Administrative Manager

**RESOLUTION NO. 22-23**  
**A RESOLUTION OF EAGLE SEWER DISTRICT**  
**AUTHORIZING THE ADOPTION OF THE**  
**2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN**

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment, and the County's economy; and

**WHEREAS**, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and


**WHEREAS**, a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and


**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy.

**NOW, THEREFORE, BE IT RESOLVED** that the Eagle Sewer District:

- 1.) Adopts in its entirety, Volume I, the Eagle Sewer District annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 1.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post-disaster mitigation of the hazards identified.
- 2.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 3.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 4.) Will help to promote and support the mitigation successes of all Planning Partners.

PASSED AND ADOPTED on this October 17, 2022.

ATTEST:   
Neil Jenkins  
Board Secretary

  
Erv Ballou  
Board Chairman  
Eagle Sewer District

**RESOLUTION BOISE RIVER FLOOD CONTROL DISTRICT NO. 10**

**RESOLUTION NO. 01-2022**

BY THE BOARD OF COMMISSIONERS OF THE BOISE RIVER FLOOD CONTROL DISTRICT NO. 10:

A RESOLUTION OF THE BOARD OF COMMISSIONERS  
OF THE BOISE RIVER FLOOD CONTROL DISTRICT NO. 10,  
FOR THE PURPOSE OF ADOPTING THE ADA COUNTY ALL  
HAZARD MITIGATION PLAN 2021 UPDATE

**WHEREAS**, by order of the Director of the Idaho Department of Water Resources (formerly Idaho Department of Water Administration), Boise River Flood Control District No. 10 (FCD #10) was formed on October 13, 1970, as an entity comprised of approximately 25,000 acres of land located in Ada and Canyon Counties, Idaho, and,

**WHEREAS**, all of Ada and Canyon Counties have exposure to natural hazards that increase the risk to life, property, environment, and the Counties' economy; and,

**WHEREAS**, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and,

**WHEREAS**, the Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and,

**WHEREAS**, a coalition of Ada County stakeholders, including FCD #10, with common planning objectives, has been formed to pool resources and create consistent mitigation strategies to be implemented within each partner's identified capabilities, within the Ada County Planning Area and that portion of Canyon County within the ordered boundaries of FCD #10; and,

**WHEREAS**, the coalition has completed a planning process that engaged the public, assessed the risk and vulnerability to the impacts of natural hazards, developed a mitigation strategy consistent with a set of uniform goals and objectives, and created a plan for implementing, evaluating, and revising this strategy; and,

**NOW, THEREFORE, BE IT RESOLVED** the Board of Commissioners of FCD #10:

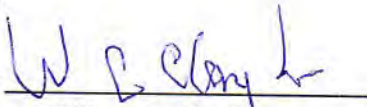
- 1.) adopts in the entirety, Volume I, the Flood Control District #10 annex of Volume II and the appendices of Volume II of the Ada County All Hazard Mitigation Plan (ACAHMP);

- 2.) will use the adopted and approved portions of the ACAHMP to guide pre- and post-disaster mitigation of the hazards identified;
- 3.) will coordinate the strategies identified in the ACAHMP with other planning programs and mechanisms under FCD #10 jurisdictional authority; and
- 4.) will continue supporting the Steering Committee and continue to participate in the Planning Partnership, as described by the ACAHMP.

**PASSED** by the FCD #10 Board of Commissioners, signed by the Chairman of the Board, and attested by the FCD #10 Manager, all on November 17, 2022.

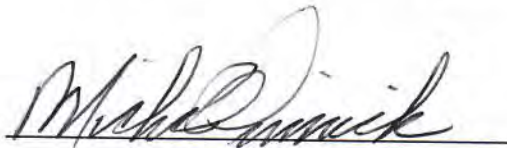
APPROVED:

Board Chair

  
William C. Clayton

ATTEST:

By District Manager

  
Michael P. Dimmick



## SPECIAL DISTRICT

**RESOLUTION NO. 2022.004**  
**A RESOLUTION OF GREATER BOISE AUDITORIUM DISTRICT**  
**AUTHORIZING THE ADOPTION OF THE**  
**2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN**

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment, and the County's economy; and

**WHEREAS**, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

**WHEREAS**, a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy.

**NOW, THEREFORE, BE IT RESOLVED** that the Greater Boise Auditorium District:


- 1.) Adopts in its entirety, Volume I, the Greater Boise Auditorium District annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 1.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post-disaster mitigation of the hazards identified.
- 2.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 3.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 4.) Will help to promote and support the mitigation successes of all Planning Partners.

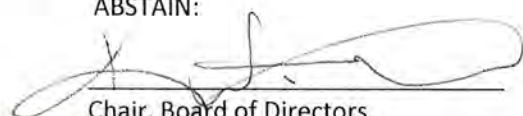
PASSED AND ADOPTED on this November 17<sup>th</sup>, 2022, by the following vote:

AYES:  
NOES:

ABSENT:  
ABSTAIN:

ATTEST:

  
Executive Director,  
Boise Centre

  
Chair, Board of Directors  
Greater Boise Auditorium District

**RESOLUTION NO. 1133-22**

**BY THE COUNCIL: HELLER, JACOBS, JORGENSEN, AND PAGE**

**A RESOLUTION OF THE GARDEN CITY COUNCIL ADOPTING THE 2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN INCLUDING THE GARDEN CITY ANNEX AND APPENDICES; AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS** all of Ada County has exposure to natural hazards that increase the risk to life, property, environment, and the County's economy; and

**WHEREAS** pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS** The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

**WHEREAS** a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

**WHEREAS** the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy.

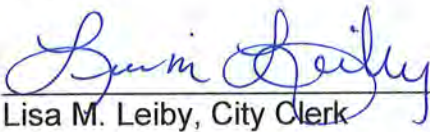
**NOW THEREFORE BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GARDEN CITY IDAHO, that**

1. That the 2016 Ada County Multi-Hazard Mitigation Plan adopted by resolution 1027-16 be repealed in its entirety.
2. That the 2022 Ada County Multi-Hazard Mitigation Plan, including Volume I, the Garden City annex of Volume II, and appendices, attached hereto, be adopted.
3. Garden City will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post- disaster mitigation of the hazards identified.
4. Garden City will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
5. Garden City will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.


6. Will help to promote and support the mitigation successes of all Planning Partners

**PASSED** by the Council and **APPROVED** by the Mayor of the City of Garden City, Idaho, and this **10<sup>th</sup> day of September 2022**.

ATTEST:

  
Lisa M. Leiby, City Clerk

APPROVED:

  
John G. Evans, Mayor





**CITY OF MERIDIAN**

**RESOLUTION NO. 22-2352**

**BY THE CITY COUNCIL:**

**BERNT, BORTON, CAVENER,  
HOAGLUN, PERRAULT, STRADER**

**A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF MERIDIAN ADOPTING VOLUME I, THE CITY OF MERIDIAN ANNEX, AND APPENDICES OF VOLUME II OF THE 2022 UPDATE OF THE ADA COUNTY MULTI-HAZARD MITIGATION PLAN; DIRECTING CITY STAFF TO IMPLEMENT THE STRATEGIES THEREIN AND TO CONTINUE REPRESENTING THE CITY OF MERIDIAN IN MATTERS RELATED TO THE PLAN, AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, natural hazards that increase the risk to life, property, environment, and the economy exist within the City of Meridian, as they do throughout Ada County; and

**WHEREAS**, proactive mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

**WHEREAS**, a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy; and

**WHEREAS**, the Mayor and City Council find that it is in the best interest of the people of Meridian to adopt and implement the 2022 updates to the applicable portions of the Ada County Multi-Hazard Mitigation Plan;

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MERIDIAN, IDAHO:**

**Section 1.** That the City of Meridian hereby adopts in its entirety Volume I, the City of Meridian annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.

**Section 2.** That the City of Meridian will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post- disaster mitigation of the hazards identified, coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority, continue its support of the on-going

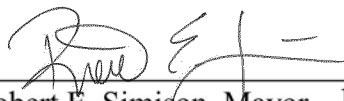
countywide mitigation efforts, continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan, and help to promote and support the mitigation successes of all Planning Partners.

**Section 3.** That this Resolution shall be in full force and effect immediately upon its adoption and approval.

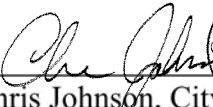

**ADOPTED** by the City Council of the City of Meridian, Idaho, this 1st day of November, 2022.

**APPROVED** by the Mayor of the City of Meridian, Idaho, this 1st day of November, 2022.

**APPROVED:**

  
\_\_\_\_\_  
Robert E. Simison, Mayor 11-1-2022

**ATTEST:**

By:    
Chris Johnson, City Clerk 11-1-2022

**RESOLUTION NO. 66**  
A RESOLUTION OF NORTH ADA COUNTY FIRE & RESCUE DISTRICT  
AUTHORIZING THE ADOPTION OF THE  
2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment, and the County's economy; and

**WHEREAS**, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

**WHEREAS**, a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy.

**NOW, THEREFORE, BE IT RESOLVED** that the NORTH ADA COUNTY FIRE & RESCUE DISTRICT:

- 1.) Adopts in its entirety, Volume I, the North Ada County Fire & Rescue District annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 1.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post-disaster mitigation of the hazards identified.
- 2.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 3.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 4.) Will help to promote and support the mitigation successes of all Planning Partners.

Resolution #66 – North Ada County Fire & Rescue District  
Authorizing The Adoption Of The 2022 Ada County Multi-Hazard Mitigation Plan

PASSED AND ADOPTED on this 30<sup>th</sup> Day of September, 2022.



\_\_\_\_\_  
Jeff Ramey, Commissioner/Chairman



\_\_\_\_\_  
Jeff Souza, Commissioner



\_\_\_\_\_  
Todd Bunderson, Commissioner



ATTEST: \_\_\_\_\_  
Shelley Vaughan  
Secretary for the District

**RESOLUTION NO. 2022-2**  
**A RESOLUTION OF STAR SEWER & WATER DISTRICT**  
**AUTHORIZING THE ADOPTION OF THE**  
**2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN**

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment, and the County's economy; and

**WHEREAS**, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

**WHEREAS**, a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy.

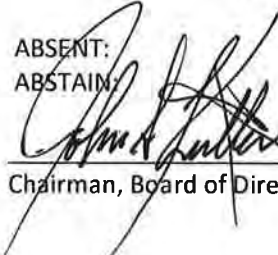
**NOW, THEREFORE, BE IT RESOLVED** that the Star Sewer & Water District Board

- 1.) Adopts in its entirety, Volume I, the Star Sewer & Water District Board annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 1.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post-disaster mitigation of the hazards identified.
- 2.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 3.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 4.) Will help to promote and support the mitigation successes of all Planning Partners.

PASSED AND ADOPTED on this 21<sup>st</sup> day of October, 2022 by the following vote:

AYES: 4  
NOES: 0

ABSENT:  
ABSTAIN:

  
Chairman, Board of Directors

ATTEST:

  
Board Member



**State of Idaho  
Department of Environmental Quality**

**AUTHORIZING RESOLUTION 2022-3  
Attachment SRF-03**

**A RESOLUTION OF THE BOARD OF THE STAR SEWER & WATER DISTRICT AUTHORIZING THE PUBLIC WORKS DIRECTOR TO SIGN ALL APPLICATIONS, FUNDING AGREEMENTS, AND OTHER DOCUMENTS RELATING TO DRINKING WATER AND WASTEWATER PROJECT (PROJECT).**

**WHEREAS**, the District intends to develop a Project for Drinking Water and Wastewater facilities for the District drinking water and wastewater system, such Project being necessary to determine the needs of the area for health, safety, and wellbeing of the people; and

**WHEREAS**, the Project is to be developed in accordance with the requirements in Idaho "Rules for Administration of Planning Grants for Drinking Water and Wastewater Facilities" (IDAPA 58.01.22), "Rules for Administration of Wastewater and Drinking Water Loan Funds" (IDAPA 58.01.12) and will set forth drinking water and wastewater facilities required to be constructed to serve the needs of the area; and

**WHEREAS**, the costs of the Project of the drinking water and wastewater facilities are eligible for state funding;

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Star Sewer & Water District, Idaho, that the Public Works Director is/are duly authorized to sign applications, grant agreements and amendments, and other documents relating to drinking water and wastewater Projects.

Passed and adopted by the Board of the Star Sewer & Water District on the 21 day of October, 2022.

By the following votes:

**AYES:** 4                      **NAYS:** 0

**ATTESTED BY:**

  
\_\_\_\_\_  
Board Member

  
\_\_\_\_\_  
Chairman



**RESOLUTION NO. 2023-01**

**STAR FIRE PROTECTION DISTRICT  
RESOLUTION ADOPTING THE 2022 UPDATE OF THE  
ADA COUNTY MULTI-HAZARD MITIGATION PLAN**

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment and the County's economy; and

**WHEREAS**; pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre and post disaster hazard mitigation programs; and

**WHEREAS**; a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating and revising this strategy;

**BE IT THEREFORE RESOLVED**, the Board of Star Fire Protection District does hereby support and

- 1.) Adopt in its entirety, Volume I, the Star Fire District annex of Volume II and the appendices of Volume II of the 2022 Ada County Multi- Hazard Mitigation Plan (ACMHMP).
- 2.) Will use the adopted and approved portions of the ACMHMP to guide pre and post disaster mitigation of the hazards identified.
- 3.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 4.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 5.) Will help to promote and support the mitigation successes of all Planning Partners.

**APPROVED AND ADOPTED** this 13<sup>th</sup> day of April, 2023.

**STAR FIRE PROTECTION DISTRICT**



Jared Moyle, Chairman



Steve Martin, Commissioner



Tim Murray, Commissioner

ATTEST:

  
Robin Ward, Recording Secretary

## RESOLUTION 007-2022

### A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF STAR AUTHORIZING THE ADOPTION OF THE 2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment, and the County's economy; and

**WHEREAS**, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

**WHEREAS**, a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy.

**NOW, THEREFORE, BE IT RESOLVED** that the **CITY OF STAR**:

- 1.) Adopts in its entirety, Volume I, the **CITY OF STAR** annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 2.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post- disaster mitigation of the hazards identified.
- 3.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 4.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 5.) Will help to promote and support the mitigation successes of all Planning Partners.

PASSED AND ADOPTED on this 2nd day of November 2022 by the following vote:

**AYES: 4**

**NAYES: 0**

**ABSENT: 0**

**ABSTAIN: 0**

  
Trevor A. Chadwick, Mayor, City of Star

  
ATTEST: Jacob M. Qualls, City Clerk-Treasurer, City of Star



Ada County Multi-Hazard Mitigation Plan Adoption



**RESOLUTION NO. 01-23**  
**RESOLUTION OF THE WHITNEY FIRE DISTRICT**  
**AUTHORIZING THE ADOPTION OF THE**  
**2022 ADA COUNTY MULTI-HAZARD MITIGATION PLAN**

**WHEREAS**, all of Ada County has exposure to natural hazards that increase the risk to life, property, environment, and the County's economy; and

**WHEREAS**, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

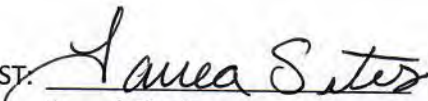
**WHEREAS**, a coalition of Ada County stakeholders with like planning objectives has been formed to pool resources and create consistent mitigation strategies to be implemented within each partners identified capabilities, within the Ada County Planning Area; and

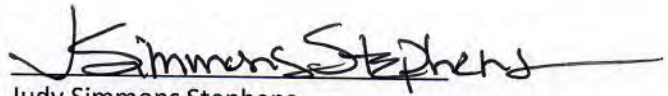
**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating, and revising this strategy.

**NOW, THEREFORE, BE IT RESOLVED** that the Whitney Fire District;

- 1.) Adopts in its entirety, Volume I, the Whitney Fire District annex, and appendices of Volume II of the 2022 Ada County Multi-Hazard Mitigation Plan.
- 1.) Will use the adopted and approved portions of the Hazard Mitigation Plan to guide pre- and post-disaster mitigation of the hazards identified.
- 2.) Will coordinate the strategies identified in the Hazard Mitigation Plan with other planning programs and mechanisms under its jurisdictional authority.
- 3.) Will continue its support of the on-going countywide mitigation efforts and continue to participate in the Planning Partnership as described by the Hazard Mitigation Plan.
- 4.) Will help to promote and support the mitigation successes of all Planning Partners.

PASSED AND ADOPTED on this 17<sup>th</sup> day of January 2023.

ATTEST.   
Board Clerk

  
Judy Simmons Stephens  
President, Board of Commissioners  
Whitney Fire District



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**2022 Ada County Multi-Hazard Mitigation Plan**

## **Appendix H. Progress Report Template**

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## H. PROGRESS REPORT TEMPLATE

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### 2022 Ada County Multi-Hazard Mitigation Plan Annual Progress Report

**Reporting Period:** *(Insert reporting period)*

**Background:** Ada County and participating cities and special purpose districts in the county developed a hazard mitigation plan to reduce risk from all hazards by identifying resources, information, and strategies for risk reduction. The federal Disaster Mitigation Act of 2000 requires state and local governments to develop hazard mitigation plans as a condition for federal disaster grant assistance. To prepare the plan, the participating partners organized resources, assessed risks from natural hazards within the county, developed planning goals and objectives, reviewed mitigation alternatives, and developed an action plan to address probable impacts from natural hazards. By completing this process, these jurisdictions maintained compliance with the Disaster Mitigation Act, achieving eligibility for mitigation grant funding opportunities afforded under the Robert T. Stafford Act. The plan can be viewed on-line at:

<https://adacounty.id.gov/accem>

**Summary Overview of the Plan's Progress:** The performance period for the 2022 Ada County Multi-Hazard Mitigation Plan became effective in **Month Year** with the final approval of the plan by FEMA. The initial performance period for this plan will be 5 years, with an anticipated update to the plan to occur before **August 2027**. As of this reporting period, the performance period for this plan is considered to be **%** complete. The hazard mitigation plan has targeted **hazard mitigation actions** to be pursued during the 5-year performance period. As of the reporting period, the following overall progress can be reported:

- \_\_\_ out of \_\_\_ actions (\_\_\_%) reported ongoing action toward completion.
- \_\_\_ out of \_\_\_ actions (\_\_\_%) were reported as being complete.
- \_\_\_ out of \_\_\_ actions (\_\_\_%) reported no action taken.

**Purpose:** The purpose of this report is to provide an annual update on the implementation of the action plan identified in the 2017 Ada County Multi-Hazard Mitigation Plan. The objective is to ensure that there is a continuing and responsive planning process that will keep the hazard mitigation plan dynamic and responsive to the needs and capabilities of the partner jurisdictions. This report discusses the following:

- Natural hazard events that have occurred within the last year
- Changes in risk exposure within the planning area
- Mitigation success stories

- Review of the action plan
- Changes in capabilities that could impact plan implementation
- Recommendations for changes/enhancement.

**The Multi-Hazard Mitigation Plan Steering Committee:** The Multi-Hazard Mitigation Plan Steering Committee, made up of planning partners and stakeholders within the planning area, reviewed and approved this progress report at its annual meeting held on           , 201<sup>\_\_</sup>. It was determined through the plan’s development process that a steering committee would remain in service to oversee maintenance of the plan. At a minimum, the Steering Committee will provide technical review and oversight on the development of the annual progress report. It is anticipated that there will be turnover in the membership annually, which will be documented in the progress reports. For this reporting period, the Steering Committee membership is as indicated in Table 1.

| Table 1. Steering Committee Members |       |                     |
|-------------------------------------|-------|---------------------|
| Name                                | Title | Jurisdiction/Agency |
|                                     |       |                     |
|                                     |       |                     |
|                                     |       |                     |
|                                     |       |                     |
|                                     |       |                     |
|                                     |       |                     |
|                                     |       |                     |
|                                     |       |                     |
|                                     |       |                     |

**Natural Hazard Events within the Planning Area:** During the reporting period, there were \_\_ natural hazard events in the planning area that had a measurable impact on people or property. A summary of these events is as follows:

- \_\_\_\_\_
- \_\_\_\_\_

**Changes in Risk Exposure in the Planning Area:** *(Insert brief overview of any natural hazard event in the planning area that changed the probability of occurrence or ranking of risk for the hazards addressed in the hazard mitigation plan)*

**Mitigation Success Stories:** *(Insert brief overview of mitigation accomplishments during the reporting period)*

**Review of the Action Plan:** Table 2 reviews the action plan, reporting the status of each action. Reviewers of this report should refer to the hazard mitigation plan for more detailed descriptions of each action and the prioritization process.

Address the following in the “status” column of the following table:

- *Was any element of the action carried out during the reporting period?*
- If no action was completed, why?
- Is the timeline for implementation for the action still appropriate?
- If the action was completed, does it need to be changed or removed from the action plan?

**Table 2.** Action Plan Matrix

| Action Taken?<br>(Yes or No) | Time Line | Priority | Status        | Status (X,<br>O,✓) |
|------------------------------|-----------|----------|---------------|--------------------|
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |
| Action # __ —                |           |          | [description] |                    |

Completion status legend:

✓ = Project Completed

O = Action ongoing toward completion

X = No progress at this time

**Changes That May Impact Implementation of the Plan:** *(Insert brief overview of any significant changes in the planning area that would have a profound impact on the implementation of the plan. Specify any changes in technical, regulatory and financial capabilities identified during the plan's development)*

**Recommendations for Changes or Enhancements:** Based on the review of this report by the Multi-Hazard Mitigation Plan Steering Committee, the following recommendations will be noted for future updates or revisions to the plan:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Public review notice:** *The contents of this report are considered to be public knowledge and have been prepared for total public disclosure. Copies of the report have been provided to the governing boards of all planning partners and linked on social media outlets and the report is posted on the Ada County Multi-Hazard Mitigation Plan website. Any questions or comments regarding the contents of this report should be directed to:*

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Ada County Emergency Management & Community Resilience  
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(208) 577-4750 office  
Email: pmarusich@adaweb.net