

BOX ELDER COUNTY – COMMUNITY HAZARD MITIGATION GOALS AND STRATEGIES

Hazard mitigation goals in this plan are similar to those identified in the 2004 plan. While mitigation goals have not drastically changed, many of the specific mitigation strategies to accomplish those goals have. The following goals were identified to direct community hazard mitigation strategies. These goals were developed based on the local official surveys in 2004 and 2008 (See appendix A), input from the Bear River Region PDM Technical Planning Team in 2004, and input from the Steering Committee in 2004.

Goal #1: Protect Current Residents and Property

- Improve emergency response capabilities.
- Improve the disaster resistance of existing infrastructure and critical facilities.
- Build capacity of citizens to undertake mitigation activities through education and training.
- Build technical GIS and analysis capacity for communities to help identify hazards and risks to hazards.

Goal #2: Protect Future Residents and Property

- As appropriate, develop and implement regulatory mechanisms to ensure new development activities will not increase the risk to life or property from natural hazards.
- Build technical GIS and analysis capacity for communities to help identify hazards and risk to hazards for future residents and their property.
- Empower future citizens to make informed choices through access to better data and more resources.

To accomplish these goals, specific mitigation strategies were developed by participating jurisdictions with assistance from working groups and BRAG staff. These strategies were assigned a priority of high, medium, or low by communities and through BRAG staff assistance according to the following criteria:

- Potential number of people protected by the project
- Technical feasibility
- Political support
- Available funding and priorities
- Environmental impacts

A guiding factor in prioritizing mitigation strategies was the principle that mitigation should provide the greatest amount of good to the greatest number of people, after considering funding opportunities and constraints. Recurrence intervals, past events, and damage estimates compiled during the assessment of vulnerability in this plan were also considered for priority and timeline values. While there was not a technical benefit-cost analysis regarding mitigation strategies during this planning process, the above criteria were considered for prioritization.

BOX ELDER COUNTY - COMMUNITY MITIGATION STRATEGIES

Protecting Current Residents and Property

Jurisdiction	Hazard	Goal	Action	Action (For NFIP Compliance, if Applicable)	Priority (High, Medium, Low)	Time-frame (Year)	Potential Funding Sources	Estimated Cost	Resources
Bear River Region	All	Protect current residents and property	County-wide emergency preparedness fair	N/A	High	2011	Counties, BRAG	Minimal	BRAG, Counties, Be Ready Utah, Utah DESHS, local communities, Utah FFSL, GOPB, LEPC's, local HAM radio groups, UGS, NRCS (snow), National Weather Service, LDS Bishops Storehouse, Food Bank
Bear River Region	Severe Weather	Protect current residents and property	Public education/training including 3-5 day power outage survival, emergency response (CERT), emergency shelter locations, emergency kits, backup utilities, livestock issues, and interoperable emergency communications planning.	N/A	High	2011	Counties, Utah ESHS, BRAG, Cities, FEMA	\$50,000	Counties, Utah ESHS, BRAG, Cities, FEMA, NOAA
Bear River Region	Agricultural	Protect current residents and property	Encourage crop diversity, weed and pest management, and coordination with local, State, and Federal agencies on agricultural land management and production.	N/A	Medium	2011	Utah Department of Agriculture and Food, USDA, USU Extension, USFS, BLM,	Minimal	Utah Department of Agriculture and Food, USDA, USU Extension, USFS, BLM,
Bear River Region	Agricultural	Protect current residents and property	Work with various agencies to plan for and mitigate economic losses associated with stock loss due to disease.	N/A	Medium	2011	Utah Department of Agriculture and Food, USDA, USU Extension	minimal	Utah Department of Agriculture and Food, USDA, USU Extension, US Food and Drug Administration, Center for Disease Control
Bear River Region	Agricultural	Protect current residents and property	Prepare an Emergency Services Function for County Emergency Operations Plans	N/A	Medium	2013	Local	Minimal	Local
Bear River Region	Agricultural	Protect current residents and property	Educate residents on crop insurance program, alternative planting and CRP programs, value of agriculture, pest control, crop diversity, urban tree planting guidelines, etc.	N/A	Medium	2011	State, Local, USDA	Minimal	State, Local, USDA
Bear River Region	Drought	Protect current residents and property	Discuss purchasing agricultural water rights for culinary water on a county and local level	N/A	High	2011	County, Local	Minimal	County, Local
Bear River Region	Drought	Protect current residents and property	Explore possibility of water wise landscaping ordinances	N/A	High	2011	Counties, Municipalities, BRAG	minimal	Counties, Municipalities, BRAG, USU Extension, NRCS, Utah League of Cities and Towns, GOPB
Bear River Region	Drought	Protect current residents and property	Study feasibility of increasing current water storage capabilities	N/A	Low	2013	Utah ESHS, BRAG	Minimal	Utah ESHS, BRAG
Bear River Region	Drought	Protect current residents and property	Encourage water conservation techniques for all land uses	N/A	High	2011	Utah DEQ, USDA, Utah Agriculture and Food, Utah APA	minimal	Utah DEQ, USDA, Utah Agriculture and Food, Utah APA
Bear River Region	Earthquake	Protect current residents and property	Update geologic hazards data in the local General Plans and ordinances with new data available from the Utah Geologic Survey and the US Geological Survey	N/A	High	2011	Local, BRAG	Minimal	Local, BRAG, County, UGS, USGS, Utah ESHS
All Bear River Region jurisdictions that do not participate in NFIP	Flood	Protect current residents and property	Talk with the Utah ESHS about the benefits of the NFIP program and consider joining so residents can purchase flood insurance.	Talk with the Utah ESHS about the benefits of the NFIP program and consider joining so residents can purchase flood insurance.	High	2010	Local	Minimal	Utah ESHS, Local, FEMA
Box Elder County	Dam Failure	Protect current residents and property	Update City Watch notification system	N/A	Medium	2013	Local, Region 1 HS grant	\$10,000	Utah ESHS
Box Elder County	Earthquake	Protect current residents and property	Apply for FEMA grant to retrofit County Courthouse	N/A	Medium	2012	FEMA	\$1,000,000	FEMA, Utah ESHS

Box Elder County	Flood	Protect current residents and property	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County	Must be done to remain NFIP compliant	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Box Elder County	Wildfire	Protect current residents and property	Continue aggressive reseeding and firebreaks through wildfire grants	N/A	High	Annually	Various Fire Grants	\$100,000+	Utah ESHS, FFSL, BRAG
Box Elder County	Landslide	Protect current residents and property	Identify and educate all property owners in a landslide area	N/A	Low	2013	Local	Minimal	Utah ESHS, BRAG
Bear River City	Dam Failure	Protect current residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2011	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Bear River City	Earthquake	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Brigham City	Dam Failure	Protect current residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2011	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Brigham City	Landslide	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Brigham City	Wildfire	Protect current residents and property	Wildfire Defense Program	N/A	High	2010	FEMA, Private Contractors	\$12,000	BRAG, DHS, FFSL
Brigham City	Earthquake	Protect current residents and property	Perform seismic upgrades to existing Brigham City Library to meet current building codes	N/A	High	2009-2010	FEMA pre-mitigation disaster funds	\$900,000	FEMA, DHS
Brigham City	Multi-Hazard	Protect current residents and property	Protect 36" Penstock water line coming from Mantua to Brigham City by burying it	N/A	High	2011	FEMA, DHS, NRCS	\$3,000,000	FEMA, DHS, Stimulus
Brigham City	Multi-Hazard	Protect current residents and property	Trim trees to keep limbs clear of electrical power system	N/A	High	2009	City Funds	\$75,000	Local
Brigham City	Flood	Protect current residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Corinne	Dam Failure	Protect current residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2011	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Corinne	Flood	Protect current residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Corinne	Earthquake	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Deweyville	Dam Failure	Protect current residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2011	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Deweyville	Wildfire	Protect current residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage firewise ordinances and building codes	N/A	Low	2011	Utah FFSL, Local	Minimal	Utah FFSL, Local

Deweyville	Earthquake	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Elwood	Dam Failure	Protect current residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2011	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Elwood	Flood	Protect current residents and property	Surface drainage project	Surface drainage project	High	2020	CIB, State, USDA, Local	\$6,000,000	State, USDA, Local
Elwood	Earthquake	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Fielding	Earthquake	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Garland	Earthquake	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Honeyville	Earthquake	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Honeyville	Wildfire	Protect current residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage firewise ordinances and building codes	N/A	Low	2011	Utah FFSL, Local	Minimal	Utah FFSL, Local
Honeyville	Flood	Protect current residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Honeyville	Dam Failure	Protect current residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2011	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Honeyville	Landslide	Protect current residents and property	Develop an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Howell	Wildfire	Protect current residents and property	Install fire hydrant on south end to fill water trucks	N/A	Medium	2010	Howell Town	\$2,500	Howell Town Water Fund
Howell	Flood-Dam Failure	Protect current residents and property	Follow up on information received from test holes	N/A	Medium	2009	Local	Minimal	Bureau of Reclamation, Blue Creek Irrigation Co.
Howell	Earthquake	Protect current residents and property	Identify structures requiring retrofit	N/A	Medium	2010	State or Federal	\$50,000	DHS, FEMA, BRAG
Mantua	Dam Failure	Protect current residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2011	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Mantua	Wildfire	Protect current residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage firewise ordinances and building codes	N/A	Low	2011	Utah FFSL, Local	Minimal	Utah FFSL, Local
Mantua	Flood	Protect current residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS

Mantua	Landslide	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Perry	Dam Failure	Protect current residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2011	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Perry	Wildfire	Protect current residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2011	Utah FFSL, Local	Minimal	Utah FFSL, Local
Perry	Flood	Protect current residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Perry	Landslide	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Perry	Earthquake	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local
Plymouth	Flood	Protect current residents and property	Talk with the Utah ESHS about the benefits of the NFIP program and consider joining so residents can purchase flood insurance.	Talk with the Utah ESHS about the benefits of the NFIP program and consider joining so residents can purchase flood insurance.	High	2010	Local	Minimal	Utah ESHS, Local, FEMA
Plymouth	Flood	Protect current resident and property	Replace current underground water drains west of 5100 West and east of 5000 West with new, reinforced drains.	Replace current water drainage culverts west of 5100 West and east of 5000 West with concrete drainage culverts.	High	2011	FEMA, Local, BRAG	TBD	FEMA, Local, BRAG, County
Portage	Drought	Protect current residents and property	Protect springs-primary water sources and town wells. Plan is in place.	N/A	High	Current	Local	Minimal	Local
Snowville	Wildfire	Protect current residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2011	Utah FFSL, Local	Minimal	Utah FFSL, Local
Tremonton	Earthquake Liquefaction	Protect current residents and property	Educate current residents and businesses regarding steps to prepare older structures	N/A	High	2012	FEMA, State, Local Training	TBD	Federal, State, Local Training
Tremonton	Wildfire	Protect current residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2011	Utah FFSL, Local	Minimal	Utah FFSL, Local
Tremonton	Flood	Protect current residents and property	Establish and implement flood protection plan	Establish and implement flood protection plan	Medium	2011	Local	Minimal	BRAG, Utah DESHS
Tremonton	Severe Weather	Protect current residents and property	Develop and implement a local severe weather plan	N/A	High	2011	BRAG, Local	Minimal	BRAG, Utah DESHS
Willard	Earthquake	Protect current residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local

Willard	Flood	Protect current residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Willard	Wildfire	Protect current residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2011	Utah FFSL, Local	Minimal	Utah FFSL, Local
Willard	Wildfire	Protect current residents and property	Emergency generator for Fire Station/Command Center	N/A	High	2011	Utah FFSL, Local, FEMA	\$31,000	Utah FFSL, Local
Willard	Wild Land – Urban Interface	Protect current residents and property	105 ft aerial Quint Ladder Truck	N/A	High	2011	AFG, Local, Other	\$750,000	AFG, Local, Other
Willard	Landslide	Protect current residents and property	Develop an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2011	State, Local	Minimal	State, Local

BOX ELDER COUNTY - COMMUNITY MITIGATION STRATEGIES

Protecting Future Residents and Property

Jurisdiction	Hazard	Goal	Action	Action (For NFIP Compliance, if Applicable)	Priority (High, Medium, Low)	Time-frame (Year)	Potential Funding Sources	Estimated Cost	Resources
Bear River Region	All	Protect future residents and property	County-wide emergency preparedness fair	N/A	High	2010	Counties, BRAG	Minimal	BRAG, Counties, Be Ready Utah, Utah DESHS, local communities, Utah FFSL, GOPB, LEPC's, local HAM radio groups, UGS, NRCS (snow), National Weather Service, LDS Bishops Storehouse, Food Bank
Bear River Region	Severe Weather	Protect future residents and property	Discuss planning needs on the county and city levels to coordinate land use regulations regarding development in flood, landslide, and wildfire hazard areas and Severe Weather events and response. This would be intended to prevent damages from extreme weather trigger events and incorporate severe weather into current response plans.	N/A	Medium	2011	Counties, Municipalities, BRAG	Minimal	Counties, Municipalities, BRAG, Utah ESHS, Army Corps., Be Ready Utah, FFSL, LEPC, NOAA, NRCS
Bear River Region	Agricultural	Protect future residents and property	Encourage crop diversity, weed and pest management, and coordination with local, State, and Federal agencies on agricultural land management and production.	N/A	Medium	2011	Utah Department of Agriculture and Food, USDA, USU Extension, USFS, BLM,	Minimal	Utah Department of Agriculture and Food, USDA, USU Extension, USFS, BLM,
Bear River Region	Agricultural	Protect future residents and property	Work with various agencies to plan for and mitigate economic losses associated with stock loss due to disease.	N/A	Medium	2011	Utah Department of Agriculture and Food, USDA, USU Extension	minimal	Utah Department of Agriculture and Food, USDA, USU Extension, US Food and Drug Administration, Center for Disease Control
Bear River Region	Agricultural	Protect future residents and property	Prepare an Emergency Services Function for County Emergency Operations Plans	N/A	Low	2013	Local	Minimal	Local
Bear River Region	Agricultural	Protect future residents and property	Educate residents on crop insurance program, alternative planting and CRP programs, value of agriculture, pest control, crop diversity, urban tree planting guidelines, etc.	N/A	Medium	2011	State, Local, USDA	Minimal	State, Local, USDA

Bear River Region	Drought	Protect future residents and property	Discuss purchasing agricultural water rights for culinary water on a county and local level	N/A	High	2011	County, Local	Minimal	County, Local
Bear River Region	Drought	Protect future residents and property	Explore possibility of water wise landscaping ordinances, and encourage water conservation for all land uses.	N/A	High	2010	Counties, Municipalities, BRAG	minimal	Counties, Municipalities, BRAG, USU Extension, NRCS, Utah League of Cities and Towns, Utah DEQ, USDA, Utah Agriculture and Food, Utah APA
Bear River Region	Drought	Protect future residents and property	Study feasibility of increasing current water storage capabilities	N/A	Low	2013	Utah ESHS, BRAG	Minimal	Utah ESHS, BRAG
Bear River Region	Drought	Protect future residents and property	Encourage water conservation techniques for all land uses.	N/A	High	2011	Utah DEQ, USDA, Utah Agriculture and Food, Utah APA	minimal	Utah DEQ, USDA, Utah Agriculture and Food, Utah APA
Bear River Region	Earthquake	Protect future residents and property	Update geologic hazards data in the local General Plans and ordinances with new data available from the Utah Geologic Survey and the US Geological Survey	N/A	High	2011	Local, BRAG	Minimal	Local, BRAG, County, UGS, USGS, Utah ESHS
All Bear River Region jurisdictions that do not participate in NFIP	Flood	Protect future residents and property	Talk with the Utah ESHS about the benefits of the NFIP program and consider joining so residents can purchase flood insurance.	Talk with the Utah ESHS about the benefits of the NFIP program and consider joining so residents can purchase flood insurance.	High	2010	Local	Minimal	Utah ESHS, Local, FEMA
Box Elder County	Dam Failure	Protect future residents and property	Incorporate new FEMA floodplain map with dam break high water mark	N/A	Medium	2013	Local	Minimal	Local
Box Elder County	Earthquake	Protect future residents and property	Identify hazard areas and provide information to future development	N/A	Medium	2013	Local	Minimal	Utah ESHS
Box Elder County	Flood	Protect future residents and property	Reconcile future development with soon to be adopted FEMA floodplain maps for Box Elder County	Must be done to remain NFIP compliant	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Box Elder County	Wildfire	Protect future residents and property	Require wild land/urban interface mitigation through county ordinance	N/A	High	2012	Local	Minimal	BRAG, UCIP
Box Elder County	Landslide	Protect future residents and property	Prevent building in a landslide area through planning commission	N/A	Low	2013	Local	Minimal	Utah ESHS, BRAG
Bear River City	Dam Failure	Protect future residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2010	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Bear River City	Earthquake	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Brigham City	Dam Failure	Protect future residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2010	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Brigham City	Landslide	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Brigham City	Wildfire	Protect future residents and property	Develop planning ordinances to allow city to become fire wise community	N/A	High	2009-2010	FEMA, DHS, FFSL	Minimal	BRAG, DHS, FEMA, FFSL
Brigham City	Earthquake	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local

Brigham City	Multi-Hazard	Protect current residents and property	Protect 36" Penstock water line coming from Mantua to Brigham City by burying it	N/A	High	2011	FEMA, DHS, NRCS	\$3,000,000	FEMA, DHS, Stimulus
Brigham City	Flood	Protect future residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Corinne	Dam Failure	Protect future residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2010	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Corinne	Flood	Protect future residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Corinne	Earthquake	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Deweyville	Dam Failure	Protect future residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2010	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Deweyville	Wildfire	Protect future residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2010	Utah FFSL, Local	Minimal	Utah FFSL, Local
Deweyville	Earthquake	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Elwood	Dam Failure	Protect future residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2010	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Elwood	Flood	Protect future residents and property	Surface drainage project	Surface drainage project	High	2020	CIB, State, USDA, Local	\$6,000,000	State, USDA, Local
Elwood	Earthquake	Protect future residents and property	Develop an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Fielding	Earthquake	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Garland	Earthquake	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Honeyville	Earthquake	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Honeyville	Wildfire	Protect future residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2010	Utah FFSL, Local	Minimal	Utah FFSL, Local

Honeyville	Flood	Protect future residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Honeyville	Dam Failure	Protect future residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2010	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Honeyville	Landslide	Protect future residents and property	Develop an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Howell	Wildfire	Protect future residents and property	Install fire hydrant on south end to fill water trucks	N/A	Medium	2010	Howell Town	\$2,500	Howell Town
Howell	Flood-Dam Failure	Protect future residents and property	Follow up on information received from test holes	Follow up on information received from test holes	Medium	2009	Howell Town	Minimal	Bureau of Reclamation, Blue Creek Irrigation Co.
Howell	Earthquake	Protect future residents and property	Incorporate Emergency Plan	N/A	Medium	2010	County	Minimal	County
Mantua	Dam Failure	Protect future residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2010	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Mantua	Wildfire	Protect future residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2010	Utah FFSL, Local	Minimal	Utah FFSL, Local
Mantua	Flood	Protect future residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Mantua	Landslide	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Perry	Dam Failure	Protect future residents and property	Work with the Utah Division of Water Rights and other groups to utilize Emergency Action Plans on a local level.	N/A	Low	2010	Utah Division of Water Rights, Local	Minimal	Utah Division of Water Rights, Local
Perry	Wildfire	Protect future residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2010	Utah FFSL, Local	Minimal	Utah FFSL, Local
Perry	Flood	Protect future residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Perry	Landslide	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Perry	Earthquake	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local

Plymouth	Flood	Protect future residents and property	Talk with the Utah ESHS about the benefits of the NFIP program and consider joining so residents can purchase flood insurance.	Talk with the Utah ESHS about the benefits of the NFIP program and consider joining so residents can purchase flood insurance.	High	2010	Local	Minimal	Utah ESHS, Local, FEMA
Plymouth	Earthquake	Protect future residents and property	Replace town's current culinary water distribution lines and underground water drains with lines/drains designed to withstand damages from an earthquake.	N/A	High	2011	Local, BRAG	TBD	Local, BRAG, FEMA, State, County, Engineering firms
Portage	Drought	Protect current residents and property	Protect springs-primary water sources and town wells. Plan is in place.	N/A	High	Current	Local	Minimal	Local
Snowville	Wildfire	Protect future residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2010	Utah FFSL, Local	Minimal	Utah FFSL, Local
Tremonton	Earthquake Liquefaction	Protect future residents and property	Tools in place for building locations and building codes, zoning	N/A	High	2012	Federal, State, Local	TBD	State, Local
Tremonton	Wildfire	Protect future residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2010	Utah FFSL, Local	Minimal	Utah FFSL, Local
Tremonton	Flood	Protect future residents and property	Planning and zoning	Planning and zoning	Medium	2012	Federal, State, Local	TBD	Federal, State, Local
Willard	Earthquake	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local
Willard	Flood	Protect future residents and property	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.	Reconcile current development with soon to be adopted FEMA floodplain maps for Box Elder County for NFIP communities.	High	2013	FEMA, Local	Minimal	FEMA, Utah ESHS
Willard	Wildfire	Protect future residents and property	Talk with Utah FFSL about writing a Community Wildfire Protection Plan, and encourage fire wise ordinances and building codes	N/A	Low	2010	Utah FFSL, Local	Minimal	Utah FFSL, Local
Willard	Landslide	Protect future residents and property	Develop or update an environmental safety zone - with identified hazard areas, disclosure/education, hazard maps	N/A	Low	2010	State, Local	Minimal	State, Local