

**APPENDIX D - LOCAL MITIGATION STRATEGY  
SURVEY AND COMMUNITY SUMMARIES**

2015 Pre-Disaster Mitigation Plan – Community Survey

**\*PLEASE COMPLETE AND RETURN TO BRAG BY FRIDAY, MARCH 27, 2015**

**Mail:** Attn: Zac Covington, 170 N. Main, Logan UT 84321

**Email:** [zacc@brag.utah.gov](mailto:zacc@brag.utah.gov)

**Fax:** (435)752-6962

(PLEASE CONTACT ZAC COVINGTON FOR HELP OR WITH QUESTIONS AT 435.713.1423 OR [zacc@brag.utah.gov](mailto:zacc@brag.utah.gov))

Jurisdiction Name: \_\_\_\_\_

Completed by: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

**RISK ASSESSMENT SECTION**

1. Does your community participate in the National Flood Insurance Program (NFIP)?  
Yes: \_\_\_ No: \_\_\_ I don't know: \_\_\_
2. What existing or potential natural hazards threaten your community? (ex. drought, earthquake, flooding, landslide, wildfire, dam failure, soil, etc.). Note: You will be asked to elaborate on these further in the Mitigation Strategies Section of this survey.
3. Have there been natural hazard events in your community since November of 2009? If so, please list the event(s), the severity of the event(s) (damage or intensity), and the date (if known):
4. Do you have any maps, documents, or plans related to natural hazards for your community? Please describe:
5. Does your city/town currently have zoning or ordinances that address natural hazards and/or regulate construction in potentially hazardous areas?  
Yes: \_\_\_ No: \_\_\_ I don't know: \_\_\_ If yes, please describe:

6. Are you aware of future residential or commercial developments that could be affected by natural hazards? If so, please describe:

**MITIGATION STRATEGIES SECTION**

7. BRAG staff, with the assistance of County working groups, has been analyzing potential risks from natural hazards to your community. **THE FOLLOWING NATURAL HAZARDS HAVE BEEN IDENTIFIED AS A POTENTIAL RISK TO YOUR COMMUNITY (SEE CHECKED HAZARDS).** Please check any other hazards you are aware of in your community.

***Natural Hazards identified:***

- 1  ■ FLOOD
- 2  ■ EARTHQUAKE
- 2a  ○ FAULTS
- 2b  ○ LIQUEFACTION
- 3  ■ WILDFIRE
- 4  ■ LANDSLIDES
- 5  ■ DAM FAILURE
- 6  ■ PROBLEM SOILS
- 7  ■ DROUGHT(all jurisdictions, optional)
- 8  ■ SEVERE WEATHER (all jurisdictions, optional)
- 9  ■ AVALANCHE
- 10  ■ TORNADO
- 11  ■ TSUNAMI
- 12  ■ VOLCANIC
- 13  ■ RADON
- 14  ■ STEEP SLOPES

8. \*Enclosed in this packet is a chart showing mitigation strategies for jurisdictions in your county from the 2009 Pre-Disaster Mitigation Plan. Please provide comments below regarding which strategies were implemented, those that were not implemented, and a brief explanation if they were not. You may also write comments/notes on the chart and mail it to BRAG with this survey.

**\*SURVEY  
SUMMARY  
CODES**

2015 Pre-Disaster Mitigation Plan – Community Survey

9. Below are blank mitigation strategy charts for you to fill in for each of the hazards highlighted above. Please enter the hazard in the first column, and fill in each of the following columns related to that hazard. **Each community must include a goal for protecting existing residents and property, and a goal for protecting future residents and property from the hazard.** If your community participates in the National Flood Insurance Program (NFIP), you must also include a separate action related to NFIP compliance for flood hazards. Also included in this packet is a copy of the document, “Mitigation Ideas,” written by the Federal Emergency Management Agency (FEMA) to assist you in creating mitigation strategies. Below is an example for your reference:

|  |   |
|--|---|
| <b>HAZARD: <u>Wildfire</u></b>                               |   |
| <b>GOAL 1: PROTECT <u>CURRENT</u> RESIDENTS AND PROPERTY</b> |   |
| <b>Action</b>  | <i>Update city ordinances to require defensive space and fire resistant vegetation surrounding homes located in wildland/urban interface.</i> |
| <b>Action (For NFIP Compliance, if Applicable)</b>           | <i>N/A</i>  |
| <b>Priority (High, Medium, or Low)</b>                       | <i>High</i>   |
| <b>Timeframe (Year)</b>                                      | <i>2016</i>   |
| <b>Potential Funding Sources</b>                             | <i>City, Utah Dept. of Public Safety/FEMA</i>   |
| <b>Estimated Cost</b>  | <i>\$2,000</i>  |
| <b>Resources</b>   | <i>Utah FFSL, County</i>  |
| <b>GOAL 2: PROTECT <u>FUTURE</u> RESIDENTS AND PROPERTY</b>  |   |
| <b>Action</b>  | <i>Update city ordinances to require sprinklers in all new homes located in the wildland/urban interface.</i>                                 |
| <b>Action (For NFIP Compliance, if Applicable)</b>           | <i>N/A</i>  |
| <b>Priority (High, Medium, or Low)</b>                       | <i>High</i>   |
| <b>Timeframe (Year)</b>                                      | <i>2016</i>   |
| <b>Potential Funding Sources</b>                             | <i>City, Utah Dept. of Public Safety/FEMA</i>   |
| <b>Estimated Cost</b>  | <i>\$1,500</i>  |
| <b>Resources</b>   | <i>Utah FFSL, County</i>  |

|  |  |
|--|--|
| <b>HAZARD: _____</b>   |  |
| <b>GOAL 1: PROTECT <u>CURRENT</u> RESIDENTS AND PROPERTY</b> |  |
| <b>Action</b>  |  |
| <b>Action (For NFIP Compliance, if Applicable)</b>           |  |
| <b>Priority (High, Medium, or Low)</b>                       |  |

**\*SEE PAGE 2 OF SURVEY FOR QUESTION 7 SURVEY SUMMARY CODES**

| <b>BEAR RIVER CITY MITIGATION SURVEY SUMMARY</b> |  |
|--|--|
| <b>Jurisdiction</b>                              | Bear River City  |
| <b>Completed by</b>                              | Carol Andreasen  |
| <b>Address</b>                                   | po box 160, Bear River City, UT 84301  |
| <b>Phone</b>                                     | 435-279-9047   |
| <b>Email</b>                                     | <a href="mailto:bearrivercity@frontiernet.net">bearrivercity@frontiernet.net</a>   |
| <b>Q1</b>  | Y  |
| <b>Q2</b>  | Earthquake, drought, wildfire, flooding  |
| <b>Q3</b>  | No   |
| <b>Q4</b>  | Box elder county hazard mapping (critical facilities, flood zone, wildfire, landslide, faults, liquefaction, and Pre Disaster mitigation plan of Bear river region |
| <b>Q5</b>  | Yes- zoning regulations for sensitive lands  |
| <b>Q6</b>  | No   |
| <b>Q7</b>  | 1,2,2b,3,4,5,  |
| <b>Q8</b>  | They are unaware of any strategies completed   |

| <b>BOX ELDER COUNTY MITIGATION SURVEY SUMMARY</b> |   |
|---|---|
| <b>Jurisdiction</b>                               | Box Elder County  |
| <b>Completed by</b>                               | Kevin Potter and Marsha Andersen  |
| <b>Address</b>                                    | PO Box 888 Brigham City, UT 84302   |
| <b>Phone</b>                                      | (Marsha) 435-734-3823 (Kevin) 435-734-3814  |
| <b>Email</b>                                      | <a href="mailto:mkandersen@boxeldercounty.org">mkandersen@boxeldercounty.org</a> , <a href="mailto:kbpotter@boxeldercounty.org">kbpotter@boxeldercounty.org</a> |
| <b>Q1</b>   | Yes   |
| <b>Q2</b>   | Drought, earthquake, flooding, landslide, wildfire, dam failure, soil.  |
| <b>Q3</b>   | No  |
| <b>Q4</b>   | Emergency Operations Plan, and BRAG Pre Mitigation Disaster Plan, PacifiCorp EAP  |
| <b>Q5</b>   | Yes   |
| <b>Q6</b>   | One development has been allowed next to the Bear River and there is concern that there will be more.   |
| <b>Q7</b>   | 1,2,2a,2b,3,4,5,6,7,8,9,13,14   |
| <b>Q8</b>   |   |

| BRIGHAM CITY MITIGATION SURVEY SUMMARY |   |
|--|---|
| <b>Jurisdiction</b>                    | Brigham City  |
| <b>Completed by</b>                    | Derek Oyler   |
| <b>Address</b>                         | PO Box 1005   |
| <b>Phone</b>                           | 435-226-1404  |
| <b>Email</b>                           | <a href="mailto:doyler@brighamcity.utah.gov">doyler@brighamcity.utah.gov</a>  |
| <b>Q1</b>                              | Yes   |
| <b>Q2</b>                              | Drought, earthquakes, flooding, landslides, wildfires, Mantua dam failure, liquefaction, slope, and also soil erosion.  |
| <b>Q3</b>                              | Box Elder Creek flood in spring of 2011. Damaged homes and infrastructure occurred. A small rock slide in Mantua- fall 2014 damaged penstock line and caused an accident on roadway.  |
| <b>Q4</b>                              | Brigham City has adopted a new FEMA flood map in 2009 for the box elder creek areas. Brigham City does have a flood mapping for the box elder creek. We also have flood mapping for Mantua dam failure. Brigham City does have a penstock line failure inundation map. Brigham City has a cutler dam failure inundation map. Brigham City has an active emergency operations plan for all types of hazards. Geological surveys have been completed at flat bottom canyon and the 2nd 5 million gallon water tank.   |
| <b>Q5</b>                              | Yes   |
| <b>Q6</b>                              | Yes, valley floors have liquefaction hazards. Brigham City has future development areas in wild land interface areas as well as steep slopes.   |
| <b>Q7</b>                              | 1,2,2a,2b,3,4,5,6,7,8,9,13,14   |
| <b>Q8</b>                              | Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level. Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps. Wildfire Defense Program. Perform seismic upgrades to existing Brigham City Library to meet current building codes. Protect 36" Penstock water line coming from Mantua to Brigham City by burying it. Trim trees to keep limbs clear of electrical power system. Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities. For non-NFIP communities, talk with Utah ESHS about the benefits of NFIP. |

| <b>ELWOOD TOWN MITIGATION SURVEY SUMMARY</b> |   |
|--|---|
| <b>Jurisdiction</b>                          | Elwood Town                               |
| <b>Completed by</b>                          | Keenen Nelson and Jon Howard              |
| <b>Address</b>                               | 5235 W 8800 N                             |
| <b>Phone</b>                                 | 435-257-5518                              |
| <b>Email</b>                                 | jhoward @elwoodtown.com                   |
| <b>Q1</b>                                    | N   |
| <b>Q2</b>                                    | earthquake, wildfire, flooding, landslide |
| <b>Q3</b>                                    | flooding of the sewer around 2010         |
| <b>Q4</b>                                    | N   |
| <b>Q5</b>                                    | They are not sure                         |
| <b>Q6</b>                                    | N   |
| <b>Q7</b>                                    | 1,2,2b,3,4,5                              |
| <b>Q8</b>                                    | Left Blank                                |

| <b>PORTAGE TOWN MITIGATION SURVEY SUMMARY</b> |  |
|---|--|
| <b>Jurisdiction</b>                           | Portage  |
| <b>Completed by</b>                           | Tom Davis  |
| <b>Address</b>                                | PO box 4, Portage UT 84331   |
| <b>Phone</b>                                  | 435-279-3119   |
| <b>Email</b>                                  | <a href="mailto:tomdozer@hotmail.com">tomdozer@hotmail.com</a>   |
| <b>Q1</b>                                     | N  |
| <b>Q2</b>                                     | See list   |
| <b>Q3</b>                                     | In 2013 wildfire in west mountain (state Fire). On 8800 W in town, Rose Lane (2011). Wind storms of 2013 -14 blew lots of shingles off homes.                                |
| <b>Q4</b>                                     | No   |
| <b>Q5</b>                                     | Y- currently updating General plan-  |
| <b>Q6</b>                                     | South of town, future homes are being built in a canyon. Slope, Wildfire, and possible flooding of a riparian region at the bottom of the canyon could happen in the future. |
| <b>Q7</b>                                     | 1,2,2a,2b,3,7,8,13,14,   |
| <b>Q8</b>                                     |  |

| <b>HONEYVILLE CITY MITIGATION SURVEY SUMMARY</b> |  |
|--|--|
| <b>Jurisdiction</b>                              | Honeyville City  |
| <b>Completed by</b>                              | David Forsgren, Mayor  |
| <b>Address</b>                                   | 5990 No. Hwy 38  |
| <b>Phone</b>                                     | 435-279-4485   |
| <b>Email</b>                                     | <a href="mailto:dlforsgren@hotmail.com">dlforsgren@hotmail.com</a>   |
| <b>Q1</b>  | Y  |
| <b>Q2</b>  | Earthquake,Faults,Drought,Dam Failure, Landslides,Steep Slopes, Liquefaction, Wildfires.                                   |
| <b>Q3</b>  | N  |
| <b>Q4</b>  | N  |
| <b>Q5</b>  | NO- but they do have drawings and studies showing known underground faults, so we can caution developers of those dangers. |
| <b>Q6</b>  | N  |
| <b>Q7</b>  | 1,2,2a,2b,4,5,14   |
| <b>Q8</b>  | Left Blank   |

| <b>HOWELL TOWN MITIGATION SURVEY SUMMARY</b> |                               |
|--|-------------------------------|
| <b>Jurisdiction</b>                          | Howell Town                   |
| <b>Completed by</b>                          | Brag Staff                    |
| <b>Address</b>                               | P.O. Box 45 Howell, UT, 84316 |
| <b>Phone</b>                                 | 435-471-2378                  |
| <b>Email</b>                                 |                               |
| <b>Q1</b>                                    |                               |
| <b>Q2</b>                                    |                               |
| <b>Q3</b>                                    |                               |
| <b>Q4</b>                                    |                               |
| <b>Q5</b>                                    |                               |
| <b>Q6</b>                                    |                               |
| <b>Q7</b>                                    | 3,5,14                        |
| <b>Q8</b>                                    |                               |



| <b>PERRY CITY MITIGATION SURVEY SUMMARY</b> |  |
|---|--|
| <b>Jurisdiction</b>                         | Perry City   |
| <b>Completed by</b>                         | Greg Westfall  |
| <b>Address</b>                              | 80 W 50 S  |
| <b>Phone</b>                                | 435-723-6461   |
| <b>Email</b>                                | <a href="mailto:greg.westfall@perrycity.org">greg.westfall@perrycity.org</a>                 |
| <b>Q1</b>                                   | Yes  |
| <b>Q2</b>                                   | Flood, Earthquake, wildfire, landslides, dam failure, drought, severe weather, steep slopes. |
| <b>Q3</b>                                   |  |
| <b>Q4</b>                                   | Yes, FEMA flood control maps   |
| <b>Q5</b>                                   | Yes, hillside protection ordinance   |
| <b>Q6</b>                                   | Yes, most of the new development is on the east bench on a hillside.                         |
| <b>Q7</b>                                   | 1,2,2a,2b,3,4,5,7,8,14   |
| <b>Q8</b>                                   |  |

| <b>PLYMOUTH TOWN MITIGATION SURVEY SUMMARY</b> |   |
|--|---|
| <b>Jurisdiction</b>                            | Plymouth Town   |
| <b>Completed by</b>                            | Sharon B Hess/ Secretary  |
| <b>Address</b>                                 | 20120 N 5200 W/ PO box 130  |
| <b>Phone</b>                                   | 435-239-7278  |
| <b>Email</b>                                   | <a href="mailto:plytown@digis.net">plytown@digis.net</a>  |
| <b>Q1</b>                                      | No  |
| <b>Q2</b>                                      | Flood, Earthquake, Wildfires, Landslides, Steep slope and dam failure. We however are not aware of any potential dam failing hazards in our community.  |
| <b>Q3</b>                                      | No  |
| <b>Q4</b>                                      | No  |
| <b>Q5</b>                                      | Yes- natural klater klays. Those areas varying in width along streams, creeks, gully, springs, or washes which are natural drainage channels, as determined by the building inspector and in which areas no buildings shall be constructed. |
| <b>Q6</b>                                      | No  |
| <b>Q7</b>                                      | 1,2,2a,2b,3,4,5,14  |
| <b>Q8</b>                                      | This was not done. Our past mayor could not remember why.   |

| SNOWVILLE TOWN MITIGATION SURVEY SUMMARY |  |
|--|--|
| <b>Jurisdiction</b>                      | Snowville Town   |
| <b>Completed by</b>                      | Tammie Morgan  |
| <b>Address</b>                           | 20 West Main Snowville, UT 84336   |
| <b>Phone</b>                             | 435-872-8501   |
| <b>Email</b>                             | <a href="mailto:snowvilletown@frontiernet.net">snowvilletown@frontiernet.net</a>   |
| <b>Q1</b>                                | N  |
| <b>Q2</b>                                | Wildfire, drought, strong winds, dam failure, earthquake   |
| <b>Q3</b>                                | None   |
| <b>Q4</b>                                | No   |
| <b>Q5</b>                                | No   |
| <b>Q6</b>                                | No   |
| <b>Q7</b>                                | 2,3,5,7,8,13   |
| <b>Q8</b>                                | Left Blank   |
| TREMONTON CITY MITIGATION SURVEY SUMMARY |  |
| <b>Jurisdiction</b>                      | Tremonton City   |
| <b>Completed by</b>                      | Jim Hess   |
| <b>Address</b>                           | 102 S Tremont St   |
| <b>Phone</b>                             | 435-452-1070   |
| <b>Email</b>                             | <a href="mailto:jhess@tremontoncity.com">jhess@tremontoncity.com</a>   |
| <b>Q1</b>                                | Yes  |
| <b>Q2</b>                                | Drought, earthquake, flooding, wildfire, dam failure   |
| <b>Q3</b>                                | High winds, medium severity, minimal damage on several occurrences.  |
| <b>Q4</b>                                | Wildfire WUI designation and fire break map. CWPP Wildfire plan for northeast Tremonton. NFIP flood plane map. Ordinance 11-04 flood damage prevention overlay zoning district adopt NFIP. Zoning Ordinances Chapter 1.11 and 1.12 Sensitive Area Zone establishment and NFIP ordinance.   |
| <b>Q5</b>                                | Yes  |
| <b>Q6</b>                                | Earthquake is a potential hazard for the entire community. Building along the malad river floodplain. Continued development in the northwest area of town for wildfires.   |
| <b>Q7</b>                                | 1,2,2b,3.5,7,8,14  |
| <b>Q8</b>                                | Wildfire protection: Coop Wildfire Plan (CWPP) was established Feb 28, 2013 involving residents of Tremonton, Garland, and Box Elder County (unincorporated). Resulting from this agreement and in cooperation with FFSL, US Dept. of Agriculture, Box Elder County, Tremonton, and Garland Fire Departments, a fire break was created above affected homes to protect both residential areas and grazing land. Matching funds included equipment and labor costs by the fire departments, county roads and sheriff's dept. donated seeds from US Dept. of Agriculture and preparedness measures from residents. |

| WILLARD CITY MITIGATION SURVEY SUMMARY |   |
|--|---|
| <b>Jurisdiction</b>                    | Willard City  |
| <b>Completed by</b>                    | Bryce Wheelwright   |
| <b>Address</b>                         | 80 W 50 S   |
| <b>Phone</b>                           | 435-734-9881  |
| <b>Email</b>                           | <a href="mailto:willardcity@comcast.net">willardcity@comcast.net</a>  |
| <b>Q1</b>                              | We have their risk assessment section already   |
| <b>Q2</b>                              |   |
| <b>Q3</b>                              |   |
| <b>Q4</b>                              |   |
| <b>Q5</b>                              |   |
| <b>Q6</b>                              | Yes- there are two planned developments. 150 units on the east side of hwy 89 and 200+ on the west side of hwy 89 at about 600 South and possible annexation of South Willard into Willard City |
| <b>Q7</b>                              | 1,2,2a,2b,3,4,7,8,14  |
| <b>Q8</b>                              | Left Blank  |

| MANTUA TOWN MITIGATION SURVEY SUMMARY |  |
|---------------------------------------|--|
| <b>Jurisdiction</b>                   | Mantua Town  |
| <b>Completed by</b>                   | Kim Birch  |
| <b>Address</b>                        | 207 West 600 North Mantua, UT                            |
| <b>Phone</b>                          | 435-720-1248   |
| <b>Email</b>                          | <a href="mailto:kimbirch@live.com">kimbirch@live.com</a> |
| <b>Q1</b>                             | Y  |
| <b>Q2</b>                             | Earthquake, flooding, landslide, wildfire, dam failure   |
| <b>Q3</b>                             | No   |
| <b>Q4</b>                             | No   |
| <b>Q5</b>                             | No   |
| <b>Q6</b>                             | No   |
| <b>Q7</b>                             | 1,2,3,4,5  |
| <b>Q8</b>                             | Left Blank   |

| CACHE COUNTY MITIGATION SURVEY SUMMARY |  |
|--|--|
| <b>Jurisdiction</b>                    | Cache County   |
| <b>Completed by</b>                    | Rick Williams  |
| <b>Address</b>                         | 1225 West 200 North Logan, Utah 84321                                      |
| <b>Phone</b>                           | 435-755-1059   |
| <b>Email</b>                           | <a href="mailto:rwilliams@cachesheriff.com">rwilliams@cachesheriff.com</a> |
| <b>Q1</b>                              | Yes  |
| <b>Q2</b>                              | Drought, earthquake, flooding, landslide, wildfire, dam failure, soil.     |
| <b>Q3</b>                              | Flooding on the Logan and Blacksmith Fork Rivers in 2011.                  |
| <b>Q4</b>                              | County Hazard Mitigation Plan  |
| <b>Q5</b>                              | Yes  |
| <b>Q6</b>                              | No   |
| <b>Q7</b>                              | 1,2,2a,2b,3,4,5,14   |
| <b>Q8</b>                              |  |

| CLARKSTON TOWN MITIGATION SURVEY SUMMARY |   |
|--|---|
| <b>Jurisdiction</b>                      | Clarkston   |
| <b>Completed by</b>                      | Richie Calderwood   |
| <b>Address</b>                           | po box 63 Clarkston UT 84305  |
| <b>Phone</b>                             | 435-994-1067  |
| <b>Email</b>                             | <a href="mailto:rcalderwood@batc.edu">rcalderwood@batc.edu</a>                      |
| <b>Q1</b>                                | Y   |
| <b>Q2</b>                                | Left Blank  |
| <b>Q3</b>                                | Flood with low severity or damage. Quick warming over frozen ground during January. |
| <b>Q4</b>                                | left blank  |
| <b>Q5</b>                                | They are not sure   |
| <b>Q6</b>                                | Left Blank  |
| <b>Q7</b>                                | 1,2,2a,2b,3,14  |
| <b>Q8</b>                                | Left Blank  |

| CORNISH TOWN MITIGATION SURVEY SUMMARY |  |
|--|--|
| <b>Jurisdiction</b>                    | Cornish  |
| <b>Completed by</b>                    | Joe Hansen   |
| <b>Address</b>                         | 12575 N 4800 W   |
| <b>Phone</b>                           | 435-760-6740   |
| <b>Email</b>                           | <a href="mailto:cornishmayor@yahoo.com">cornishmayor@yahoo.com</a> |
| <b>Q1</b>                              | N  |
| <b>Q2</b>                              |  |
| <b>Q3</b>                              | No   |
| <b>Q4</b>                              | No   |
| <b>Q5</b>                              | They are not sure  |
| <b>Q6</b>                              | No   |
| <b>Q7</b>                              | 1,2,2a,2b,3,8,14   |
| <b>Q8</b>                              |  |

| HYDE PARK CITY MITIGATION SURVEY SUMMARY |   |
|--|---|
| <b>Jurisdiction</b>                      | Hyde Park   |
| <b>Completed by</b>                      | Sharidean Flint   |
| <b>Address</b>                           | 950 E 300 N   |
| <b>Phone</b>                             | 435-563-9576  |
| <b>Email</b>                             | <a href="mailto:sharideanflint@gmail.com">sharideanflint@gmail.com</a>  |
| <b>Q1</b>                                | Y   |
| <b>Q2</b>                                | Earthquake, flood, wildfire   |
| <b>Q3</b>                                | No  |
| <b>Q4</b>                                | They are on file with the County.   |
| <b>Q5</b>                                | Yes- no building on steep slopes in ordinances. Above 5,100 feet in elevation property owners must mow weeds and grasses. |
| <b>Q6</b>                                | No  |
| <b>Q7</b>                                | 1,2,2a,3,4,14   |
| <b>Q8</b>                                |   |

| HYRUM CITY MITIGATION SURVEY SUMMARY |  |
|--------------------------------------|--|
| <b>Jurisdiction</b>                  | Hyrum City   |
| <b>Completed by</b>                  | Ron Salvesen   |
| <b>Address</b>                       | 83 West Main   |
| <b>Phone</b>                         | 435-245-6033   |
| <b>Email</b>                         | <a href="mailto:rsalvesen@hyrumcity.com">rsalvesen@hyrumcity.com</a> |
| <b>Q1</b>                            | Yes  |
| <b>Q2</b>                            |  |
| <b>Q3</b>                            |  |
| <b>Q4</b>                            |  |
| <b>Q5</b>                            |  |
| <b>Q6</b>                            |  |
| <b>Q7</b>                            | 1,2,2a,2b,3,4,5,14   |
| <b>Q8</b>                            |  |

| LEWISTON CITY MITIGATION SURVEY SUMMARY |   |
|---|---|
| <b>Jurisdiction</b>                     | Lewiston City   |
| <b>Completed by</b>                     | Julie T. Bergeson   |
| <b>Address</b>                          | 29 S Main PO Box 36   |
| <b>Phone</b>                            | 435-258-2141  |
| <b>Email</b>                            | <a href="mailto:jbergeson@lewiston-ut.org">jbergeson@lewiston-ut.org</a>  |
| <b>Q1</b>                               | Y   |
| <b>Q2</b>                               |   |
| <b>Q3</b>                               | No  |
| <b>Q4</b>                               | Yes, ordinance title 12 flood control rewritten and updated in 2011 to meet current FEMA and National Flood Insurance Act criteria. |
| <b>Q5</b>                               | Yes, Ordinance title 12 flood control   |
| <b>Q6</b>                               | No  |
| <b>Q7</b>                               | 1,2,2b,3  |
| <b>Q8</b>                               |   |

| LOGAN CITY MITIGATION SURVEY SUMMARY |   |
|--------------------------------------|---|
| <b>Jurisdiction</b>                  | Logan City  |
| <b>Completed by</b>                  | Mark Nelson   |
| <b>Address</b>                       | 290 N 100 W   |
| <b>Phone</b>                         | 435-716-9151  |
| <b>Email</b>                         | <a href="mailto:mark.nielsen@loganutah.org">mark.nielsen@loganutah.org</a>  |
| <b>Q1</b>                            | Y   |
| <b>Q2</b>                            | D,E,F,L,W,DF,SW   |
| <b>Q3</b>                            | Spring 2011 flooding.   |
| <b>Q4</b>                            | Y: city has a municipal counter disaster plan. It includes a discussion of natural disasters and its associated risks.  |
| <b>Q5</b>                            | Y- are zoning includes faults, high water tables, steep slopes, liquefaction, flood planes  |
| <b>Q6</b>                            | N   |
| <b>Q7</b>                            | 1,2,2a,2b,3,4,5,14  |
| <b>Q8</b>                            | Improvements were made to 600 W bridge to allow more flow across roadway and raised roadway grade. To prevent overtopping road during floods. Service center seismic retrofit is no longer a strategy due to high cost and alternative buildings for employees. The placement of water line from 700 N 800 E to 400 N 700 E is not as critical with current water operating procedures. additional water storage is still ongoing for the next 5 years. |

| MILLVILLE CITY MITIGATION SURVEY SUMMARY |  |
|--|--|
| <b>Jurisdiction</b>                      | Mendon City  |
| <b>Completed by</b>                      | Ed Buist   |
| <b>Address</b>                           | P.O. Box 70 Mendon, UT 84325   |
| <b>Phone</b>                             | 435-770-9824   |
| <b>Email</b>                             | <a href="mailto:ed.buist@usu.edu">ed.buist@usu.edu</a>   |
| <b>Q1</b>                                | Y  |
| <b>Q2</b>                                | Flooding   |
| <b>Q3</b>                                | January 2012 flooding event from snow run off and frozen ground resulting in sheeting water from above town down through town. Ditches and canals could not handle the extra water which resulted in several flooded basements, road sides being washed out with considerable road damage. |
| <b>Q4</b>                                | Disaster plans include citizen notification and cert team gathering to help city in any way needed.  |
| <b>Q5</b>                                | No   |
| <b>Q6</b>                                | No   |
| <b>Q7</b>                                | 1,2,2a,3,14  |
| <b>Q8</b>                                |  |

| MILLVILLE CITY MITIGATION SURVEY SUMMARY |   |
|--|---|
| <b>Jurisdiction</b>                      | Millville City  |
| <b>Completed by</b>                      | Harry Meadows   |
| <b>Address</b>                           | p.o. box 308, Millville, UT 84326   |
| <b>Phone</b>                             | 435-881-2977  |
| <b>Email</b>                             | <a href="mailto:hwmeadows@comcast.net">hwmeadows@comcast.net</a>  |
| <b>Q1</b>                                | We have their risk assessment section already   |
| <b>Q2</b>                                |   |
| <b>Q3</b>                                |   |
| <b>Q4</b>                                |   |
| <b>Q5</b>                                |   |
| <b>Q6</b>                                | No  |
| <b>Q7</b>                                | 1,2,2a,2b,3,4,14  |
| <b>Q8</b>                                | Flood- Currently do not want to get involved with canal companies. For future they are working towards that goal--- Wildfire- done with strategy- For future there is very little building in that area----- Earthquake- current is done. Future is done. |

| NIBLEY CITY MITIGATION SURVEY SUMMARY |   |
|---------------------------------------|---|
| <b>Jurisdiction</b>                   | Nibley City                                   |
| <b>Completed by</b>                   | David Zook                                    |
| <b>Address</b>                        | 455 W 3200 S                                  |
| <b>Phone</b>                          | 435-752-0431                                  |
| <b>Email</b>                          |   |
| <b>Q1</b>                             | Y   |
| <b>Q2</b>                             | We have their risk assessment section already |
| <b>Q3</b>                             |   |
| <b>Q4</b>                             |   |
| <b>Q5</b>                             |   |
| <b>Q6</b>                             |   |
| <b>Q7</b>                             | 1,2,2b,3,4,5,6,14                             |
| <b>Q8</b>                             |   |



| NORTH LOGAN CITY MITIGATION SURVEY SUMMARY |   |
|--|---|
| <b>Jurisdiction</b>                        | North Logan   |
| <b>Completed by</b>                        | Cordell Batt  |
| <b>Address</b>                             |   |
| <b>Phone</b>                               |   |
| <b>Email</b>                               |   |
| <b>Q1</b>                                  | Yes   |
| <b>Q2</b>                                  |   |
| <b>Q3</b>                                  | Residential homes flooded, spring 2011. Flooding west of ag fields.   |
| <b>Q4</b>                                  | n   |
| <b>Q5</b>                                  | y-Geologic, slope, flood, wildfire ordinances   |
| <b>Q6</b>                                  | Canyon Gates subdivision - 250 new homes  |
| <b>Q7</b>                                  | 1,2,22,2b,3,4,6,7,8,13,14   |
| <b>Q8</b>                                  | Earthquake training (Utah Shakeout). Working with canal companies. Wildfire Development plan. Geotechnical Requirements. Using flood areas as recreational opportunities. |

| PARADISE TOWN MITIGATION SURVEY SUMMARY |  |
|---|--|
| <b>Jurisdiction</b>                     | Paradise   |
| <b>Completed by</b>                     |  |
| <b>Address</b>                          | 9035 S 100 W   |
| <b>Phone</b>                            | 435-245-6737   |
| <b>Email</b>                            | <a href="mailto:mayor@paradise.utah.gov">mayor@paradise.utah.gov</a> |
| <b>Q1</b>                               | We have their risk assessment section already                        |
| <b>Q2</b>                               |  |
| <b>Q3</b>                               |  |
| <b>Q4</b>                               |  |
| <b>Q5</b>                               |  |
| <b>Q6</b>                               |  |
| <b>Q7</b>                               | 1,2,2b,3,5,14  |
| <b>Q8</b>                               |  |

| <b>PROVIDENCE CITY MITIGATION SURVEY SUMMARY</b> |   |
|--|---|
| <b>Jurisdiction</b>                              | Providence City   |
| <b>Completed by</b>                              | Randy L. Eck  |
| <b>Address</b>                                   | 15 South Main Street Providence UT, 84332   |
| <b>Phone</b>                                     | 435-753-0313 ext-21   |
| <b>Email</b>                                     | <a href="mailto:reck@providence.utah.gov">reck@providence.utah.gov</a>  |
| <b>Q1</b>  | Y   |
| <b>Q2</b>  | Drought, Earthquake, Flooding, Landslide, Wildfire  |
| <b>Q3</b>  | Yes, there was flooding in 2011, and a wildfire in 2009   |
| <b>Q4</b>  | Yes, hazard zones in our master plan. We also have a map of Spring Creek that runs through the city. The flood that happened was in spring creek.       |
| <b>Q5</b>  | Yes   |
| <b>Q6</b>  | Yes, there is potential development on the east side of the city that lies in the foothills. Damage from flooding, landslide, and wildfire is possible. |
| <b>Q7</b>  | 1,2,2a,3,4,7,8,9,14   |
| <b>Q8</b>  | 2009 plans did not include flooding of Spring Creek from run off.   |

| <b>RICHMOND CITY MITIGATION SURVEY SUMMARY</b> |   |
|--|---|
| <b>Jurisdiction</b>                            | Richmond City   |
| <b>Completed by</b>                            | Marlowe C. Adkins   |
| <b>Address</b>                                 | PO Box 9 6 West Main Richmond, UT 84333   |
| <b>Phone</b>                                   | 435-258-2092  |
| <b>Email</b>                                   | <a href="mailto:richmondcity@richmond-utah.com">richmondcity@richmond-utah.com</a>  |
| <b>Q1</b>                                      | Yes   |
| <b>Q2</b>                                      | Earthquake (1962), flooding (2004, 2006), lesser potential for wildfire and steep slope issues.   |
| <b>Q3</b>                                      | None since November 2009  |
| <b>Q4</b>                                      | Maps contained within the Richmond City General Plan dated 2013   |
| <b>Q5</b>                                      | No  |
| <b>Q6</b>                                      | None have been presented by developers or potential developers to date.   |
| <b>Q7</b>                                      | 1,2,2a,2b,3,14  |
| <b>Q8</b>                                      | Essentially incorporated the bulk of the strategies used in the 2009 program, but did make some minor changes re: cities vs.. Richmond irrigation company for flooding. |

| SMITHFIELD CITY MITIGATION SURVEY SUMMARY |  |
|---|--|
| <b>Jurisdiction</b>                       | Smithfield City  |
| <b>Completed by</b>                       | Craig Giles  |
| <b>Address</b>                            | 96 South Main Street   |
| <b>Phone</b>                              | 435-792-7997   |
| <b>Email</b>                              | <a href="mailto:cgiles@smithfieldcity.org">cgiles@smithfieldcity.org</a>   |
| <b>Q1</b>                                 | Y  |
| <b>Q2</b>                                 | Drought, Earthquake, Flooding, Landslide, and Wildfire   |
| <b>Q3</b>                                 | None   |
| <b>Q4</b>                                 | Yes, our general plan addresses natural and cultural resources such as: hillside and geologic hazards, hydrology, floodplains, and wetlands. We also have a geologic hazards map identifying hazards such as floodplains, slopes, and groundwater.                                       |
| <b>Q5</b>                                 | Yes  |
| <b>Q6</b>                                 | None   |
| <b>Q7</b>                                 | 1,2,2a,3,4,7,  |
| <b>Q8</b>                                 | Smithfield has identified the floodplain running through the city, and have taken steps through the cities ordinance and general plan to minimize the effects of flooding. Smithfield works through LDS stakes with emergency preparedness, nothing else on the plan has been addressed. |

| TRENTON TOWN MITIGATION SURVEY SUMMARY |  |
|--|--|
| <b>Jurisdiction</b>                    | Trenton town   |
| <b>Completed by</b>                    | Ed Cottle  |
| <b>Address</b>                         | 1207 S 400 E   |
| <b>Phone</b>                           | 435-563-3501   |
| <b>Email</b>                           | <a href="mailto:janet@teamwifi.net">janet@teamwifi.net</a>             |
| <b>Q1</b>                              | N  |
| <b>Q2</b>                              | earthquake   |
| <b>Q3</b>                              | No   |
| <b>Q4</b>                              | No   |
| <b>Q5</b>                              | They are not sure  |
| <b>Q6</b>                              | N  |
| <b>Q7</b>                              | 1,2,2a,2b,3,14   |
| <b>Q8</b>                              | They listed that they implemented earthquake, landslide, and wildfire. |

| <b>WELLSVILLE CITY MITIGATION SURVEY SUMMARY</b> |  |
|--|--|
| <b>Jurisdiction</b>                              | Wellsville City  |
| <b>Completed by</b>                              | Don Hartle   |
| <b>Address</b>                                   | box 6. 75 E main Wellsville UT, 84339                              |
| <b>Phone</b>                                     | 435-245-3686   |
| <b>Email</b>                                     | <a href="mailto:wellsville@comcast.net">wellsville@comcast.net</a> |
| <b>Q1</b>  | y  |
| <b>Q2</b>  | dam fail, faults, flooding, landslides, slope, wildfire            |
| <b>Q3</b>  | 2011 flooding due to rain on frozen ground                         |
| <b>Q4</b>  | Fema and Pictures  |
| <b>Q5</b>  | Y-   |
| <b>Q6</b>  | Left Blank   |
| <b>Q7</b>  | 1,2,2a,2b,3,4,5,14   |
| <b>Q8</b>  | Left Blank   |

| <b>GARDEN CITY MITIGATION SURVEY SUMMARY</b> |   |
|--|---|
| <b>Jurisdiction</b>                          | Garden City   |
| <b>Completed by</b>                          | Mike Wahlberg/ fire chief   |
| <b>Address</b>                               | 145 W Logan Road  |
| <b>Phone</b>                                 | 435-994-2460  |
| <b>Email</b>                                 | <a href="mailto:gardencityfiredistrict@gmail.com">gardencityfiredistrict@gmail.com</a>  |
| <b>Q1</b>                                    | N   |
| <b>Q2</b>                                    | earthquake, landslides, wildfire/urban interface, flooding, extreme weather.  |
| <b>Q3</b>                                    | They have wildfires yearly, and moderate flooding happened in spring 2011. Moderate damage to residential homes.  |
| <b>Q4</b>                                    | Yes- county emergency plan, and urban/wild land interface evacuation maps   |
| <b>Q5</b>                                    | They are not sure   |
| <b>Q6</b>                                    | Yes- the Shundahai subdivision development is in a steep high fire potential wildfire prone hillside. Provisions are already being made to take that danger into consideration. |
| <b>Q7</b>                                    | 1,2,2a,2b,3,4,8   |
| <b>Q8</b>                                    | They have noticed no such plans or mitigation strategies  |

| LAKETOWN MITIGATION SURVEY SUMMARY |  |
|------------------------------------|--|
| <b>Jurisdiction</b>                | Laketown   |
| <b>Completed by</b>                | Melissa Johnson  |
| <b>Address</b>                     |  |
| <b>Phone</b>                       | 435-946-9000   |
| <b>Email</b>                       | (clerk@laketownutah.com) or (randolph@allwest.net)   |
| <b>Q1</b>                          | Y  |
| <b>Q2</b>                          |  |
| <b>Q3</b>                          | Add wildlife to their risks. They mentioned a problem with deer eating many of the residents vegetation. |
| <b>Q4</b>                          | None- possibly zoning?   |
| <b>Q5</b>                          | No   |
| <b>Q6</b>                          | Yes- there is one residential home being built on the hill currently.                                    |
| <b>Q7</b>                          | 2,2a,3,4,5,6,13,14   |
| <b>Q8</b>                          |  |

| RANDOLPH TOWN MITIGATION SURVEY SUMMARY |   |
|---|---|
| <b>Jurisdiction</b>                     | Randolph Town   |
| <b>Completed by</b>                     | Lyn Weston  |
| <b>Address</b>                          |   |
| <b>Phone</b>                            |   |
| <b>Email</b>                            |   |
| <b>Q1</b>                               | We have their risk assessment section already               |
| <b>Q2</b>                               |   |
| <b>Q3</b>                               |   |
| <b>Q4</b>                               |   |
| <b>Q5</b>                               |   |
| <b>Q6</b>                               | They just listed earthquake and wildfire but no development |
| <b>Q7</b>                               | 2,,3,5,6,14   |
| <b>Q8</b>                               | Left Blank  |

| <b>RICH COUNTY MITIGATION SURVEY SUMMARY</b> |  |
|--|--|
| <b>Jurisdiction</b>                          | Rich County  |
| <b>Completed by</b>                          | Bryce Nielson  |
| <b>Address</b>                               | Box 54   |
| <b>Phone</b>                                 | Garden City  |
| <b>Email</b>                                 | <a href="mailto:cisco@cut.net">cisco@cut.net</a>                               |
| <b>Q1</b>                                    | No   |
| <b>Q2</b>                                    | Wildfire, weather cells, flooding, landslide, weather earthquake, dam failure. |
| <b>Q3</b>                                    |  |
| <b>Q4</b>                                    | Previous pre-mitigation plan 2009  |
| <b>Q5</b>                                    | No   |
| <b>Q6</b>                                    | No   |
| <b>Q7</b>                                    | 1,2,2a,3,4,5,8,14  |
| <b>Q8</b>                                    |  |

| <b>WOODRUFF MITIGATION SURVEY SUMMARY</b> |  |
|---|--|
| <b>Jurisdiction</b>                       | Woodruff   |
| <b>Completed by</b>                       | Bo Holman  |
| <b>Address</b>                            | Woodruff Town Hall 195 S. Main Woodruff, UT 84086  |
| <b>Phone</b>                              | 435- 793-4201  |
| <b>Email</b>                              | N/A  |
| <b>Q1</b>                                 | Yes  |
| <b>Q2</b>                                 | Dam Failure, Problem Soils   |
| <b>Q3</b>                                 | In the spring of 2011 there was a quick warm spring and all the runoff flooded some parts of Woodruff. |
| <b>Q4</b>                                 | N/A  |
| <b>Q5</b>                                 | N/A  |
| <b>Q6</b>                                 | There is currently one home being built.   |
| <b>Q7</b>                                 | 5,6  |
| <b>Q8</b>                                 | They are currently filing for grants for underground pipes.  |