

APPENDIX 1 SOURCE DATA

DROUGHT

The following tables present the amount of consecutive weeks with start and end dates of droughts in Region 8. All data is from U.S. Drought Monitor.

TABLE 5.1.A DROUGHT CONDITIONS IN GRANT COUNTY				
<i>Start Date</i>	<i>End Date</i>	<i>Consecutive Weeks</i>	<i>County</i>	<i>Drought Severity</i>
1/11/2000	2/15/2000	6	Grant County	D0 - Abnormally Dry
3/21/2000	5/23/2000	10	Grant County	D0 - Abnormally Dry
11/28/2000	12/12/2000	3	Grant County	D0 - Abnormally Dry
5/8/2001	5/29/2001	4	Grant County	D0 - Abnormally Dry
10/23/2001	5/7/2002	29	Grant County	D0 - Abnormally Dry
11/20/2001	1/15/2002	9	Grant County	D1 - Moderate Drought
1/29/2002	4/23/2002	13	Grant County	D1 - Moderate Drought
2/12/2002	4/16/2002	10	Grant County	D2 - Severe Drought
3/12/2002	4/9/2002	5	Grant County	D3 - Extreme Drought
7/9/2002	7/23/2002	3	Grant County	D0 - Abnormally Dry
9/3/2002	11/12/2002	11	Grant County	D0 - Abnormally Dry
9/10/2002	10/15/2002	6	Grant County	D1 - Moderate Drought
9/20/2005	11/8/2005	8	Grant County	D0 - Abnormally Dry
9/20/2005	10/4/2005	3	Grant County	D1 - Moderate Drought
3/14/2006	4/11/2006	5	Grant County	D0 - Abnormally Dry
5/9/2006	6/20/2006	7	Grant County	D0 - Abnormally Dry
8/15/2006	8/29/2006	3	Grant County	D0 - Abnormally Dry
12/19/2006	2/27/2007	11	Grant County	D0 - Abnormally Dry
6/5/2007	8/21/2007	12	Grant County	D0 - Abnormally Dry
9/4/2007	10/23/2007	8	Grant County	D0 - Abnormally Dry
9/23/2008	10/21/2008	5	Grant County	D0 - Abnormally Dry
11/11/2008	4/28/2009	25	Grant County	D0 - Abnormally Dry
12/9/2008	3/31/2009	17	Grant County	D1 - Moderate Drought
9/15/2009	10/20/2009	6	Grant County	D0 - Abnormally Dry
9/22/2009	10/13/2009	4	Grant County	D1 - Moderate Drought
4/27/2010	5/11/2010	3	Grant County	D0 - Abnormally Dry
6/29/2010	3/8/2011	37	Grant County	D0 - Abnormally Dry
7/6/2010	11/30/2010	22	Grant County	D1 - Moderate Drought

TABLE 5.1.A DROUGHT CONDITIONS IN GRANT COUNTY				
<i>Start Date</i>	<i>End Date</i>	<i>Consecutive Weeks</i>	<i>County</i>	<i>Drought Severity</i>
8/31/2010	11/2/2010	10	Grant County	D2 - Severe Drought
9/7/2010	9/28/2010	4	Grant County	D3 - Extreme Drought
2/8/2011	3/1/2011	4	Grant County	D1 - Moderate Drought
8/2/2011	9/6/2011	6	Grant County	D0 - Abnormally Dry
3/20/2012	5/8/2012	8	Grant County	D0 - Abnormally Dry
6/19/2012	8/28/2012	11	Grant County	D0 - Abnormally Dry
11/27/2012	1/15/2013	8	Grant County	D0 - Abnormally Dry
4/16/2013	5/7/2013	4	Grant County	D0 - Abnormally Dry
11/12/2013	2/4/2014	13	Grant County	D0 - Abnormally Dry
4/22/2014	5/13/2014	4	Grant County	D0 - Abnormally Dry
9/16/2014	10/14/2014	5	Grant County	D0 - Abnormally Dry
1/20/2015	3/3/2015	7	Grant County	D0 - Abnormally Dry
9/8/2015	5/31/2016	39	Grant County	D0 - Abnormally Dry
9/13/2016	9/27/2016	3	Grant County	D0 - Abnormally Dry
11/15/2016	1/17/2017	10	Grant County	D0 - Abnormally Dry
3/21/2017	5/2/2017	7	Grant County	D0 - Abnormally Dry
10/3/2017	10/17/2017	3	Grant County	D0 - Abnormally Dry

TABLE 5.1.B DROUGHT CONDITIONS IN HAMPSHIRE COUNTY				
<i>Start Date</i>	<i>End Date</i>	<i>Consecutive Weeks</i>	<i>County</i>	<i>Drought Severity</i>
1/11/2000	2/15/2000	6	Hampshire County	D0 - Abnormally Dry
3/21/2000	5/23/2000	10	Hampshire County	D0 - Abnormally Dry
11/28/2000	12/12/2000	3	Hampshire County	D0 - Abnormally Dry
5/8/2001	5/29/2001	4	Hampshire County	D0 - Abnormally Dry
9/4/2001	5/21/2002	38	Hampshire County	D0 - Abnormally Dry
11/6/2001	5/7/2002	27	Hampshire County	D1 - Moderate Drought
2/12/2002	4/16/2002	10	Hampshire County	D2 - Severe Drought
2/26/2002	4/9/2002	7	Hampshire County	D3 - Extreme Drought
7/9/2002	7/23/2002	3	Hampshire County	D0 - Abnormally Dry
8/27/2002	11/19/2002	13	Hampshire County	D0 - Abnormally Dry
9/10/2002	10/15/2002	6	Hampshire County	D1 - Moderate Drought
8/23/2005	10/4/2005	7	Hampshire County	D0 - Abnormally Dry
9/20/2005	10/4/2005	3	Hampshire County	D1 - Moderate Drought
3/14/2006	4/25/2006	7	Hampshire County	D0 - Abnormally Dry

TABLE 5.1.B DROUGHT CONDITIONS IN HAMPSHIRE COUNTY				
<i>Start Date</i>	<i>End Date</i>	<i>Consecutive Weeks</i>	<i>County</i>	<i>Drought Severity</i>
5/9/2006	6/20/2006	7	Hampshire County	D0 - Abnormally Dry
8/15/2006	8/29/2006	3	Hampshire County	D0 - Abnormally Dry
12/19/2006	1/2/2007	3	Hampshire County	D0 - Abnormally Dry
1/30/2007	2/27/2007	5	Hampshire County	D0 - Abnormally Dry
5/29/2007	12/4/2007	28	Hampshire County	D0 - Abnormally Dry
7/17/2007	8/21/2007	6	Hampshire County	D1 - Moderate Drought
1/15/2008	3/4/2008	8	Hampshire County	D0 - Abnormally Dry
11/11/2008	12/9/2008	5	Hampshire County	D0 - Abnormally Dry
2/17/2009	5/5/2009	12	Hampshire County	D0 - Abnormally Dry
3/24/2009	4/14/2009	4	Hampshire County	D1 - Moderate Drought
9/15/2009	10/20/2009	6	Hampshire County	D0 - Abnormally Dry
9/22/2009	10/13/2009	4	Hampshire County	D1 - Moderate Drought
6/29/2010	3/8/2011	37	Hampshire County	D0 - Abnormally Dry
7/20/2010	11/30/2010	20	Hampshire County	D1 - Moderate Drought
8/3/2010	11/2/2010	14	Hampshire County	D2 - Severe Drought
9/7/2010	9/28/2010	4	Hampshire County	D3 - Extreme Drought
1/25/2011	3/1/2011	6	Hampshire County	D1 - Moderate Drought
7/26/2011	9/6/2011	7	Hampshire County	D0 - Abnormally Dry
8/2/2011	9/6/2011	6	Hampshire County	D1 - Moderate Drought
4/3/2012	5/8/2012	6	Hampshire County	D0 - Abnormally Dry
7/3/2012	8/28/2012	9	Hampshire County	D0 - Abnormally Dry
4/16/2013	5/7/2013	4	Hampshire County	D0 - Abnormally Dry
11/12/2013	12/10/2013	5	Hampshire County	D0 - Abnormally Dry
4/22/2014	5/13/2014	4	Hampshire County	D0 - Abnormally Dry
9/16/2014	10/14/2014	5	Hampshire County	D0 - Abnormally Dry
1/20/2015	3/3/2015	7	Hampshire County	D0 - Abnormally Dry
8/18/2015	9/29/2015	7	Hampshire County	D0 - Abnormally Dry
4/12/2016	5/31/2016	8	Hampshire County	D0 - Abnormally Dry
9/13/2016	9/27/2016	3	Hampshire County	D0 - Abnormally Dry
11/15/2016	1/17/2017	10	Hampshire County	D0 - Abnormally Dry

TABLE 5.1.C DROUGHT CONDITIONS IN HARDY COUNTY				
<i>Start Date</i>	<i>End Date</i>	<i>Consecutive Weeks</i>	<i>County</i>	<i>Drought Severity</i>
1/11/2000	2/15/2000	6	Hardy County	D0 - Abnormally Dry
3/21/2000	5/23/2000	10	Hardy County	D0 - Abnormally Dry
10/31/2000	11/14/2000	3	Hardy County	D0 - Abnormally Dry

TABLE 5.1.C DROUGHT CONDITIONS IN HARDY COUNTY				
Start Date	End Date	Consecutive Weeks	County	Drought Severity
11/28/2000	12/12/2000	3	Hardy County	D0 - Abnormally Dry
5/8/2001	5/22/2001	3	Hardy County	D0 - Abnormally Dry
10/23/2001	5/21/2002	31	Hardy County	D0 - Abnormally Dry
11/20/2001	5/7/2002	25	Hardy County	D1 - Moderate Drought
2/5/2002	4/16/2002	11	Hardy County	D2 - Severe Drought
2/26/2002	4/16/2002	8	Hardy County	D3 - Extreme Drought
7/9/2002	7/23/2002	3	Hardy County	D0 - Abnormally Dry
9/3/2002	11/12/2002	11	Hardy County	D0 - Abnormally Dry
9/3/2002	10/15/2002	7	Hardy County	D1 - Moderate Drought
9/10/2002	9/24/2002	3	Hardy County	D2 - Severe Drought
9/20/2005	10/4/2005	3	Hardy County	D0 - Abnormally Dry
3/14/2006	4/18/2006	6	Hardy County	D0 - Abnormally Dry
5/9/2006	6/20/2006	7	Hardy County	D0 - Abnormally Dry
8/15/2006	8/29/2006	3	Hardy County	D0 - Abnormally Dry
12/19/2006	1/9/2007	4	Hardy County	D0 - Abnormally Dry
1/30/2007	2/27/2007	5	Hardy County	D0 - Abnormally Dry
6/12/2007	12/11/2007	27	Hardy County	D0 - Abnormally Dry
1/15/2008	3/4/2008	8	Hardy County	D0 - Abnormally Dry
11/11/2008	5/5/2009	26	Hardy County	D0 - Abnormally Dry
12/9/2008	4/14/2009	19	Hardy County	D1 - Moderate Drought
9/15/2009	10/20/2009	6	Hardy County	D0 - Abnormally Dry
9/22/2009	10/13/2009	4	Hardy County	D1 - Moderate Drought
6/29/2010	3/8/2011	37	Hardy County	D0 - Abnormally Dry
7/6/2010	11/30/2010	22	Hardy County	D1 - Moderate Drought
8/3/2010	11/2/2010	14	Hardy County	D2 - Severe Drought
9/7/2010	9/28/2010	4	Hardy County	D3 - Extreme Drought
1/25/2011	3/1/2011	6	Hardy County	D1 - Moderate Drought
7/26/2011	9/6/2011	7	Hardy County	D0 - Abnormally Dry
8/2/2011	8/30/2011	5	Hardy County	D1 - Moderate Drought
3/20/2012	5/8/2012	8	Hardy County	D0 - Abnormally Dry
7/3/2012	8/28/2012	9	Hardy County	D0 - Abnormally Dry
11/27/2012	1/29/2013	10	Hardy County	D0 - Abnormally Dry
4/16/2013	5/7/2013	4	Hardy County	D0 - Abnormally Dry
11/12/2013	12/10/2013	5	Hardy County	D0 - Abnormally Dry
4/22/2014	5/13/2014	4	Hardy County	D0 - Abnormally Dry
9/16/2014	12/23/2014	15	Hardy County	D0 - Abnormally Dry
9/8/2015	9/29/2015	4	Hardy County	D0 - Abnormally Dry
4/12/2016	5/31/2016	8	Hardy County	D0 - Abnormally Dry

TABLE 5.1.C DROUGHT CONDITIONS IN HARDY COUNTY				
<i>Start Date</i>	<i>End Date</i>	<i>Consecutive Weeks</i>	<i>County</i>	<i>Drought Severity</i>
9/13/2016	9/27/2016	3	Hardy County	D0 - Abnormally Dry
11/8/2016	1/17/2017	11	Hardy County	D0 - Abnormally Dry
10/3/2017	10/17/2017	3	Hardy County	D0 - Abnormally Dry

TABLE 5.1.D DROUGHT CONDITIONS IN MINERAL COUNTY				
<i>Start Date</i>	<i>End Date</i>	<i>Consecutive Weeks</i>	<i>County</i>	<i>Drought Severity</i>
1/11/2000	2/15/2000	6	Mineral County	D0 - Abnormally Dry
3/21/2000	5/23/2000	10	Mineral County	D0 - Abnormally Dry
11/28/2000	12/12/2000	3	Mineral County	D0 - Abnormally Dry
5/8/2001	5/29/2001	4	Mineral County	D0 - Abnormally Dry
9/4/2001	5/7/2002	36	Mineral County	D0 - Abnormally Dry
11/6/2001	1/8/2002	10	Mineral County	D1 - Moderate Drought
1/22/2002	4/23/2002	14	Mineral County	D1 - Moderate Drought
2/12/2002	4/16/2002	10	Mineral County	D2 - Severe Drought
3/12/2002	3/26/2002	3	Mineral County	D3 - Extreme Drought
7/9/2002	7/23/2002	3	Mineral County	D0 - Abnormally Dry
9/3/2002	10/22/2002	8	Mineral County	D0 - Abnormally Dry
9/10/2002	9/24/2002	3	Mineral County	D1 - Moderate Drought
9/6/2005	11/8/2005	10	Mineral County	D0 - Abnormally Dry
9/20/2005	10/4/2005	3	Mineral County	D1 - Moderate Drought
3/14/2006	4/18/2006	6	Mineral County	D0 - Abnormally Dry
5/9/2006	6/20/2006	7	Mineral County	D0 - Abnormally Dry
12/19/2006	1/9/2007	4	Mineral County	D0 - Abnormally Dry
1/30/2007	2/27/2007	5	Mineral County	D0 - Abnormally Dry
5/29/2007	11/20/2007	26	Mineral County	D0 - Abnormally Dry
11/11/2008	12/16/2008	6	Mineral County	D0 - Abnormally Dry
3/24/2009	4/28/2009	6	Mineral County	D0 - Abnormally Dry
9/15/2009	10/20/2009	6	Mineral County	D0 - Abnormally Dry
9/22/2009	10/13/2009	4	Mineral County	D1 - Moderate Drought
6/29/2010	3/1/2011	36	Mineral County	D0 - Abnormally Dry
7/27/2010	11/30/2010	19	Mineral County	D1 - Moderate Drought
8/31/2010	11/2/2010	10	Mineral County	D2 - Severe Drought
9/7/2010	9/28/2010	4	Mineral County	D3 - Extreme Drought
7/26/2011	9/6/2011	7	Mineral County	D0 - Abnormally Dry
8/2/2011	8/30/2011	5	Mineral County	D1 - Moderate Drought
4/3/2012	5/8/2012	6	Mineral County	D0 - Abnormally Dry

TABLE 5.1.D DROUGHT CONDITIONS IN MINERAL COUNTY				
<i>Start Date</i>	<i>End Date</i>	<i>Consecutive Weeks</i>	<i>County</i>	<i>Drought Severity</i>
6/19/2012	8/28/2012	11	Mineral County	D0 - Abnormally Dry
4/16/2013	5/7/2013	4	Mineral County	D0 - Abnormally Dry
11/12/2013	2/4/2014	13	Mineral County	D0 - Abnormally Dry
4/22/2014	5/13/2014	4	Mineral County	D0 - Abnormally Dry
9/16/2014	10/14/2014	5	Mineral County	D0 - Abnormally Dry
11/25/2014	3/3/2015	15	Mineral County	D0 - Abnormally Dry
8/18/2015	5/31/2016	42	Mineral County	D0 - Abnormally Dry
4/26/2016	5/17/2016	4	Mineral County	D1 - Moderate Drought
9/13/2016	9/27/2016	3	Mineral County	D0 - Abnormally Dry
11/15/2016	1/3/2017	8	Mineral County	D0 - Abnormally Dry

TABLE 5.1.E DROUGHT CONDITIONS IN PENDLETON COUNTY				
<i>Start Date</i>	<i>End Date</i>	<i>Consecutive Weeks</i>	<i>County</i>	<i>Drought Severity</i>
1/4/2000	2/15/2000	7	Pendleton County	D0 - Abnormally Dry
3/14/2000	5/23/2000	11	Pendleton County	D0 - Abnormally Dry
10/31/2000	12/12/2000	7	Pendleton County	D0 - Abnormally Dry
5/8/2001	5/22/2001	3	Pendleton County	D0 - Abnormally Dry
10/30/2001	5/21/2002	30	Pendleton County	D0 - Abnormally Dry
11/20/2001	4/30/2002	24	Pendleton County	D1 - Moderate Drought
1/29/2002	4/16/2002	12	Pendleton County	D2 - Severe Drought
3/12/2002	4/9/2002	5	Pendleton County	D3 - Extreme Drought
6/25/2002	7/23/2002	5	Pendleton County	D0 - Abnormally Dry
8/6/2002	11/12/2002	15	Pendleton County	D0 - Abnormally Dry
9/3/2002	10/15/2002	7	Pendleton County	D1 - Moderate Drought
9/10/2002	9/24/2002	3	Pendleton County	D2 - Severe Drought
9/20/2005	11/8/2005	8	Pendleton County	D0 - Abnormally Dry
3/14/2006	4/18/2006	6	Pendleton County	D0 - Abnormally Dry
5/9/2006	6/20/2006	7	Pendleton County	D0 - Abnormally Dry
8/15/2006	8/29/2006	3	Pendleton County	D0 - Abnormally Dry
12/19/2006	2/27/2007	11	Pendleton County	D0 - Abnormally Dry
6/19/2007	8/28/2007	11	Pendleton County	D0 - Abnormally Dry
9/18/2007	10/23/2007	6	Pendleton County	D0 - Abnormally Dry
8/19/2008	4/28/2009	37	Pendleton County	D0 - Abnormally Dry

TABLE 5.1.E DROUGHT CONDICTIONS IN PENDLETON COUNTY				
Start Date	End Date	Consecutive Weeks	County	Drought Severity
12/9/2008	3/31/2009	17	Pendleton County	D1 - Moderate Drought
9/15/2009	10/20/2009	6	Pendleton County	D0 - Abnormally Dry
6/29/2010	4/5/2011	41	Pendleton County	D0 - Abnormally Dry
7/6/2010	11/2/2010	18	Pendleton County	D1 - Moderate Drought
1/25/2011	3/1/2011	6	Pendleton County	D1 - Moderate Drought
8/23/2011	9/6/2011	3	Pendleton County	D0 - Abnormally Dry
3/20/2012	5/8/2012	8	Pendleton County	D0 - Abnormally Dry
6/19/2012	7/24/2012	6	Pendleton County	D0 - Abnormally Dry
11/27/2012	3/5/2013	15	Pendleton County	D0 - Abnormally Dry
1/1/2013	1/29/2013	5	Pendleton County	D1 - Moderate Drought
11/5/2013	1/7/2014	10	Pendleton County	D0 - Abnormally Dry
7/22/2014	12/23/2014	23	Pendleton County	D0 - Abnormally Dry
9/1/2015	2/9/2016	24	Pendleton County	D0 - Abnormally Dry
3/8/2016	5/31/2016	13	Pendleton County	D0 - Abnormally Dry
9/13/2016	9/27/2016	3	Pendleton County	D0 - Abnormally Dry
11/8/2016	1/17/2017	11	Pendleton County	D0 - Abnormally Dry
2/28/2017	5/23/2017	13	Pendleton County	D0 - Abnormally Dry
3/21/2017	5/2/2017	7	Pendleton County	D1 - Moderate Drought
10/3/2017	10/17/2017	3	Pendleton County	D0 - Abnormally Dry

SHELDUS DROUGHT DATA

TABLE 5.1.F SHELDUS DROUGHT DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Grant	Drought	1977	5	\$916,491	0	0	0
Grant	Drought	1997	7	\$0	0	0	0
Grant	Drought	1999	8	\$1,283,473	0	0	0
Hampshire	Drought	1977	5	\$916,491	0	0	0
Hampshire	Drought	1997	7	\$0	0	0	0
Hampshire	Drought	1998	9	\$494,743	0	0	0
Hampshire	Drought	1999	8	\$1,283,473	0	0	0
Hardy	Drought	1977	5	\$916,491	0	0	0
Hardy	Drought	1997	7	\$0	0	0	0
Hardy	Drought	1998	9	\$494,743	0	0	0
Hardy	Drought	1999	8	\$1,283,473	0	0	0
Mineral	Drought	1977	5	\$916,491	0	0	0

Mineral	Drought	1997	7	\$0	0	0	0
Mineral	Drought	1999	8	\$1,283,473	0	0	0
Pendleton	Drought	1977	5	\$916,491	0	0	0
Pendleton	Drought	1998	9	\$494,743	0	0	0
Pendleton	Drought	1999	8	\$1,283,473	0	0	0
Totals				\$12,484,050	0	0	0

SHELDUS SEVERE SUMMER WEATHER EVENT DATA

Data is organized by county, then by date.

TABLE 5.1.G SHELDUS HAIL DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Grant	Hail	1964	4	\$2	\$24	0	0
Grant	Hail	1969	6	\$0	\$303	0	0
Grant	Hail	1970	9	\$0	\$29,159	0.0475	0
Grant	Hail	1975	7	\$27,037	\$270	0	0
Grant	Hail	1976	7	\$13	\$1,278	0.025	0
Grant	Hail	1979	6	\$31	\$31	0	0
Grant	Hail	1986	7	\$0	\$68	0	0
Hampshire	Hail	1964	4	\$2	\$24	0	0
Hampshire	Hail	1969	6	\$0	\$303	0	0
Hampshire	Hail	1970	9	\$0	\$29,159	0.0475	0
Hampshire	Hail	1975	7	\$27,037	\$270	0	0
Hampshire	Hail	1976	7	\$13	\$1,278	0.025	0
Hampshire	Hail	1979	6	\$31	\$31	0	0
Hampshire	Hail	1986	7	\$0	\$68	0	0
Hampshire	Hail	1993	7	\$0	\$8,456	0	0
Hampshire	Hail	1993	9	\$846	\$846	0	0
Hampshire	Hail	1998	6	\$74,961	\$7,496	0	0
Hardy	Hail	1964	4	\$2	\$24	0	0
Hardy	Hail	1969	6	\$0	\$303	0	0
Hardy	Hail	1970	9	\$0	\$29,159	0.0475	0
Hardy	Hail	1975	7	\$27,037	\$270	0	0
Hardy	Hail	1976	7	\$13	\$1,278	0.025	0
Hardy	Hail	1979	6	\$31	\$31	0	0
Hardy	Hail	1986	7	\$0	\$68	0	0
Hardy	Hail	2010	6	\$0	\$1,121	0	0
Mineral	Hail	1964	4	\$2	\$24	0	0
Mineral	Hail	1969	6	\$0	\$303	0	0
Mineral	Hail	1970	9	\$0	\$29,159	0.0475	0
Mineral	Hail	1975	7	\$27,037	\$270	0	0

TABLE 5.1.G SHELDUS HAIL DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Mineral	Hail	1976	7	\$13	\$1,278	0.025	0
Mineral	Hail	1979	6	\$31	\$31	0	0
Mineral	Hail	1986	7	\$0	\$68	0	0
Mineral	Hail	1993	7	\$0	\$8,456	0	0
Mineral	Hail	1998	6	\$4,498	\$0	0	0
Mineral	Hail	2008	6	\$0	\$22,700	0	0
Pendleton	Hail	1964	4	\$2	\$24	0	0
Pendleton	Hail	1969	6	\$0	\$303	0	0
Pendleton	Hail	1970	9	\$0	\$29,159	0.0475	0
Pendleton	Hail	1975	7	\$27,037	\$270	0	0
Pendleton	Hail	1976	7	\$13	\$1,278	0.025	0
Pendleton	Hail	1979	6	\$31	\$31	0	0
Pendleton	Hail	1986	7	\$0	\$68	0	0
Total				\$215,719	\$204,734	0	0

TABLE 5.1.H SHELDUS LIGHTNING DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Grant	Lightning	1964	4	\$2	\$24	0	0
Grant	Lightning	1966	7	\$0	\$3,428	0	0
Grant	Lightning	1966	8	\$0	\$686	0.02	0
Grant	Lightning	1970	9	\$0	\$29,159	0.0475	0
Grant	Lightning	1976	6	\$0	\$1,952	0	0
Grant	Lightning	1976	7	\$13	\$1,278	0.025	0
Grant	Lightning	1985	5	\$0	\$1,893	0	0
Grant	Lightning	1986	7	\$0	\$68	0	0
Grant	Lightning	2005	4	\$0	\$0	1	0
Hampshire	Lightning	1964	4	\$2	\$24	0	0
Hampshire	Lightning	1966	7	\$0	\$3,428	0	0
Hampshire	Lightning	1966	8	\$0	\$686	0.02	0
Hampshire	Lightning	1970	9	\$0	\$29,159	0.0475	0
Hampshire	Lightning	1976	6	\$0	\$1,952	0	0
Hampshire	Lightning	1976	7	\$13	\$1,278	0.025	0
Hampshire	Lightning	1986	7	\$0	\$68	0	0
Hardy	Lightning	1964	4	\$2	\$24	0	0
Hardy	Lightning	1966	7	\$0	\$3,428	0	0
Hardy	Lightning	1966	8	\$0	\$686	0.02	0
Hardy	Lightning	1970	9	\$0	\$29,159	0.0475	0
Hardy	Lightning	1976	6	\$0	\$1,952	0	0
Hardy	Lightning	1976	7	\$13	\$1,278	0.025	0

TABLE 5.1.H SHELDUS LIGHTNING DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Hardy	Lightning	1986	7	\$0	\$68	0	0
Mineral	Lightning	1964	4	\$2	\$24	0	0
Mineral	Lightning	1966	7	\$0	\$3,428	0	0
Mineral	Lightning	1966	8	\$0	\$686	0.02	0
Mineral	Lightning	1970	9	\$0	\$29,159	0.0475	0
Mineral	Lightning	1976	6	\$0	\$1,952	0	0
Mineral	Lightning	1976	7	\$13	\$1,278	0.025	0
Mineral	Lightning	1980	7	\$0	\$14,828	0	0
Mineral	Lightning	1986	7	\$0	\$68	0	0
Mineral	Lightning	1991	9	\$0	\$8,971	0	0
Mineral	Lightning	1995	7	\$0	\$32,070	0	0
Pendleton	Lightning	1964	4	\$2	\$24	0	0
Pendleton	Lightning	1966	7	\$0	\$3,428	0	0
Pendleton	Lightning	1966	8	\$0	\$686	0.02	0
Pendleton	Lightning	1970	9	\$0	\$29,159	0.0475	0
Pendleton	Lightning	1976	6	\$0	\$1,952	0	0
Pendleton	Lightning	1976	7	\$13	\$1,278	0.025	0
Pendleton	Lightning	1986	7	\$0	\$68	0	0
Total				\$76	\$240,735	1.4625	0

TABLE 5.1.I SHELDUS SEVERE STORM/THUNDER STORM DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Grant	Severe Storm/Thunder Storm	1960	8	\$751	\$751	0	0.02
Grant	Severe Storm/Thunder Storm	1964	6	\$0	\$717	0	0
Grant	Severe Storm/Thunder Storm	1965	4	\$0	\$353	0.01	0
Grant	Severe Storm/Thunder Storm	1965	10	\$0	\$4	0	0
Grant	Severe Storm/Thunder Storm	1967	3	\$0	\$332,571	0	0.025
Grant	Severe Storm/Thunder Storm	1969	6	\$3,329	\$33,293	0	0
Grant	Severe Storm/Thunder Storm	1970	9	\$0	\$29,159	0.0475	0
Grant	Severe Storm/Thunder Storm	1975	7	\$27,037	\$270	0	0
Grant	Severe Storm/Thunder Storm	1976	7	\$13	\$1,278	0.025	0
Grant	Severe Storm/Thunder Storm	1979	8	\$0	\$306	0.01	0
Grant	Severe Storm/Thunder Storm	1980	7	\$0	\$175	0	0
Grant	Severe Storm/Thunder Storm	1980	8	\$0	\$27	0	0
Grant	Severe Storm/Thunder Storm	1980	9	\$13	\$13	0	0
Grant	Severe Storm/Thunder Storm	1981	5	\$1	\$1,344	0	0
Grant	Severe Storm/Thunder Storm	1982	3	\$0	\$230	0	0
Grant	Severe Storm/Thunder Storm	1985	5	\$0	\$1,893	0	0
Grant	Severe Storm/Thunder Storm	1991	4	\$0	\$449	0	0
Grant	Severe Storm/Thunder Storm	1998	8	\$0	\$2,249	0	0
Grant	Severe Storm/Thunder Storm	1999	9	\$0	\$3,667	0	0
Grant	Severe Storm/Thunder Storm	2000	7	\$0	\$7,096	0	0



TABLE 5.1.I SHELDUS SEVERE STORM/THUNDER STORM DATA

County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Grant	Severe Storm/Thunder Storm	2000	8	\$0	\$7,096	0	0
Grant	Severe Storm/Thunder Storm	2002	4	\$0	\$340	0	0
Grant	Severe Storm/Thunder Storm	2002	5	\$0	\$1,358	0	0
Grant	Severe Storm/Thunder Storm	2003	7	\$0	\$1,992	0	0
Grant	Severe Storm/Thunder Storm	2003	8	\$0	\$664	0	0
Grant	Severe Storm/Thunder Storm	2004	5	\$0	\$4,528	0	0
Grant	Severe Storm/Thunder Storm	2007	6	\$0	\$1,768	0	0
Grant	Severe Storm/Thunder Storm	2007	9	\$0	\$589	0	0
Grant	Severe Storm/Thunder Storm	2008	6	\$0	\$9,648	0	0
Grant	Severe Storm/Thunder Storm	2008	7	\$0	\$568	0	0
Grant	Severe Storm/Thunder Storm	2010	8	\$0	\$3,922	0	0
Grant	Severe Storm/Thunder Storm	2011	4	\$0	\$6,518	0	0
Grant	Severe Storm/Thunder Storm	2011	5	\$0	\$543	0	0
Grant	Severe Storm/Thunder Storm	2011	7	\$0	\$1,630	0	0
Grant	Severe Storm/Thunder Storm	2012	6	\$0	\$6,386	0	0
Grant	Severe Storm/Thunder Storm	2012	7	\$0	\$532	0	0
Grant	Severe Storm/Thunder Storm	2012	8	\$0	\$266	0	0
Grant	Severe Storm/Thunder Storm	2013	7	\$262	\$0	0	0
Grant	Severe Storm/Thunder Storm	2013	12	\$262	\$0	0	0
Grant	Severe Storm/Thunder Storm	2014	6	\$0	\$5,161	0	0
Grant	Severe Storm/Thunder Storm	2014	7	\$3,355	\$1,032	0	0
Grant	Severe Storm/Thunder Storm	2016	6	\$0	\$0	0	0
Hampshire	Severe Storm/Thunder Storm	1960	8	\$751	\$751	0	0.02
Hampshire	Severe Storm/Thunder Storm	1964	6	\$0	\$717	0	0
Hampshire	Severe Storm/Thunder Storm	1965	4	\$0	\$353	0.01	0
Hampshire	Severe Storm/Thunder Storm	1965	10	\$0	\$4	0	0
Hampshire	Severe Storm/Thunder Storm	1967	3	\$0	\$332,571	0	0.025
Hampshire	Severe Storm/Thunder Storm	1970	9	\$0	\$29,159	0.0475	0
Hampshire	Severe Storm/Thunder Storm	1975	7	\$27,037	\$270	0	0
Hampshire	Severe Storm/Thunder Storm	1976	7	\$13	\$1,278	0.025	0
Hampshire	Severe Storm/Thunder Storm	1979	8	\$0	\$306	0.01	0
Hampshire	Severe Storm/Thunder Storm	1980	6	\$6	\$741	0	0
Hampshire	Severe Storm/Thunder Storm	1980	7	\$11	\$289	0	0
Hampshire	Severe Storm/Thunder Storm	1980	8	\$0	\$27	0	0
Hampshire	Severe Storm/Thunder Storm	1980	9	\$19	\$185	0	0
Hampshire	Severe Storm/Thunder Storm	1981	5	\$1	\$1,344	0	0
Hampshire	Severe Storm/Thunder Storm	1982	3	\$0	\$230	0	0
Hampshire	Severe Storm/Thunder Storm	1983	7	\$0	\$61	0	0
Hampshire	Severe Storm/Thunder Storm	1990	6	\$0	\$47	0	0
Hampshire	Severe Storm/Thunder Storm	1991	4	\$0	\$449	0	0
Hampshire	Severe Storm/Thunder Storm	1993	7	\$0	\$169	0	0
Hampshire	Severe Storm/Thunder Storm	1993	9	\$846	\$8,456	1	0
Hampshire	Severe Storm/Thunder Storm	1996	6	\$0	\$58,407	0	0
Hampshire	Severe Storm/Thunder Storm	1996	7	\$0	\$7,788	0	0
Hampshire	Severe Storm/Thunder Storm	1997	8	\$0	\$3,806	0	0



TABLE 5.1.I SHELDUS SEVERE STORM/THUNDER STORM DATA

County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Hampshire	Severe Storm/Thunder Storm	1999	4	\$0	\$367	0	0
Hampshire	Severe Storm/Thunder Storm	1999	5	\$0	\$11,001	0	0
Hampshire	Severe Storm/Thunder Storm	2000	7	\$0	\$710	0	0
Hampshire	Severe Storm/Thunder Storm	2000	8	\$0	\$3,548	0	0
Hampshire	Severe Storm/Thunder Storm	2001	7	\$0	\$690	0	0
Hampshire	Severe Storm/Thunder Storm	2002	5	\$0	\$3,396	0	0
Hampshire	Severe Storm/Thunder Storm	2002	7	\$0	\$1,358	0	0
Hampshire	Severe Storm/Thunder Storm	2003	7	\$0	\$1,992	0	0
Hampshire	Severe Storm/Thunder Storm	2004	5	\$0	\$5,821	0	0
Hampshire	Severe Storm/Thunder Storm	2006	7	\$0	\$30,304	0	0
Hampshire	Severe Storm/Thunder Storm	2006	9	\$0	\$12,122	0	0
Hampshire	Severe Storm/Thunder Storm	2007	6	\$0	\$2,947	0	0
Hampshire	Severe Storm/Thunder Storm	2007	7	\$0	\$1,179	0	0
Hampshire	Severe Storm/Thunder Storm	2008	4	\$0	\$1,703	0	0
Hampshire	Severe Storm/Thunder Storm	2008	6	\$0	\$64,129	0	0
Hampshire	Severe Storm/Thunder Storm	2008	7	\$0	\$2,838	0	0
Hampshire	Severe Storm/Thunder Storm	2010	6	\$0	\$560	0	0
Hampshire	Severe Storm/Thunder Storm	2010	7	\$0	\$2,802	0	0
Hampshire	Severe Storm/Thunder Storm	2010	8	\$0	\$31,379	0	0
Hampshire	Severe Storm/Thunder Storm	2010	9	\$0	\$560	0	0
Hampshire	Severe Storm/Thunder Storm	2011	3	\$0	\$1,086	0	0
Hampshire	Severe Storm/Thunder Storm	2011	4	\$0	\$1,086	0	0
Hampshire	Severe Storm/Thunder Storm	2011	6	\$0	\$8,148	0	0
Hampshire	Severe Storm/Thunder Storm	2011	7	\$0	\$4,889	0	0
Hampshire	Severe Storm/Thunder Storm	2011	8	\$0	\$543	0	0
Hampshire	Severe Storm/Thunder Storm	2011	9	\$0	\$543	0	0
Hampshire	Severe Storm/Thunder Storm	2012	6	\$0	\$16,232	0	0
Hampshire	Severe Storm/Thunder Storm	2012	7	\$0	\$1,597	0	0
Hampshire	Severe Storm/Thunder Storm	2013	5	\$262	\$0	0	0
Hampshire	Severe Storm/Thunder Storm	2013	7	\$525	\$0	0	0
Hampshire	Severe Storm/Thunder Storm	2013	11	\$0	\$525	0	0
Hampshire	Severe Storm/Thunder Storm	2014	5	\$129	\$0	0	0
Hampshire	Severe Storm/Thunder Storm	2014	6	\$129	\$0	0	0
Hampshire	Severe Storm/Thunder Storm	2014	7	\$903	\$0	0	0
Hampshire	Severe Storm/Thunder Storm	2014	8	\$129	\$0	0	0
Hampshire	Severe Storm/Thunder Storm	2014	9	\$387	\$0	0	0
Hampshire	Severe Storm/Thunder Storm	2015	5	\$0	\$1,031	0	0
Hampshire	Severe Storm/Thunder Storm	2015	6	\$0	\$1,547	0	0
Hampshire	Severe Storm/Thunder Storm	2015	9	\$0	\$516	0	0
Hardy	Severe Storm/Thunder Storm	1960	8	\$751	\$751	0	0.02
Hardy	Severe Storm/Thunder Storm	1964	6	\$0	\$717	0	0
Hardy	Severe Storm/Thunder Storm	1965	4	\$0	\$353	0.01	0
Hardy	Severe Storm/Thunder Storm	1965	10	\$0	\$4	0	0
Hardy	Severe Storm/Thunder Storm	1967	3	\$0	\$332,571	0	0.025
Hardy	Severe Storm/Thunder Storm	1967	6	\$3,658	\$36,583	0	0



TABLE 5.1.I SHELDUS SEVERE STORM/THUNDER STORM DATA

County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Hardy	Severe Storm/Thunder Storm	1970	5	\$3,149	\$31,491	0	0
Hardy	Severe Storm/Thunder Storm	1970	9	\$0	\$29,159	0.0475	0
Hardy	Severe Storm/Thunder Storm	1975	7	\$27,037	\$270	0	0
Hardy	Severe Storm/Thunder Storm	1976	7	\$13	\$1,278	0.025	0
Hardy	Severe Storm/Thunder Storm	1979	8	\$0	\$306	0.01	0
Hardy	Severe Storm/Thunder Storm	1980	7	\$0	\$175	0	0
Hardy	Severe Storm/Thunder Storm	1980	8	\$0	\$27	0	0
Hardy	Severe Storm/Thunder Storm	1980	9	\$13	\$13	0	0
Hardy	Severe Storm/Thunder Storm	1981	5	\$1	\$1,344	0	0
Hardy	Severe Storm/Thunder Storm	1982	3	\$0	\$230	0	0
Hardy	Severe Storm/Thunder Storm	1991	4	\$0	\$449	0	0
Hardy	Severe Storm/Thunder Storm	1992	6	\$0	\$871	0	0
Hardy	Severe Storm/Thunder Storm	1995	7	\$0	\$6,414	0	0
Hardy	Severe Storm/Thunder Storm	1997	6	\$0	\$1,523	0	0
Hardy	Severe Storm/Thunder Storm	1998	6	\$0	\$7,496	0	0
Hardy	Severe Storm/Thunder Storm	2000	6	\$0	\$7,805	0	0
Hardy	Severe Storm/Thunder Storm	2000	7	\$0	\$7,805	0	0
Hardy	Severe Storm/Thunder Storm	2000	8	\$0	\$7,096	0	0
Hardy	Severe Storm/Thunder Storm	2001	8	\$0	\$345	0	0
Hardy	Severe Storm/Thunder Storm	2002	5	\$0	\$340	0	0
Hardy	Severe Storm/Thunder Storm	2002	8	\$0	\$1,358	0	0
Hardy	Severe Storm/Thunder Storm	2003	6	\$0	\$664	0	0
Hardy	Severe Storm/Thunder Storm	2003	8	\$0	\$664	0	0
Hardy	Severe Storm/Thunder Storm	2004	5	\$0	\$647	0	0
Hardy	Severe Storm/Thunder Storm	2007	6	\$0	\$1,179	0	0
Hardy	Severe Storm/Thunder Storm	2007	8	\$0	\$589	0	0
Hardy	Severe Storm/Thunder Storm	2008	6	\$0	\$2,838	0	0
Hardy	Severe Storm/Thunder Storm	2008	7	\$0	\$1,703	0	0
Hardy	Severe Storm/Thunder Storm	2010	5	\$0	\$1,681	0	0
Hardy	Severe Storm/Thunder Storm	2010	8	\$0	\$3,922	0	0
Hardy	Severe Storm/Thunder Storm	2011	4	\$0	\$4,346	0	0
Hardy	Severe Storm/Thunder Storm	2011	5	\$0	\$3,802	0	0
Hardy	Severe Storm/Thunder Storm	2011	6	\$0	\$272	0	0
Hardy	Severe Storm/Thunder Storm	2011	7	\$0	\$1,086	0	0
Hardy	Severe Storm/Thunder Storm	2011	9	\$0	\$1,086	0	0
Hardy	Severe Storm/Thunder Storm	2012	6	\$0	\$2,661	0	0
Hardy	Severe Storm/Thunder Storm	2012	7	\$0	\$5,322	0	0
Hardy	Severe Storm/Thunder Storm	2012	8	\$0	\$798	0	0
Hardy	Severe Storm/Thunder Storm	2013	6	\$1,311	\$0	0	0
Hardy	Severe Storm/Thunder Storm	2013	7	\$262	\$0	0	0
Hardy	Severe Storm/Thunder Storm	2013	8	\$131	\$0	0	0
Hardy	Severe Storm/Thunder Storm	2013	11	\$131	\$0	0	0
Hardy	Severe Storm/Thunder Storm	2014	6	\$8,903	\$20,645	0	0
Hardy	Severe Storm/Thunder Storm	2014	7	\$1,419	\$1,032	0	0
Hardy	Severe Storm/Thunder Storm	2014	10	\$0	\$1,032	0	0



TABLE 5.1.I SHELDUS SEVERE STORM/THUNDER STORM DATA

County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Hardy	Severe Storm/Thunder Storm	2015	6	\$0	\$516	0	0
Mineral	Severe Storm/Thunder Storm	1960	8	\$751	\$751	0	0.02
Mineral	Severe Storm/Thunder Storm	1964	6	\$0	\$717	0	0
Mineral	Severe Storm/Thunder Storm	1964	8	\$0	\$1,971	0	0
Mineral	Severe Storm/Thunder Storm	1965	4	\$0	\$353	0.01	0
Mineral	Severe Storm/Thunder Storm	1965	10	\$0	\$4	0	0
Mineral	Severe Storm/Thunder Storm	1967	3	\$0	\$332,571	0	0.025
Mineral	Severe Storm/Thunder Storm	1970	9	\$0	\$29,159	0.0475	0
Mineral	Severe Storm/Thunder Storm	1975	7	\$27,037	\$270	0	0
Mineral	Severe Storm/Thunder Storm	1976	7	\$13	\$1,278	0.025	0
Mineral	Severe Storm/Thunder Storm	1979	8	\$0	\$306	0.01	0
Mineral	Severe Storm/Thunder Storm	1980	6	\$6	\$741	0	0
Mineral	Severe Storm/Thunder Storm	1980	7	\$11	\$289	0	0
Mineral	Severe Storm/Thunder Storm	1980	8	\$0	\$27	0	0
Mineral	Severe Storm/Thunder Storm	1980	9	\$19	\$185	0	0
Mineral	Severe Storm/Thunder Storm	1981	5	\$1	\$1,344	0	0
Mineral	Severe Storm/Thunder Storm	1982	3	\$0	\$230	0	0
Mineral	Severe Storm/Thunder Storm	1991	4	\$0	\$4,486	0.5	0
Mineral	Severe Storm/Thunder Storm	1992	7	\$0	\$87	0	0
Mineral	Severe Storm/Thunder Storm	1993	7	\$0	\$85	0	0
Mineral	Severe Storm/Thunder Storm	1995	7	\$0	\$2,405	0	0
Mineral	Severe Storm/Thunder Storm	1997	5	\$0	\$20,555	0	0
Mineral	Severe Storm/Thunder Storm	1997	6	\$0	\$1,523	0	0
Mineral	Severe Storm/Thunder Storm	1997	7	\$0	\$4,568	0	0
Mineral	Severe Storm/Thunder Storm	1997	8	\$0	\$10,658	0	0
Mineral	Severe Storm/Thunder Storm	2000	6	\$0	\$1,419	0	0
Mineral	Severe Storm/Thunder Storm	2000	8	\$0	\$1,419	0	0
Mineral	Severe Storm/Thunder Storm	2000	11	\$0	\$355	0	0
Mineral	Severe Storm/Thunder Storm	2001	4	\$0	\$6,899	0	0
Mineral	Severe Storm/Thunder Storm	2001	7	\$0	\$345	0	0
Mineral	Severe Storm/Thunder Storm	2002	5	\$0	\$4,075	0	0
Mineral	Severe Storm/Thunder Storm	2002	8	\$0	\$3,396	0	0
Mineral	Severe Storm/Thunder Storm	2003	7	\$0	\$1,660	0	0
Mineral	Severe Storm/Thunder Storm	2003	8	\$0	\$1,992	0	0
Mineral	Severe Storm/Thunder Storm	2004	5	\$0	\$9,702	0	0
Mineral	Severe Storm/Thunder Storm	2006	6	\$0	\$3,030	0	0
Mineral	Severe Storm/Thunder Storm	2007	6	\$0	\$2,947	0	0
Mineral	Severe Storm/Thunder Storm	2007	7	\$0	\$589	0	0
Mineral	Severe Storm/Thunder Storm	2008	6	\$0	\$13,620	0	0
Mineral	Severe Storm/Thunder Storm	2008	7	\$0	\$5,108	0	0
Mineral	Severe Storm/Thunder Storm	2010	6	\$0	\$1,121	0	0
Mineral	Severe Storm/Thunder Storm	2010	8	\$0	\$5,603	0	0
Mineral	Severe Storm/Thunder Storm	2012	5	\$0	\$1,064	0	0
Mineral	Severe Storm/Thunder Storm	2012	6	\$0	\$4,257	0	0
Mineral	Severe Storm/Thunder Storm	2012	7	\$0	\$2,129	0	0



TABLE 5.1.I SHELDUS SEVERE STORM/THUNDER STORM DATA

County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Mineral	Severe Storm/Thunder Storm	2013	5	\$525	\$0	0	0
Mineral	Severe Storm/Thunder Storm	2013	8	\$262	\$0	0	0
Mineral	Severe Storm/Thunder Storm	2013	11	\$131	\$0	0	0
Mineral	Severe Storm/Thunder Storm	2014	9	\$1,290	\$2,065	0	0
Mineral	Severe Storm/Thunder Storm	2015	6	\$0	\$516	0	0
Mineral	Severe Storm/Thunder Storm	2015	8	\$0	\$1,031	0	0
Mineral	Severe Storm/Thunder Storm	2015	9	\$0	\$1,031	0	0
Pendleton	Severe Storm/Thunder Storm	1960	8	\$751	\$751	0	0.02
Pendleton	Severe Storm/Thunder Storm	1964	6	\$0	\$717	0	0
Pendleton	Severe Storm/Thunder Storm	1965	4	\$0	\$353	0.01	0
Pendleton	Severe Storm/Thunder Storm	1965	10	\$0	\$4	0	0
Pendleton	Severe Storm/Thunder Storm	1967	3	\$0	\$332,571	0	0.025
Pendleton	Severe Storm/Thunder Storm	1970	9	\$0	\$29,159	0.0475	0
Pendleton	Severe Storm/Thunder Storm	1975	7	\$27,037	\$270	0	0
Pendleton	Severe Storm/Thunder Storm	1976	7	\$13	\$1,278	0.025	0
Pendleton	Severe Storm/Thunder Storm	1979	8	\$0	\$306	0.01	0
Pendleton	Severe Storm/Thunder Storm	1980	7	\$0	\$175	0	0
Pendleton	Severe Storm/Thunder Storm	1980	8	\$0	\$27	0	0
Pendleton	Severe Storm/Thunder Storm	1980	9	\$13	\$13	0	0
Pendleton	Severe Storm/Thunder Storm	1981	5	\$1	\$1,344	0	0
Pendleton	Severe Storm/Thunder Storm	1982	3	\$0	\$230	0	0
Pendleton	Severe Storm/Thunder Storm	1991	4	\$0	\$449	0	0
Pendleton	Severe Storm/Thunder Storm	1996	5	\$0	\$779	0	0
Pendleton	Severe Storm/Thunder Storm	1998	6	\$0	\$1,499	0	0
Pendleton	Severe Storm/Thunder Storm	1999	4	\$0	\$367	0	0
Pendleton	Severe Storm/Thunder Storm	2000	8	\$0	\$3,548	0	0
Pendleton	Severe Storm/Thunder Storm	2002	8	\$0	\$340	0	0
Pendleton	Severe Storm/Thunder Storm	2004	5	\$0	\$970	0	0
Pendleton	Severe Storm/Thunder Storm	2004	6	\$0	\$3,234	0	0
Pendleton	Severe Storm/Thunder Storm	2006	7	\$0	\$15,152	0	0
Pendleton	Severe Storm/Thunder Storm	2008	6	\$0	\$11,350	0	0
Pendleton	Severe Storm/Thunder Storm	2010	6	\$0	\$2,241	0	0
Pendleton	Severe Storm/Thunder Storm	2010	8	\$0	\$560	0	0
Pendleton	Severe Storm/Thunder Storm	2011	4	\$0	\$543	0	0
Pendleton	Severe Storm/Thunder Storm	2011	9	\$0	\$543	0	0
Pendleton	Severe Storm/Thunder Storm	2012	6	\$0	\$2,661	0	0
Pendleton	Severe Storm/Thunder Storm	2013	6	\$577	\$0	0	0
Pendleton	Severe Storm/Thunder Storm	2013	7	\$131	\$0	0	0
Pendleton	Severe Storm/Thunder Storm	2013	11	\$131	\$0	0	0
Pendleton	Severe Storm/Thunder Storm	2014	7	\$258	\$0	0	0
Totals				\$171,912	\$2,569,566	2	0



TALBE 5.1.J SHELDUS TORNADO DATA							
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Crop Damage (ADJ 2016)</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Grant	Tornado	1997	6	\$22,839	\$0	0	0
Grant	Tornado	1998	8	\$0	\$22,488	0	0
Hampshire	Tornado	1998	6	\$224,883	\$179,907	5	0
Mineral	Tornado	1998	6	\$164,914	\$232,379	0	0
Pendleton	Tornado	1998	6	\$0	\$11,994	0	0
Total				\$412,636	\$446,768	5	0

TABLE 5.1.K SHELDUS WIND DATA							
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Crop Damage (ADJ 2016)</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Grant	Wind	1960	2	\$0	\$751	0	0
Grant	Wind	1964	4	\$2	\$24	0	0
Grant	Wind	1965	4	\$0	\$353	0.01	0
Grant	Wind	1965	10	\$0	\$4	0	0
Grant	Wind	1965	11	\$0	\$71	0	0
Grant	Wind	1965	12	\$0	\$388	0	0
Grant	Wind	1966	7	\$0	\$3,428	0	0
Grant	Wind	1967	2	\$0	\$6,651	0	0
Grant	Wind	1969	6	\$0	\$303	0	0
Grant	Wind	1970	6	\$0	\$31,491	0	0
Grant	Wind	1970	9	\$0	\$29,159	0.0475	0
Grant	Wind	1971	1	\$0	\$5,485	0	0
Grant	Wind	1974	12	\$0	\$0	0	0.01
Grant	Wind	1975	1	\$0	\$413	0	0.02
Grant	Wind	1975	7	\$27,037	\$270	0	0
Grant	Wind	1976	1	\$0	\$3,904	0	0
Grant	Wind	1976	6	\$0	\$1,952	0	0
Grant	Wind	1976	7	\$13	\$1,278	0.025	0
Grant	Wind	1977	5	\$0	\$16,802	0	0
Grant	Wind	1978	1	\$0	\$3,407	0	0
Grant	Wind	1979	4	\$0	\$306	0	0
Grant	Wind	1979	8	\$0	\$306	0.01	0
Grant	Wind	1980	3	\$0	\$27	0	0
Grant	Wind	1980	7	\$0	\$148	0	0
Grant	Wind	1980	9	\$13	\$13	0	0
Grant	Wind	1981	2	\$0	\$244	0	0
Grant	Wind	1981	5	\$1	\$1,344	0	0
Grant	Wind	1981	6	\$2	\$2,444	0	0
Grant	Wind	1982	4	\$0	\$1,266	0	0
Grant	Wind	1986	7	\$0	\$68	0	0
Grant	Wind	1991	4	\$0	\$449	0	0

TABLE 5.1.K SHELDUS WIND DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Grant	Wind	1992	11	\$0	\$189	0	0
Grant	Wind	1993	1	\$0	\$169	0	0
Grant	Wind	1996	9	\$97,364	\$48,672	0	0
Grant	Wind	1997	3	\$0	\$10,087	0	0
Grant	Wind	1998	8	\$0	\$2,249	0	0
Grant	Wind	1999	9	\$0	\$3,667	0	0
Grant	Wind	2000	7	\$0	\$7,096	0	0
Grant	Wind	2000	8	\$0	\$7,096	0	0
Grant	Wind	2002	3	\$0	\$3,881	0	0
Grant	Wind	2002	4	\$0	\$340	0	0
Grant	Wind	2002	5	\$0	\$1,358	0	0
Grant	Wind	2003	1	\$0	\$1,395	0	0
Grant	Wind	2003	2	\$0	\$133	0	0
Grant	Wind	2003	7	\$0	\$1,992	0	0
Grant	Wind	2003	8	\$0	\$664	0	0
Grant	Wind	2003	9	\$48,144	\$129,491	0.38	0
Grant	Wind	2003	10	\$0	\$3,984	0	0
Grant	Wind	2003	11	\$0	\$4,980	0	0
Grant	Wind	2004	5	\$0	\$4,528	0	0
Grant	Wind	2005	4	\$0	\$0	1	1
Grant	Wind	2006	1	\$0	\$96,974	0	0
Grant	Wind	2007	6	\$0	\$1,768	0	0
Grant	Wind	2007	9	\$0	\$589	0	0
Grant	Wind	2008	2	\$0	\$709	0	0
Grant	Wind	2008	6	\$0	\$9,648	0	0
Grant	Wind	2008	7	\$0	\$568	0	0
Grant	Wind	2010	8	\$0	\$3,922	0	0
Grant	Wind	2011	4	\$0	\$6,518	0	0
Grant	Wind	2011	5	\$0	\$543	0	0
Grant	Wind	2011	7	\$0	\$1,630	0	0
Grant	Wind	2012	6	\$0	\$6,386	0	0
Grant	Wind	2012	7	\$0	\$532	0	0
Grant	Wind	2012	8	\$0	\$266	0	0
Grant	Wind	2012	10	\$21,287	\$10,644	0	0
Grant	Wind	2013	7	\$262	\$0	0	0
Grant	Wind	2013	12	\$262	\$0	0	0
Grant	Wind	2014	6	\$0	\$5,161	0	0
Grant	Wind	2014	7	\$3,355	\$1,032	0	0
Grant	Wind	2016	6	\$0	\$0	0	0
Hampshire	Wind	1960	2	\$0	\$751	0	0
Hampshire	Wind	1964	4	\$2	\$24	0	0
Hampshire	Wind	1965	4	\$0	\$353	0.01	0
Hampshire	Wind	1965	10	\$0	\$4	0	0
Hampshire	Wind	1965	11	\$0	\$71	0	0
Hampshire	Wind	1966	7	\$0	\$3,428	0	0



TABLE 5.1.K SHELDUS WIND DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Hampshire	Wind	1967	2	\$0	\$6,651	0	0
Hampshire	Wind	1969	6	\$0	\$303	0	0
Hampshire	Wind	1970	9	\$0	\$29,159	0.0475	0
Hampshire	Wind	1971	1	\$0	\$5,485	0	0
Hampshire	Wind	1974	12	\$0	\$0	0	0.01
Hampshire	Wind	1975	1	\$0	\$413	0	0.02
Hampshire	Wind	1975	7	\$27,037	\$270	0	0
Hampshire	Wind	1976	1	\$0	\$3,904	0	0
Hampshire	Wind	1976	6	\$0	\$1,952	0	0
Hampshire	Wind	1976	7	\$13	\$1,278	0.025	0
Hampshire	Wind	1977	5	\$0	\$16,802	0	0
Hampshire	Wind	1978	1	\$0	\$3,407	0	0
Hampshire	Wind	1979	4	\$0	\$306	0	0
Hampshire	Wind	1979	8	\$0	\$306	0.01	0
Hampshire	Wind	1980	3	\$0	\$27	0	0
Hampshire	Wind	1980	6	\$6	\$627	0	0
Hampshire	Wind	1980	7	\$0	\$148	0	0
Hampshire	Wind	1980	8	\$0	\$1,141	0	0
Hampshire	Wind	1980	9	\$19	\$71	0	0
Hampshire	Wind	1981	2	\$0	\$244	0	0
Hampshire	Wind	1981	5	\$1	\$1,344	0	0
Hampshire	Wind	1981	6	\$2	\$2,444	0	0
Hampshire	Wind	1983	7	\$0	\$61	0	0
Hampshire	Wind	1986	7	\$0	\$68	0	0
Hampshire	Wind	1990	6	\$0	\$47	0	0
Hampshire	Wind	1991	4	\$0	\$449	0	0
Hampshire	Wind	1992	11	\$0	\$189	0	0
Hampshire	Wind	1993	1	\$0	\$169	0	0
Hampshire	Wind	1996	6	\$0	\$58,407	0	0
Hampshire	Wind	1996	7	\$0	\$7,788	0	0
Hampshire	Wind	1996	9	\$97,364	\$48,672	0	0
Hampshire	Wind	1997	3	\$0	\$21,506	0	0
Hampshire	Wind	1997	8	\$0	\$3,806	0	0
Hampshire	Wind	1999	4	\$0	\$367	0	0
Hampshire	Wind	1999	5	\$0	\$11,001	0	0
Hampshire	Wind	2000	7	\$0	\$710	0	0
Hampshire	Wind	2000	8	\$0	\$3,548	0	0
Hampshire	Wind	2001	7	\$0	\$690	0	0
Hampshire	Wind	2002	3	\$0	\$3,881	0	0
Hampshire	Wind	2002	5	\$0	\$3,396	0	0
Hampshire	Wind	2002	7	\$0	\$1,358	0	0
Hampshire	Wind	2003	2	\$0	\$133	0	0
Hampshire	Wind	2003	7	\$0	\$1,992	0	0
Hampshire	Wind	2003	9	\$48,144	\$129,491	0.38	0
Hampshire	Wind	2003	10	\$0	\$3,984	0	0

TABLE 5.1.K SHELDUS WIND DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Hampshire	Wind	2003	11	\$0	\$4,980	0	0
Hampshire	Wind	2004	5	\$0	\$5,821	0	0
Hampshire	Wind	2006	1	\$0	\$96,974	0	0
Hampshire	Wind	2006	7	\$0	\$30,304	0	0
Hampshire	Wind	2006	9	\$0	\$12,122	0	0
Hampshire	Wind	2006	10	\$0	\$20,607	0	0
Hampshire	Wind	2007	6	\$0	\$2,947	0	0
Hampshire	Wind	2007	7	\$0	\$1,179	0	0
Hampshire	Wind	2008	2	\$0	\$709	0	0
Hampshire	Wind	2008	4	\$0	\$1,703	0	0
Hampshire	Wind	2008	6	\$0	\$64,129	0	0
Hampshire	Wind	2008	7	\$0	\$2,838	0	0
Hampshire	Wind	2010	6	\$0	\$560	0	0
Hampshire	Wind	2010	7	\$0	\$2,802	0	0
Hampshire	Wind	2010	8	\$0	\$31,379	0	0
Hampshire	Wind	2010	9	\$0	\$560	0	0
Hampshire	Wind	2011	3	\$0	\$1,086	0	0
Hampshire	Wind	2011	4	\$0	\$1,086	0	0
Hampshire	Wind	2011	6	\$0	\$8,148	0	0
Hampshire	Wind	2011	7	\$0	\$4,889	0	0
Hampshire	Wind	2011	8	\$0	\$543	0	0
Hampshire	Wind	2011	9	\$0	\$543	0	0
Hampshire	Wind	2012	6	\$0	\$16,232	0	0
Hampshire	Wind	2012	7	\$0	\$1,597	0	0
Hampshire	Wind	2012	10	\$0	\$2,129	0	0
Hampshire	Wind	2013	5	\$262	\$0	0	0
Hampshire	Wind	2013	7	\$525	\$0	0	0
Hampshire	Wind	2013	11	\$0	\$525	0	0
Hampshire	Wind	2014	5	\$129	\$0	0	0
Hampshire	Wind	2014	6	\$129	\$0	0	0
Hampshire	Wind	2014	7	\$903	\$0	0	0
Hampshire	Wind	2014	8	\$129	\$0	0	0
Hampshire	Wind	2014	9	\$387	\$0	0	0
Hampshire	Wind	2015	5	\$0	\$1,031	0	0
Hampshire	Wind	2015	6	\$0	\$1,547	0	0
Hampshire	Wind	2015	9	\$0	\$516	0	0
Hardy	Wind	1960	2	\$0	\$751	0	0
Hardy	Wind	1964	4	\$2	\$24	0	0
Hardy	Wind	1965	4	\$0	\$353	0.01	0
Hardy	Wind	1965	10	\$0	\$4	0	0
Hardy	Wind	1965	11	\$0	\$71	0	0
Hardy	Wind	1966	7	\$0	\$3,428	0	0
Hardy	Wind	1967	2	\$0	\$6,651	0	0
Hardy	Wind	1969	6	\$0	\$303	0	0
Hardy	Wind	1970	9	\$0	\$29,159	0.0475	0

TABLE 5.1.K SHELDUS WIND DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Hardy	Wind	1971	1	\$0	\$5,485	0	0
Hardy	Wind	1974	12	\$0	\$0	0	0.01
Hardy	Wind	1975	1	\$0	\$413	0	0.02
Hardy	Wind	1975	7	\$27,037	\$270	0	0
Hardy	Wind	1976	1	\$0	\$3,904	0	0
Hardy	Wind	1976	6	\$0	\$1,952	0	0
Hardy	Wind	1976	7	\$13	\$1,278	0.025	0
Hardy	Wind	1977	5	\$0	\$16,802	0	0
Hardy	Wind	1978	1	\$0	\$3,407	0	0
Hardy	Wind	1979	4	\$0	\$306	0	0
Hardy	Wind	1979	8	\$0	\$306	0.01	0
Hardy	Wind	1980	3	\$0	\$27	0	0
Hardy	Wind	1980	7	\$0	\$148	0	0
Hardy	Wind	1980	9	\$13	\$13	0	0
Hardy	Wind	1981	2	\$0	\$244	0	0
Hardy	Wind	1981	5	\$1	\$1,344	0	0
Hardy	Wind	1981	6	\$2	\$2,444	0	0
Hardy	Wind	1986	7	\$0	\$68	0	0
Hardy	Wind	1991	4	\$0	\$449	0	0
Hardy	Wind	1992	11	\$0	\$189	0	0
Hardy	Wind	1993	1	\$0	\$169	0	0
Hardy	Wind	1995	7	\$0	\$6,414	0	0
Hardy	Wind	1996	9	\$97,364	\$48,672	0	0
Hardy	Wind	1997	3	\$0	\$10,087	0	0
Hardy	Wind	1997	6	\$0	\$1,523	0	0
Hardy	Wind	1998	6	\$0	\$7,496	0	0
Hardy	Wind	2000	6	\$0	\$7,805	0	0
Hardy	Wind	2000	7	\$0	\$7,805	0	0
Hardy	Wind	2000	8	\$0	\$7,096	0	0
Hardy	Wind	2001	8	\$0	\$345	0	0
Hardy	Wind	2002	3	\$0	\$3,881	0	0
Hardy	Wind	2002	5	\$0	\$340	0	0
Hardy	Wind	2002	8	\$0	\$1,358	0	0
Hardy	Wind	2003	2	\$0	\$133	0	0
Hardy	Wind	2003	6	\$0	\$664	0	0
Hardy	Wind	2003	8	\$0	\$664	0	0
Hardy	Wind	2003	9	\$48,144	\$129,491	0.38	0
Hardy	Wind	2003	10	\$0	\$3,984	0	0
Hardy	Wind	2003	11	\$0	\$4,980	0	0
Hardy	Wind	2004	5	\$0	\$647	0	0
Hardy	Wind	2006	1	\$0	\$96,974	0	0
Hardy	Wind	2007	2	\$0	\$6,679	0	0
Hardy	Wind	2007	6	\$0	\$1,179	0	0
Hardy	Wind	2007	8	\$0	\$589	0	0
Hardy	Wind	2008	2	\$0	\$709	0	0



TABLE 5.1.K SHELUDS WIND DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Hardy	Wind	2008	6	\$0	\$2,838	0	0
Hardy	Wind	2008	7	\$0	\$1,703	0	0
Hardy	Wind	2010	5	\$0	\$1,681	0	0
Hardy	Wind	2010	8	\$0	\$3,922	0	0
Hardy	Wind	2011	4	\$0	\$4,346	0	0
Hardy	Wind	2011	5	\$0	\$3,802	0	0
Hardy	Wind	2011	6	\$0	\$272	0	0
Hardy	Wind	2011	7	\$0	\$1,086	0	0
Hardy	Wind	2011	9	\$0	\$1,086	0	0
Hardy	Wind	2012	6	\$0	\$2,661	0	0
Hardy	Wind	2012	7	\$0	\$5,322	0	0
Hardy	Wind	2012	8	\$0	\$798	0	0
Hardy	Wind	2013	6	\$1,311	\$0	0	0
Hardy	Wind	2013	7	\$262	\$0	0	0
Hardy	Wind	2013	8	\$131	\$0	0	0
Hardy	Wind	2013	11	\$131	\$0	0	0
Hardy	Wind	2014	6	\$8,903	\$20,645	0	0
Hardy	Wind	2014	7	\$1,419	\$1,032	0	0
Hardy	Wind	2014	10	\$0	\$1,032	0	0
Hardy	Wind	2015	6	\$0	\$516	0	0
Mineral	Wind	1960	2	\$0	\$751	0	0
Mineral	Wind	1964	4	\$2	\$24	0	0
Mineral	Wind	1965	4	\$0	\$353	0.01	0
Mineral	Wind	1965	10	\$0	\$4	0	0
Mineral	Wind	1965	11	\$0	\$71	0	0
Mineral	Wind	1966	7	\$0	\$3,428	0	0
Mineral	Wind	1967	2	\$0	\$6,651	0	0
Mineral	Wind	1969	6	\$0	\$303	0	0
Mineral	Wind	1970	9	\$0	\$29,159	0.0475	0
Mineral	Wind	1971	1	\$0	\$5,485	0	0
Mineral	Wind	1974	12	\$0	\$0	0	0.01
Mineral	Wind	1975	1	\$0	\$413	0	0.02
Mineral	Wind	1975	7	\$27,037	\$270	0	0
Mineral	Wind	1976	1	\$0	\$3,904	0	0
Mineral	Wind	1976	6	\$0	\$1,952	0	0
Mineral	Wind	1976	7	\$13	\$1,278	0.025	0
Mineral	Wind	1977	5	\$0	\$16,802	0	0
Mineral	Wind	1978	1	\$0	\$3,407	0	0
Mineral	Wind	1979	4	\$0	\$306	0	0
Mineral	Wind	1979	8	\$0	\$306	0.01	0
Mineral	Wind	1980	3	\$0	\$27	0	0
Mineral	Wind	1980	6	\$6	\$627	0	0
Mineral	Wind	1980	7	\$0	\$148	0	0
Mineral	Wind	1980	8	\$0	\$1,141	0	0
Mineral	Wind	1980	9	\$19	\$71	0	0



TABLE 5.1.K SHELDTUS WIND DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Mineral	Wind	1981	2	\$0	\$244	0	0
Mineral	Wind	1981	5	\$1	\$1,344	0	0
Mineral	Wind	1981	6	\$2	\$2,444	0	0
Mineral	Wind	1986	7	\$0	\$68	0	0
Mineral	Wind	1991	4	\$0	\$4,486	0.5	0
Mineral	Wind	1992	11	\$0	\$189	0	0
Mineral	Wind	1993	1	\$0	\$169	0	0
Mineral	Wind	1995	7	\$0	\$2,405	0	0
Mineral	Wind	1996	9	\$97,364	\$48,672	0	0
Mineral	Wind	1997	3	\$0	\$10,087	0	0
Mineral	Wind	1997	5	\$0	\$20,555	0	0
Mineral	Wind	1997	6	\$0	\$1,523	0	0
Mineral	Wind	1997	7	\$0	\$4,568	0	0
Mineral	Wind	1997	8	\$0	\$10,658	0	0
Mineral	Wind	2000	1	\$0	\$21,287	0	0
Mineral	Wind	2000	6	\$0	\$1,419	0	0
Mineral	Wind	2000	8	\$0	\$1,419	0	0
Mineral	Wind	2000	11	\$0	\$355	0	0
Mineral	Wind	2001	4	\$0	\$6,899	0	0
Mineral	Wind	2001	7	\$0	\$345	0	0
Mineral	Wind	2002	3	\$0	\$3,881	0	0
Mineral	Wind	2002	5	\$0	\$4,075	0	0
Mineral	Wind	2002	8	\$0	\$3,396	0	0
Mineral	Wind	2003	1	\$0	\$1,395	0	0
Mineral	Wind	2003	2	\$0	\$133	0	0
Mineral	Wind	2003	7	\$0	\$1,660	0	0
Mineral	Wind	2003	8	\$0	\$1,992	0	0
Mineral	Wind	2003	9	\$48,144	\$129,491	0.38	0
Mineral	Wind	2003	10	\$0	\$3,984	0	0
Mineral	Wind	2003	11	\$0	\$4,980	0	0
Mineral	Wind	2004	5	\$0	\$9,702	0	0
Mineral	Wind	2006	1	\$0	\$96,974	0	0
Mineral	Wind	2006	2	\$0	\$60,608	0	0
Mineral	Wind	2006	3	\$0	\$42,426	0	0
Mineral	Wind	2006	5	\$0	\$60,608	0	0
Mineral	Wind	2006	6	\$0	\$3,030	0	0
Mineral	Wind	2007	6	\$0	\$2,947	0	0
Mineral	Wind	2007	7	\$0	\$589	0	0
Mineral	Wind	2008	1	\$0	\$1,703	0	0
Mineral	Wind	2008	2	\$0	\$709	0	0
Mineral	Wind	2008	6	\$0	\$13,620	0	0
Mineral	Wind	2008	7	\$0	\$5,108	0	0
Mineral	Wind	2010	6	\$0	\$1,121	0	0
Mineral	Wind	2010	8	\$0	\$5,603	0	0
Mineral	Wind	2010	12	\$0	\$2,241	0	0

TABLE 5.1.K SHELDS WIND DATA

County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Mineral	Wind	2012	5	\$0	\$1,064	0	0
Mineral	Wind	2012	6	\$0	\$4,257	0	0
Mineral	Wind	2012	7	\$0	\$2,129	0	0
Mineral	Wind	2013	5	\$525	\$0	0	0
Mineral	Wind	2013	8	\$262	\$0	0	0
Mineral	Wind	2013	11	\$131	\$0	0	0
Mineral	Wind	2014	9	\$1,290	\$2,065	0	0
Mineral	Wind	2015	6	\$0	\$516	0	0
Mineral	Wind	2015	8	\$0	\$1,031	0	0
Mineral	Wind	2015	9	\$0	\$1,031	0	0
Pendleton	Wind	1960	2	\$0	\$751	0	0
Pendleton	Wind	1964	4	\$2	\$24	0	0
Pendleton	Wind	1965	4	\$0	\$353	0.01	0
Pendleton	Wind	1965	10	\$0	\$4	0	0
Pendleton	Wind	1965	11	\$0	\$71	0	0
Pendleton	Wind	1966	7	\$0	\$3,428	0	0
Pendleton	Wind	1967	2	\$0	\$6,651	0	0
Pendleton	Wind	1969	6	\$0	\$303	0	0
Pendleton	Wind	1969	7	\$333	\$33,293	0	0
Pendleton	Wind	1970	9	\$0	\$29,159	0.0475	0
Pendleton	Wind	1971	1	\$0	\$5,485	0	0
Pendleton	Wind	1974	12	\$0	\$0	0	0.01
Pendleton	Wind	1975	1	\$0	\$413	0	0.02
Pendleton	Wind	1975	7	\$27,037	\$270	0	0
Pendleton	Wind	1976	1	\$0	\$3,904	0	0
Pendleton	Wind	1976	6	\$0	\$1,952	0	0
Pendleton	Wind	1976	7	\$13	\$1,278	0.025	0
Pendleton	Wind	1977	5	\$0	\$16,802	0	0
Pendleton	Wind	1978	1	\$0	\$3,407	0	0
Pendleton	Wind	1979	4	\$0	\$306	0	0
Pendleton	Wind	1979	8	\$0	\$306	0.01	0
Pendleton	Wind	1980	3	\$0	\$27	0	0
Pendleton	Wind	1980	7	\$0	\$148	0	0
Pendleton	Wind	1980	9	\$13	\$13	0	0
Pendleton	Wind	1981	2	\$0	\$244	0	0
Pendleton	Wind	1981	5	\$1	\$1,344	0	0
Pendleton	Wind	1981	6	\$2	\$2,444	0	0
Pendleton	Wind	1986	7	\$0	\$68	0	0
Pendleton	Wind	1991	4	\$0	\$449	0	0
Pendleton	Wind	1992	11	\$0	\$189	0	0
Pendleton	Wind	1993	1	\$0	\$169	0	0
Pendleton	Wind	1996	4	\$0	\$46,725	0	0
Pendleton	Wind	1996	5	\$0	\$779	0	0
Pendleton	Wind	1996	9	\$97,364	\$48,672	0	0
Pendleton	Wind	1997	3	\$0	\$10,087	0	0



TABLE 5.1.K SHELDUS WIND DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Pendleton	Wind	1998	4	\$0	\$1,499	0	0
Pendleton	Wind	1998	6	\$0	\$1,499	0	0
Pendleton	Wind	1999	4	\$0	\$367	0	0
Pendleton	Wind	2000	8	\$0	\$3,548	0	0
Pendleton	Wind	2002	3	\$0	\$3,881	0	0
Pendleton	Wind	2002	8	\$0	\$340	0	0
Pendleton	Wind	2003	2	\$0	\$133	0	0
Pendleton	Wind	2003	5	\$0	\$6,641	0	0
Pendleton	Wind	2003	9	\$48,144	\$129,491	0.38	0
Pendleton	Wind	2003	11	\$0	\$4,980	0	0
Pendleton	Wind	2004	5	\$0	\$970	0	0
Pendleton	Wind	2004	6	\$0	\$3,234	0	0
Pendleton	Wind	2006	1	\$0	\$96,974	0	0
Pendleton	Wind	2006	7	\$0	\$15,152	0	0
Pendleton	Wind	2007	4	\$0	\$5,893	0	0
Pendleton	Wind	2008	2	\$0	\$709	0	0
Pendleton	Wind	2008	6	\$0	\$11,350	0	0
Pendleton	Wind	2010	6	\$0	\$2,241	0	0
Pendleton	Wind	2010	8	\$0	\$560	0	0
Pendleton	Wind	2011	4	\$0	\$543	0	0
Pendleton	Wind	2011	9	\$0	\$543	0	0
Pendleton	Wind	2012	6	\$0	\$2,661	0	0
Pendleton	Wind	2013	6	\$577	\$0	0	0
Pendleton	Wind	2013	7	\$131	\$0	0	0
Pendleton	Wind	2013	11	\$131	\$0	0	0
Pendleton	Wind	2014	7	\$258	\$0	0	0
Totals				\$906,338	\$2,878,762	4	1

TABLE 5.1.L SHELDUS HEAT DATA							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Grant	Heat	1993	7	0	0	0.02	0
Hampshire	Heat	1993	7	0	0	0.02	0
Hardy	Heat	1993	7	0	0	0.02	0
Mineral	Heat	1993	7	0	0	0.02	0
Pendleton	Heat	1993	7	0	0	0.02	0
Totals				0	0	0.1	0

NCEI SEVERE SUMMER WEATHER DATA

Data is organized by date and event. Events that are repeated on the same day, most likely took place in different areas of the county.

TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA							
County	Date	Event Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
Hampshire	7/20/1986	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hardy	7/20/1986	Thunderstorm Wind	N/A	0	0	\$0	\$0
Grant	7/11/1987	Thunderstorm Wind	N/A	0	0	\$0	\$0
Mineral	4/25/1988	Hail	0.75" Dia..	0	0	\$0	\$0
Hampshire	7/6/1989	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hardy	7/6/1989	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hampshire	7/7/1989	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hardy	7/26/1989	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hampshire	6/30/1990	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hardy	4/9/1991	Hail	0.75" Dia..	0	0	\$0	\$0
Pendleton	4/9/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Grant	4/9/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Mineral	4/9/1991	Thunderstorm Wind	67 MPH	0	1	\$0	\$0
Hardy	4/9/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hampshire	4/9/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Grant	5/6/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Mineral	5/6/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hardy	5/6/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hampshire	5/6/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Pendleton	5/13/1991	Hail	0.75" Dia..	0	0	\$0	\$0
Grant	7/7/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Grant	7/7/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Mineral	7/20/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Mineral	7/22/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hampshire	9/18/1991	Hail	0.88" Dia.	0	0	\$0	\$0
Hampshire	9/18/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hampshire	9/18/1991	Thunderstorm Wind	N/A	0	0	\$0	\$0
Grant	4/24/1992	Hail	0.75" Dia..	0	0	\$0	\$0
Hardy	6/18/1992	Thunderstorm Wind	N/A	0	3	\$0	\$0
Mineral	7/10/1992	Thunderstorm Wind	N/A	0	0	\$0	\$0
Grant	7/10/1992	Thunderstorm Wind	N/A	0	0	\$0	\$0
Mineral	7/10/1992	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hampshire	7/10/1992	Thunderstorm Wind	N/A	0	0	\$0	\$0
Hampshire	5/12/1993	Hail	0.75" Dia..	0	0	\$0	\$0
Hampshire	8/11/1993	Hail	1.75" Dia.	0	0	\$0	\$0
Hampshire	9/2/1993	Hail	1.75" Dia.	0	0	\$5,000	\$5,000
Hampshire	9/2/1993	Thunderstorm Wind	N/A	0	1	\$50,000	\$5,000
Hardy	9/3/1993	Hail	0.75" Dia..	0	0	\$500	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

County	Date	Event Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
Hardy	9/3/1993	Thunderstorm Wind	N/A	0	0	\$500	\$0
Hardy	9/8/1993	Hail	0.88" Dia.	0	0	\$0	\$0
Pendleton	6/16/1994	Thunderstorm Wind	N/A	0	0	\$0	\$0
Pendleton	6/29/1994	Hail	0.75" Dia..	0	0	\$0	\$0
Hardy	7/27/1995	Thunderstorm Wind	N/A	0	0	\$8,000	\$0
Mineral	7/27/1995	Thunderstorm Wind	N/A	0	0	\$3,000	\$0
Pendleton	5/4/1996	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hampshire	6/19/1996	Thunderstorm Wind	N/A	0	0	\$75,000	\$0
Hampshire	7/30/1996	Thunderstorm Wind	N/A	0	0	\$10,000	\$0
Hampshire	8/15/1996	Hail	0.75" Dia.	0	0	\$0	\$0
Hardy	8/16/1996	Hail	0.75" Dia.	0	0	\$0	\$0
Hampshire	8/16/1996	Hail	0.75" Dia.	0	0	\$0	\$0
Hardy	9/6/1996	High Wind	N/A	0	0	\$25,000	\$50,000
Hampshire	9/6/1996	High Wind	N/A	0	0	\$25,000	\$100,000
Pendleton	9/12/1996	Hail	0.75" Dia.	0	0	\$0	\$0
Hampshire	3/6/1997	Strong Wind	N/A	0	0	\$0	\$0
Hardy	3/31/1997	Strong Wind	N/A	0	0	\$5,000	\$0
Hampshire	3/31/1997	Strong Wind	N/A	0	0	\$0	\$0
Grant	6/18/1997	Tornado	F0	0	0	\$0	\$15,000
Hardy	6/18/1997	Thunderstorm Wind	N/A	0	0	\$2,000	\$0
Mineral	7/28/1997	Thunderstorm Wind	N/A	0	0	\$5,000	\$0
Mineral	8/17/1997	Thunderstorm Wind	N/A	0	0	\$12,000	\$0
Hampshire	8/17/1997	Thunderstorm Wind	52 MPH	0	0	\$5,000	\$0
Hampshire	2/24/1998	Strong Wind	N/A	0	0	\$0	\$0
Hardy	2/24/1998	Strong Wind	N/A	0	0	\$0	\$0
Mineral	6/2/1998	Tornado	F1	0	0	\$5,000	\$10,000
Hampshire	6/2/1998	Tornado	F1	0	0	\$20,000	\$100,000
Hampshire	6/2/1998	Hail	1.75" Dia.	0	0	\$5,000	\$50,000
Mineral	6/2/1998	Tornado	F2	0	0	\$150,000	\$100,000
Mineral	6/2/1998	Hail	1.25" Dia.	0	0	\$0	\$3,000
Hampshire	6/2/1998	Tornado	F1	0	5	\$100,000	\$50,000
Hardy	6/13/1998	Thunderstorm Wind	N/A	0	0	\$5,000	\$0
Hardy	6/15/1998	Thunderstorm Wind	N/A	0	0	\$5,000	\$0
Pendleton	6/27/1998	Tornado	F0	0	0	\$8,000	\$0
Pendleton	6/28/1998	Thunderstorm Wind	N/A	0	0	\$2,000	\$0
Grant	8/9/1998	Tornado	F0	0	0	\$15,000	\$0
Grant	8/9/1998	Thunderstorm Wind	N/A	0	0	\$3,000	\$0
Grant	4/11/1999	Hail	1" Dia.	0	0	\$0	\$0
Mineral	4/23/1999	Hail	0.88" Dia.	0	0	\$0	\$0
Mineral	4/23/1999	Hail	0.75" Dia.	0	0	\$0	\$0
Hampshire	4/23/1999	Hail	1.5" Dia.	0	0	\$0	\$0
Hampshire	4/23/1999	Hail	1.5" Dia.	0	0	\$0	\$0
Hampshire	4/23/1999	Hail	1.25" Dia.	0	0	\$0	\$0
Pendleton	4/23/1999	Thunderstorm Wind	N/A	0	0	\$500	\$0
Hampshire	4/23/1999	Thunderstorm Wind	N/A	0	0	\$500	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

County	Date	Event Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
Hampshire	4/23/1999	Hail	2.75" Dia.	0	0	\$0	\$0
Hampshire	5/22/1999	Thunderstorm Wind	N/A	0	0	\$15,000	\$0
Hampshire	6/7/1999	Heat	N/A	0	0	\$0	\$0
Hardy	6/7/1999	Heat	N/A	0	0	\$0	\$0
Hampshire	7/4/1999	Heat	N/A	0	0	\$0	\$0
Hardy	7/4/1999	Heat	N/A	0	0	\$0	\$0
Hardy	9/5/1999	Heavy Rain	N/A	0	0	\$0	\$0
Hampshire	9/5/1999	Heavy Rain	N/A	0	0	\$0	\$0
Grant	9/29/1999	Thunderstorm Wind	N/A	0	0	\$5,000	\$0
Hampshire	9/29/1999	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hardy	1/2/2000	Excessive Heat	N/A	0	0	\$0	\$0
Hampshire	1/2/2000	Excessive Heat	N/A	0	0	\$0	\$0
Hampshire	1/13/2000	High Wind	52 MPH	0	0	\$0	\$0
Hardy	3/8/2000	Heat	N/A	0	0	\$0	\$0
Hampshire	3/8/2000	Heat	N/A	0	0	\$0	\$0
Grant	4/17/2000	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	5/6/2000	Heat	N/A	0	0	\$0	\$0
Hampshire	5/6/2000	Heat	N/A	0	0	\$0	\$0
Hampshire	5/10/2000	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	5/10/2000	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	5/10/2000	Hail	1" Dia.	0	0	\$0	\$0
Mineral	6/2/2000	Thunderstorm Wind	N/A	0	0	\$2,000	\$0
Hampshire	6/10/2000	Heat	N/A	0	0	\$0	\$0
Hardy	6/10/2000	Heat	N/A	0	0	\$0	\$0
Hardy	6/15/2000	Thunderstorm Wind	N/A	0	0	\$1,000	\$0
Hampshire	6/15/2000	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	6/15/2000	Thunderstorm Wind	N/A	0	0	\$10,000	\$0
Hampshire	6/25/2000	Heat	N/A	0	0	\$0	\$0
Hardy	6/25/2000	Heat	N/A	0	0	\$0	\$0
Hardy	7/13/2000	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	7/13/2000	Hail	0.75" Dia.	0	0	\$0	\$0
Hardy	7/13/2000	Thunderstorm Wind	N/A	0	0	\$10,000	\$0
Hardy	7/28/2000	Thunderstorm Wind	N/A	0	0	\$1,000	\$0
Hampshire	7/28/2000	Thunderstorm Wind	N/A	0	0	\$1,000	\$0
Grant	7/31/2000	Thunderstorm Wind	N/A	0	0	\$10,000	\$0
Hardy	8/2/2000	Heavy Rain	N/A	0	0	\$0	\$0
Hampshire	8/3/2000	Heavy Rain	N/A	0	0	\$0	\$0
Hampshire	8/6/2000	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	8/6/2000	Heavy Rain	N/A	0	0	\$0	\$0
Grant	8/9/2000	Thunderstorm Wind	N/A	0	0	\$10,000	\$0
Mineral	8/9/2000	Thunderstorm Wind	N/A	0	0	\$2,000	\$0
Pendleton	8/9/2000	Thunderstorm Wind	N/A	0	0	\$5,000	\$0
Hardy	8/9/2000	Thunderstorm Wind	N/A	0	0	\$10,000	\$0
Hampshire	8/9/2000	Thunderstorm Wind	N/A	0	0	\$5,000	\$0
Pendleton	8/18/2000	Heavy Rain	N/A	0	0	\$0	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

County	Date	Event Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
Hampshire	9/1/2000	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	9/3/2000	Heavy Rain	N/A	0	0	\$0	\$0
Mineral	9/24/2000	Heavy Rain	N/A	0	0	\$0	\$0
Hampshire	9/24/2000	Heavy Rain	N/A	0	0	\$0	\$0
Pendleton	9/24/2000	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	9/24/2000	Heavy Rain	N/A	0	0	\$0	\$0
Grant	9/24/2000	Heavy Rain	N/A	0	0	\$0	\$0
Mineral	11/9/2000	Thunderstorm Wind	N/A	0	0	\$500	\$0
Mineral	11/9/2000	Thunderstorm Wind	53 MPH	0	0	\$0	\$0
Hardy	12/12/2000	Strong Wind	N/A	0	0	\$0	\$0
Hampshire	12/12/2000	Strong Wind	N/A	0	0	\$0	\$0
Hampshire	12/17/2000	Strong Wind	N/A	0	0	\$0	\$0
Hampshire	1/27/2001	Strong Wind	N/A	0	0	\$0	\$0
Hardy	1/27/2001	Strong Wind	N/A	0	0	\$0	\$0
Hardy	2/9/2001	Strong Wind	N/A	0	0	\$0	\$0
Hampshire	2/9/2001	Strong Wind	N/A	0	0	\$0	\$0
Hardy	3/6/2001	Strong Wind	N/A	0	0	\$0	\$0
Hampshire	3/6/2001	Strong Wind	N/A	0	0	\$0	\$0
Mineral	3/13/2001	Thunderstorm Wind	57 MPH	0	0	\$0	\$0
Hardy	3/21/2001	Heavy Rain	N/A	0	0	\$0	\$0
Mineral	4/9/2001	Hail	1" Dia.	0	0	\$0	\$0
Mineral	4/9/2001	Thunderstorm Wind	N/A	0	0	\$10,000	\$0
Grant	5/18/2001	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	5/18/2001	Heavy Rain	N/A	0	0	\$0	\$0
Hampshire	6/7/2001	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	6/12/2001	Heat	N/A	0	0	\$0	\$0
Hampshire	6/12/2001	Heat	N/A	0	0	\$0	\$0
Hardy	6/20/2001	Heavy Rain	N/A	0	0	\$0	\$0
Hampshire	6/20/2001	Hail	0.88" Dia.	0	0	\$0	\$0
Hardy	6/21/2001	Heavy Rain	N/A	0	0	\$0	\$0
Pendleton	6/22/2001	Heavy Rain	N/A	0	0	\$0	\$0
Hampshire	6/22/2001	Heavy Rain	N/A	0	0	\$0	\$0
Grant	6/22/2001	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	6/27/2001	Heat	N/A	0	0	\$0	\$0
Hampshire	6/27/2001	Heat	N/A	0	0	\$0	\$0
Mineral	7/10/2001	Thunderstorm Wind	N/A	0	0	\$500	\$0
Hampshire	7/10/2001	Thunderstorm Wind	N/A	0	0	\$1,000	\$0
Hardy	7/29/2001	Heavy Rain	N/A	0	0	\$0	\$0
Pendleton	7/29/2001	Heavy Rain	N/A	0	0	\$0	\$0
Grant	7/29/2001	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	8/6/2001	Heat	N/A	0	0	\$0	\$0
Hampshire	8/6/2001	Heat	N/A	0	0	\$0	\$0
Hardy	8/19/2001	Thunderstorm Wind	N/A	0	0	\$500	\$0
Hardy	2/1/2002	Strong Wind	N/A	0	0	\$0	\$0
Hampshire	2/1/2002	Strong Wind	N/A	0	0	\$0	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

County	Date	Event Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
Hardy	3/9/2002	Strong Wind	N/A	0	0	\$0	\$0
Hampshire	3/9/2002	Strong Wind	N/A	0	0	\$0	\$0
Hardy	3/21/2002	Strong Wind	N/A	0	0	\$0	\$0
Hampshire	3/21/2002	Strong Wind	N/A	0	0	\$0	\$0
Grant	4/28/2002	Thunderstorm Wind	N/A	0	0	\$500	\$0
Mineral	5/13/2002	Thunderstorm Wind	N/A	0	0	\$1,000	\$0
Hampshire	5/14/2002	Thunderstorm Wind	N/A	0	0	\$5,000	\$0
Hardy	5/14/2002	Thunderstorm Wind	N/A	0	0	\$500	\$0
Grant	5/14/2002	Thunderstorm Wind	N/A	0	0	\$2,000	\$0
Mineral	5/14/2002	Thunderstorm Wind	N/A	0	0	\$5,000	\$0
Mineral	5/14/2002	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	5/26/2002	Heavy Rain	N/A	0	0	\$0	\$0
Hampshire	5/26/2002	Hail	1.75" Dia.	0	0	\$0	\$0
Hampshire	5/26/2002	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	5/26/2002	Hail	1" Dia.	0	0	\$0	\$0
Grant	5/27/2002	Heavy Rain	N/A	0	0	\$0	\$0
Grant	5/29/2002	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	6/4/2002	Hail	1.75" Dia.	0	0	\$0	\$0
Hardy	7/2/2002	Heat	N/A	0	0	\$0	\$0
Hampshire	7/2/2002	Heat	N/A	0	0	\$0	\$0
Pendleton	7/2/2002	Hail	1" Dia.	0	0	\$0	\$0
Hardy	7/2/2002	Hail	0.75" Dia.	0	0	\$0	\$0
Hampshire	7/9/2002	Thunderstorm Wind	N/A	0	0	\$2,000	\$0
Hardy	7/28/2002	Heat	N/A	0	0	\$0	\$0
Hampshire	7/28/2002	Heat	N/A	0	0	\$0	\$0
Hardy	8/1/2002	Heat	N/A	0	0	\$0	\$0
Hampshire	8/1/2002	Heat	N/A	0	0	\$0	\$0
Mineral	8/3/2002	Heavy Rain	N/A	0	0	\$0	\$0
Mineral	8/3/2002	Thunderstorm Wind	N/A	0	0	\$5,000	\$0
Mineral	8/3/2002	Hail	1.75" Dia.	0	0	\$0	\$0
Pendleton	8/3/2002	Thunderstorm Wind	N/A	0	0	\$500	\$0
Hardy	8/3/2002	Thunderstorm Wind	N/A	0	0	\$2,000	\$0
Hampshire	8/12/2002	Heat	N/A	0	0	\$0	\$0
Hardy	8/12/2002	Heat	N/A	0	0	\$0	\$0
Hardy	8/22/2002	Heat	N/A	0	0	\$0	\$0
Hampshire	8/22/2002	Heat	N/A	0	0	\$0	\$0
Hardy	1/8/2003	High Wind	35 MPH	0	0	\$0	\$0
Hampshire	1/8/2003	High Wind	35 MPH	0	0	\$0	\$0
Pendleton	2/22/2003	Heavy Rain	N/A	0	0	\$0	\$0
Mineral	2/22/2003	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	2/23/2003	Strong Wind	30 MPH	0	0	\$100	\$0
Hampshire	2/23/2003	Strong Wind	30 MPH	0	0	\$100	\$0
Pendleton	3/20/2003	Heavy Rain	N/A	0	0	\$0	\$0
Mineral	3/20/2003	Heavy Rain	N/A	0	0	\$0	\$0
Grant	3/20/2003	Heavy Rain	N/A	0	0	\$0	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Property Damage</i>	<i>Crop Damage</i>
Hardy	5/7/2003	Heavy Rain	N/A	0	0	\$0	\$0
Pendleton	5/10/2003	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	6/12/2003	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Mineral	7/8/2003	Thunderstorm Wind	50 MPH	0	0	\$500	\$0
Mineral	7/12/2003	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	7/12/2003	Thunderstorm Wind	50 MPH	0	0	\$3,000	\$0
Pendleton	7/14/2003	Hail	1" Dia.	0	0	\$0	\$0
Grant	7/14/2003	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Grant	7/14/2003	Hail	0.75" Dia.	0	0	\$0	\$0
Grant	7/14/2003	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Hardy	7/14/2003	Hail	0.75" Dia.	0	0	\$0	\$0
Mineral	7/14/2003	Hail	0.75" Dia.	0	0	\$0	\$0
Mineral	7/14/2003	Hail	0.75" Dia.	0	0	\$0	\$0
Mineral	7/14/2003	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Mineral	7/14/2003	Hail	0.75" Dia.	0	0	\$0	\$0
Mineral	8/3/2003	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Grant	8/9/2003	Heavy Rain	N/A	0	0	\$0	\$0
Grant	8/26/2003	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hardy	8/26/2003	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Mineral	8/27/2003	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Hampshire	8/27/2003	Lightning	N/A	0	0	\$0	\$0
Hardy	9/18/2003	High Wind	50 MPH	0	0	\$50,000	\$50,000
Hampshire	9/18/2003	High Wind	50 MPH	0	0	\$150,000	\$50,000
Hampshire	10/15/2003	Strong Wind	43 MPH	0	0	\$2,000	\$0
Hardy	10/15/2003	Strong Wind	43 MPH	0	0	\$2,000	\$0
Hampshire	11/13/2003	Strong Wind	43 MPH	0	0	\$5,000	\$0
Hardy	11/13/2003	Strong Wind	46 MHP	0	0	\$3,000	\$0
Mineral	11/19/2003	Thunderstorm Wind	59 MPH	0	0	\$0	\$0
Hampshire	4/26/2004	Heavy Rain	N/A	0	0	\$0	\$0
Grant	5/7/2004	Thunderstorm Wind	55 MPH	0	0	\$3,000	\$0
Mineral	5/7/2004	Thunderstorm Wind	55 MPH	0	0	\$5,000	\$0
Hampshire	5/7/2004	Thunderstorm Wind	53 MPH	0	0	\$5,000	\$0
Hampshire	5/18/2004	Lightning	N/A	0	0	\$0	\$0
Grant	5/21/2004	Thunderstorm Wind	55 MPH	0	0	\$2,000	\$0
Mineral	5/21/2004	Thunderstorm Wind	55 MPH	0	0	\$7,000	\$0
Grant	5/21/2004	Thunderstorm Wind	53 MPH	0	0	\$2,000	\$0
Mineral	5/21/2004	Thunderstorm Wind	55 MPH	0	0	\$3,000	\$0
Pendleton	5/21/2004	Thunderstorm Wind	50 MPH	0	0	\$1,500	\$0
Hampshire	5/21/2004	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Hampshire	5/21/2004	Thunderstorm Wind	55 MPH	0	0	\$2,000	\$0
Hardy	5/21/2004	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Pendleton	6/1/2004	Thunderstorm Wind	60 MPH	0	0	\$5,000	\$0
Mineral	8/4/2004	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	12/1/2004	High Wind	50 MPH	0	0	\$0	\$0
Hampshire	12/1/2004	High Wind	50 MPH	0	0	\$0	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Property Damage</i>	<i>Crop Damage</i>
Hampshire	4/3/2005	High Wind	50 MPH	0	0	\$0	\$0
Hardy	4/3/2005	High Wind	50 MPH	0	0	\$0	\$0
Pendleton	6/28/2005	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Pendleton	7/7/2005	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	7/7/2005	Heavy Rain	N/A	0	0	\$0	\$0
Hardy	1/14/2006	High Wind	50 MPH	0	0	\$75,000	\$0
Hampshire	1/14/2006	High Wind	50 MPH	0	0	\$80,000	\$0
Hampshire	4/3/2006	Hail	0.88" Dia.	0	0	\$0	\$0
Grant	4/7/2006	Thunderstorm Wind	53 MPH	0	0	\$0	\$0
Mineral	6/1/2006	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Grant	7/18/2006	Hail	0.75" Dia.	0	0	\$0	\$0
Grant	7/18/2006	Hail	1.75" Dia.	0	0	\$0	\$0
Grant	7/18/2006	Hail	0.88" Dia.	0	0	\$0	\$0
Pendleton	7/18/2006	Thunderstorm Wind	50 MPH	0	0	\$10,000	\$0
Hampshire	7/18/2006	Hail	1" Dia.	0	0	\$0	\$0
Pendleton	7/20/2006	Thunderstorm Wind	50 MPH	0	0	\$15,000	\$0
Hampshire	7/20/2006	Thunderstorm Wind	54 MPH	0	0	\$50,000	\$0
Hampshire	9/28/2006	Thunderstorm Wind	50 MPH	0	0	\$20,000	\$0
Hampshire	10/28/2006	Strong Wind	40 MPH	0	0	\$14,000	\$0
Hardy	2/22/2007	Strong Wind	45 MPH	0	0	\$10,000	\$0
Hampshire	6/1/2007	Hail	0.88" Dia.	0	0	\$0	\$0
Pendleton	6/8/2007	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Grant	6/8/2007	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	6/12/2007	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/12/2007	Hail	1.5" Dia.	0	0	\$0	\$0
Mineral	6/12/2007	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hardy	6/12/2007	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Grant	6/12/2007	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Mineral	6/13/2007	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Mineral	6/13/2007	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	6/19/2007	Hail	1" Dia.	0	0	\$0	\$0
Grant	6/21/2007	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Grant	6/27/2007	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Mineral	7/27/2007	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	7/28/2007	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Hardy	8/9/2007	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Grant	9/27/2007	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	9/27/2007	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Mineral	12/16/2007	High Wind	50 MPH	0	0	\$3,000	\$0
Mineral	12/16/2007	High Wind	50 MPH	0	0	\$3,000	\$0
Hampshire	12/16/2007	High Wind	50 MPH	0	0	\$5,000	\$0
Hardy	12/16/2007	High Wind	50 MPH	0	0	\$0	\$0
Grant	12/16/2007	High Wind	53 MPH	0	0	\$0	\$0
Grant	12/16/2007	High Wind	53 MPH	0	0	\$0	\$0
Mineral	1/30/2008	High Wind	51 MPH	0	0	\$3,000	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Property Damage</i>	<i>Crop Damage</i>
Mineral	1/30/2008	High Wind	51 MPH	0	0	\$3,000	\$0
Grant	2/10/2008	High Wind	50 MPH	0	0	\$5,000	\$0
Mineral	2/10/2008	High Wind	57 MPH	0	0	\$5,000	\$0
Grant	2/10/2008	High Wind	50 MPH	0	0	\$5,000	\$0
Mineral	2/10/2008	High Wind	57 MPH	0	0	\$5,000	\$0
Hampshire	2/10/2008	High Wind	50 MPH	0	0	\$10,000	\$0
Hardy	2/10/2008	High Wind	53 MPH	0	0	\$0	\$0
Hampshire	4/11/2008	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	4/11/2008	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	4/11/2008	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	4/26/2008	Hail	0.75" Dia.	0	0	\$0	\$0
Pendleton	6/4/2008	Thunderstorm Wind	50 MPH	0	0	\$15,000	\$0
Pendleton	6/4/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Grant	6/4/2008	Thunderstorm Wind	50 MPH	0	0	\$10,000	\$0
Grant	6/4/2008	Thunderstorm Wind	50 MPH	0	0	\$3,000	\$0
Grant	6/4/2008	Thunderstorm Wind	50 MPH	0	0	\$3,000	\$0
Hampshire	6/4/2008	Thunderstorm Wind	50 MPH	0	0	\$50,000	\$0
Hampshire	6/4/2008	Thunderstorm Wind	50 MPH	0	0	\$3,000	\$0
Hardy	6/10/2008	Hail	1.75" Dia.	0	0	\$0	\$0
Grant	6/10/2008	Hail	0.75" Dia.	0	0	\$0	\$0
Pendleton	6/10/2008	Hail	0.88" Dia.	0	0	\$0	\$0
Mineral	6/10/2008	Hail	0.88" Dia.	0	0	\$0	\$0
Hardy	6/10/2008	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Hardy	6/10/2008	Hail	0.75" Dia.	0	0	\$0	\$0
Hampshire	6/10/2008	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	6/13/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/13/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/13/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/13/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/13/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hardy	6/14/2008	Thunderstorm Wind	50 MPH	0	0	\$3,000	\$0
Grant	6/16/2008	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	6/16/2008	Thunderstorm Wind	50 MPH	0	0	\$4,000	\$0
Hampshire	6/22/2008	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Mineral	6/22/2008	Hail	1.75" Dia.	0	0	\$20,000	\$0
Mineral	6/28/2008	Thunderstorm Wind	50 MPH	0	0	\$4,000	\$0
Mineral	6/28/2008	Thunderstorm Wind	50 MPH	0	0	\$20,000	\$0
Hampshire	6/28/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/28/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/28/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/28/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/28/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/28/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hampshire	6/28/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Grant	7/5/2008	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hardy	7/7/2008	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Property Damage</i>	<i>Crop Damage</i>
Hardy	7/7/2008	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Mineral	7/20/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Mineral	7/20/2008	Thunderstorm Wind	50 MPH	0	0	\$4,000	\$0
Hampshire	7/20/2008	Thunderstorm Wind	50 MPH	0	0	\$5,000	\$0
Hardy	7/20/2008	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Grant	12/29/2008	High Wind	51 MPH	0	0	\$0	\$0
Grant	12/30/2008	High Wind	53 MPH	0	0	\$0	\$0
Grant	2/11/2009	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Grant	2/11/2009	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	2/11/2009	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Mineral	2/11/2009	Thunderstorm Wind	53 MPH	0	0	\$0	\$0
Mineral	2/12/2009	High Wind	50 MPH	0	0	\$0	\$0
Hampshire	2/12/2009	High Wind	50 MPH	0	0	\$0	\$0
Mineral	2/12/2009	High Wind	62 MPH	0	0	\$0	\$0
Grant	2/12/2009	High Wind	50 MPH	0	0	\$0	\$0
Grant	2/12/2009	High Wind	51 MPH	0	0	\$0	\$0
Mineral	2/12/2009	High Wind	58 MPH	0	0	\$0	\$0
Grant	5/28/2009	Hail	0.88" Dia.	0	0	\$0	\$0
Hardy	6/3/2009	Hail	0.75" Dia.	0	0	\$0	\$0
Mineral	6/9/2009	Hail	0.75" Dia.	0	0	\$0	\$0
Hampshire	6/9/2009	Hail	0.75" Dia.	0	0	\$0	\$0
Mineral	6/9/2009	Hail	0.75" Dia.	0	0	\$0	\$0
Hampshire	6/9/2009	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	6/9/2009	Hail	1.75" Dia.	0	0	\$0	\$0
Hardy	6/9/2009	Hail	0.75" Dia.	0	0	\$0	\$0
Pendleton	6/9/2009	Hail	0.75" Dia.	0	0	\$0	\$0
Hampshire	6/10/2009	Hail	0.88" Dia.	0	0	\$0	\$0
Hampshire	6/17/2009	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	6/17/2009	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	6/17/2009	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Pendleton	7/21/2009	Hail	0.75" Dia.	0	0	\$0	\$0
Pendleton	7/21/2009	Hail	0.88" Dia.	0	0	\$0	\$0
Pendleton	7/21/2009	Hail	0.75" Dia.	0	0	\$0	\$0
Pendleton	7/21/2009	Thunderstorm Wind	60 MPH	0	0	\$0	\$0
Hardy	7/21/2009	Hail	0.75" Dia.	0	0	\$0	\$0
Grant	2/26/2010	High Wind	58 MPH	0	0	\$0	\$0
Mineral	3/22/2010	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	4/25/2010	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	4/25/2010	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	4/25/2010	Hail	1" Dia.	0	0	\$0	\$0
Mineral	5/14/2010	Hail	1" Dia.	0	0	\$0	\$0
Mineral	5/14/2010	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Pendleton	5/27/2010	Hail	1" Dia.	0	0	\$0	\$0
Hardy	5/27/2010	Hail	1" Dia.	0	0	\$0	\$0
Hardy	5/28/2010	Thunderstorm Wind	50 MPH	0	0	\$3,000	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

County	Date	Event Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
Hampshire	6/12/2010	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Mineral	6/24/2010	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Hardy	6/24/2010	Hail	1" Dia.	0	0	\$1,000	\$0
Hampshire	6/24/2010	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Pendleton	6/24/2010	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Pendleton	6/24/2010	Thunderstorm Wind	50 MPH	0	0	\$3,000	\$0
Pendleton	7/17/2010	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hampshire	7/25/2010	Thunderstorm Wind	57 MPH	0	0	\$2,000	\$0
Hampshire	7/25/2010	Thunderstorm Wind	57 MPH	0	0	\$3,000	\$0
Mineral	8/4/2010	Thunderstorm Wind	56 MPH	0	0	\$3,000	\$0
Grant	8/4/2010	Thunderstorm Wind	61 MPH	0	0	\$7,000	\$0
Mineral	8/4/2010	Thunderstorm Wind	56 MPH	0	0	\$7,000	\$0
Mineral	8/4/2010	Thunderstorm Wind	51 MPH	0	0	\$0	\$0
Hardy	8/4/2010	Thunderstorm Wind	52 MPH	0	0	\$7,000	\$0
Pendleton	8/4/2010	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hampshire	8/4/2010	Thunderstorm Wind	65 MPH	0	0	\$3,000	\$0
Hampshire	8/4/2010	Thunderstorm Wind	70 MPH	0	0	\$50,000	\$0
Hampshire	8/4/2010	Thunderstorm Wind	61 MPH	0	0	\$3,000	\$0
Hampshire	9/16/2010	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Mineral	12/1/2010	High Wind	54 MPH	0	0	\$2,000	\$0
Pendleton	2/12/2011	High Wind	56 MPH	0	0	\$0	\$0
Pendleton	2/12/2011	High Wind	56 MPH	0	0	\$0	\$0
Grant	2/12/2011	High Wind	56 MPH	0	0	\$0	\$0
Mineral	2/19/2011	High Wind	51 MPH	0	0	\$0	\$0
Mineral	2/25/2011	High Wind	56 MPH	0	0	\$0	\$0
Mineral	2/25/2011	High Wind	56 MPH	0	0	\$0	\$0
Grant	2/25/2011	High Wind	53 MPH	0	0	\$0	\$0
Grant	2/25/2011	High Wind	52 MPH	0	0	\$0	\$0
Pendleton	2/25/2011	High Wind	50 MPH	0	0	\$0	\$0
Pendleton	2/25/2011	High Wind	50 MPH	0	0	\$0	\$0
Pendleton	2/28/2011	Thunderstorm Wind	61 MPH	0	0	\$0	\$0
Grant	3/23/2011	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hampshire	3/23/2011	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$0
Hardy	4/16/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Grant	4/16/2011	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Grant	4/16/2011	Hail	1.5" Dia.	0	0	\$0	\$0
Grant	4/16/2011	Thunderstorm Wind	61 MPH	0	0	\$1,000	\$0
Grant	4/16/2011	Hail	1.5" Dia.	0	0	\$0	\$0
Grant	4/16/2011	Hail	1" Dia.	0	0	\$0	\$0
Grant	4/16/2011	Thunderstorm Wind	61 MPH	0	0	\$1,000	\$0
Grant	4/16/2011	Thunderstorm Wind	61 MPH	0	0	\$1,000	\$0
Pendleton	4/16/2011	Hail	1" Dia.	0	0	\$0	\$0
Pendleton	4/16/2011	Hail	1" Dia.	0	0	\$0	\$0
Pendleton	4/16/2011	Hail	1.25" Dia.	0	0	\$0	\$0
Pendleton	4/16/2011	Hail	1" Dia.	0	0	\$0	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Property Damage</i>	<i>Crop Damage</i>
Pendleton	4/16/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hampshire	4/16/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Pendleton	4/16/2011	Hail	1.5" Dia.	0	0	\$0	\$0
Grant	4/16/2011	Thunderstorm Wind	56 MPH	0	0	\$0	\$0
Grant	4/16/2011	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Grant	4/16/2011	Thunderstorm Wind	56 MPH	0	0	\$2,000	\$0
Grant	4/26/2011	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hardy	4/26/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Pendleton	4/26/2011	Hail	1" Dia.	0	0	\$0	\$0
Grant	4/26/2011	Thunderstorm Wind	56 MPH	0	0	\$1,000	\$0
Grant	4/26/2011	Hail	1" Dia.	0	0	\$0	\$0
Grant	4/26/2011	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	4/26/2011	Hail	1" Dia.	0	0	\$0	\$0
Hardy	4/26/2011	Thunderstorm Wind	56 MPH	0	0	\$1,000	\$0
Grant	4/27/2011	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Grant	4/27/2011	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Hampshire	4/28/2011	Thunderstorm Wind	56 MPH	0	0	\$1,000	\$0
Hardy	4/28/2011	Thunderstorm Wind	61 MPH	0	0	\$3,000	\$0
Hardy	4/28/2011	Thunderstorm Wind	61 MPH	0	0	\$2,000	\$0
Pendleton	5/13/2011	Hail	1" Dia.	0	0	\$0	\$0
Mineral	5/26/2011	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Mineral	5/26/2011	Hail	1" Dia.	0	0	\$0	\$0
Mineral	5/26/2011	Hail	1.5" Dia.	0	0	\$0	\$0
Mineral	5/26/2011	Hail	1" Dia.	0	0	\$0	\$0
Mineral	5/26/2011	Hail	1" Dia.	0	0	\$0	\$0
Hardy	5/26/2011	Hail	1" Dia.	0	0	\$0	\$0
Hardy	5/26/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Pendleton	5/26/2011	Hail	1" Dia.	0	0	\$0	\$0
Grant	5/26/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hardy	5/26/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hardy	5/26/2011	Thunderstorm Wind	56 MPH	0	0	\$5,000	\$0
Hampshire	6/9/2011	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	6/9/2011	Thunderstorm Wind	61 MPH	0	0	\$5,000	\$0
Hampshire	6/9/2011	Thunderstorm Wind	56 MPH	0	0	\$10,000	\$0
Hardy	6/18/2011	Thunderstorm Wind	52 MPH	0	0	\$500	\$0
Hampshire	7/7/2011	Thunderstorm Wind	45 MPH	0	0	\$1,000	\$0
Hampshire	7/11/2011	Thunderstorm Wind	45 MPH	0	0	\$1,000	\$0
Mineral	7/21/2011	Excessive Heat	N/A	0	0	\$0	\$0
Mineral	7/21/2011	Heat	N/A	0	0	\$0	\$0
Hampshire	7/21/2011	Heat	N/A	0	0	\$0	\$0
Hardy	7/22/2011	Heat	N/A	0	0	\$0	\$0
Hampshire	7/22/2011	Heat	N/A	0	0	\$0	\$0
Mineral	7/22/2011	Heat	N/A	0	0	\$0	\$0
Grant	7/22/2011	Heat	N/A	0	0	\$0	\$0
Hampshire	7/22/2011	Thunderstorm Wind	52 MPH	0	0	\$3,000	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Property Damage</i>	<i>Crop Damage</i>
Hampshire	7/22/2011	Thunderstorm Wind	56 MPH	0	0	\$1,000	\$0
Hampshire	7/22/2011	Thunderstorm Wind	52 MPH	0	0	\$3,000	\$0
Grant	7/22/2011	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Grant	7/22/2011	Thunderstorm Wind	52 MPH	0	0	\$3,000	\$0
Hardy	7/22/2011	Thunderstorm Wind	50 MPH	0	0	\$2,000	\$0
Hampshire	8/1/2011	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	8/1/2011	Hail	1.25" Dia.	0	0	\$0	\$0
Pendleton	9/3/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hardy	9/14/2011	Hail	1" Dia.	0	0	\$0	\$0
Hardy	9/14/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hardy	9/14/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hampshire	9/27/2011	Hail	1.5" Dia.	0	0	\$0	\$0
Hampshire	9/27/2011	Hail	1.25" Dia.	0	0	\$0	\$0
Hampshire	9/27/2011	Hail	1.5" Dia.	0	0	\$0	\$0
Hampshire	9/27/2011	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hardy	3/28/2012	Hail	1" Dia.	0	0	\$0	\$0
Pendleton	3/28/2012	Hail	1" Dia.	0	0	\$0	\$0
Mineral	5/29/2012	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$0
Hampshire	6/1/2012	Thunderstorm Wind	52 MPH	0	0	\$500	\$0
Grant	6/29/2012	Thunderstorm Wind	61 MPH	0	0	\$2,000	\$0
Pendleton	6/29/2012	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Pendleton	6/29/2012	Thunderstorm Wind	70 MPH	0	0	\$5,000	\$0
Grant	6/29/2012	Thunderstorm Wind	61 MPH	0	0	\$10,000	\$0
Mineral	6/29/2012	Thunderstorm Wind	57 MPH	0	0	\$5,000	\$0
Mineral	6/29/2012	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hardy	6/29/2012	Thunderstorm Wind	61 MPH	0	0	\$5,000	\$0
Mineral	6/29/2012	Thunderstorm Wind	61 MPH	0	0	\$2,000	\$0
Mineral	6/29/2012	Thunderstorm Wind	57 MPH	0	0	\$1,000	\$0
Hampshire	6/29/2012	Thunderstorm Wind	57 MPH	0	0	\$5,000	\$0
Hampshire	6/29/2012	Thunderstorm Wind	52 MPH	0	0	\$25,000	\$0
Hampshire	7/4/2012	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hampshire	7/4/2012	Thunderstorm Wind	56 MPH	0	0	\$1,000	\$0
Hardy	7/4/2012	Thunderstorm Wind	61 MPH	0	0	\$0	\$0
Hardy	7/4/2012	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Mineral	7/7/2012	Heat	N/A	0	0	\$0	\$0
Grant	7/7/2012	Heat	N/A	0	0	\$0	\$0
Hardy	7/7/2012	Heat	N/A	0	0	\$0	\$0
Hampshire	7/7/2012	Heat	N/A	0	0	\$0	\$0
Hampshire	7/8/2012	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hardy	7/8/2012	Thunderstorm Wind	56 MPH	0	0	\$1,000	\$0
Hardy	7/18/2012	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$0
Hardy	7/18/2012	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hardy	7/18/2012	Hail	1" Dia.	0	0	\$0	\$0
Hardy	7/18/2012	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Pendleton	7/18/2012	Thunderstorm Wind	52 MPH	0	0	\$0	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Property Damage</i>	<i>Crop Damage</i>
Pendleton	7/18/2012	Thunderstorm Wind	56 MPH	0	0	\$0	\$0
Mineral	7/24/2012	Thunderstorm Wind	56 MPH	0	0	\$1,000	\$0
Mineral	7/24/2012	Thunderstorm Wind	56 MPH	0	0	\$1,000	\$0
Grant	7/24/2012	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hardy	7/24/2012	Thunderstorm Wind	61 MPH	0	0	\$2,000	\$0
Hardy	7/24/2012	Thunderstorm Wind	61 MPH	0	0	\$2,000	\$0
Mineral	7/26/2012	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$0
Grant	7/31/2012	Hail	1" Dia.	0	0	\$0	\$0
Grant	7/31/2012	Hail	1" Dia.	0	0	\$0	\$0
Hardy	8/1/2012	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Grant	8/9/2012	Thunderstorm Wind	52 MPH	0	0	\$500	\$0
Hardy	8/14/2012	Thunderstorm Wind	52 MPH	0	0	\$500	\$0
Hardy	9/27/2012	Hail	1.75" Dia.	0	0	\$0	\$0
Pendleton	10/29/2012	High Wind	50 MPH	0	0	\$0	\$0
Grant	10/29/2012	High Wind	50 MPH	0	0	\$10,000	\$10,000
Grant	10/29/2012	High Wind	50 MPH	0	0	\$0	\$10,000
Hampshire	10/29/2012	High Wind	50 MPH	0	0	\$2,000	\$0
Hardy	10/29/2012	High Wind	50 MPH	0	0	\$0	\$0
Mineral	10/29/2012	High Wind	56 MPH	0	0	\$0	\$0
Mineral	10/29/2012	High Wind	56 MPH	0	0	\$0	\$0
Pendleton	10/30/2012	High Wind	50 MPH	0	0	\$0	\$0
Pendleton	12/21/2012	High Wind	51 MPH	0	0	\$0	\$0
Pendleton	12/21/2012	High Wind	51 MPH	0	0	\$0	\$0
Mineral	5/22/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$500
Mineral	5/22/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$500
Hampshire	5/23/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$500
Pendleton	6/13/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$500
Pendleton	6/13/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$500
Hardy	6/13/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$500
Hardy	6/13/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$2,000
Pendleton	6/23/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$100
Hampshire	6/24/2013	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	7/11/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$1,000
Grant	7/19/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Grant	7/19/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Pendleton	7/19/2013	Hail	1" Dia.	0	0	\$0	\$0
Pendleton	7/19/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hardy	7/19/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hardy	7/19/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Grant	7/19/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hardy	8/7/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Mineral	8/7/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$500
Hampshire	11/1/2013	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Mineral	11/17/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Pendleton	11/17/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$250



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

County	Date	Event Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
Hardy	11/17/2013	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Grant	12/22/2013	Thunderstorm Wind	50 MPH	0	0	\$0	\$250
Grant	12/22/2013	Thunderstorm Wind	50 MPH	0	0	\$0	\$250
Mineral	3/12/2014	High Wind	53 MPH	0	0	\$0	\$0
Pendleton	5/13/2014	Hail	1.75" Dia.	0	0	\$0	\$0
Hampshire	5/13/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Grant	6/8/2014	Thunderstorm Wind	52 MPH	0	0	\$10,000	\$0
Hardy	6/8/2014	Thunderstorm Wind	52 MPH	0	0	\$20,000	\$5,000
Hardy	6/8/2014	Thunderstorm Wind	52 MPH	0	0	\$20,000	\$10,000
Hardy	6/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$2,000
Hardy	6/25/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hampshire	6/25/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hampshire	7/2/2014	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	7/2/2014	Hail	1" Dia.	0	0	\$0	\$0
Hardy	7/3/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Grant	7/3/2014	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$500
Grant	7/3/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$1,000
Hardy	7/3/2014	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$1,000
Pendleton	7/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Grant	7/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$2,000
Mineral	7/8/2014	Thunderstorm Wind	55 MPH	0	0	\$0	\$0
Grant	7/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$3,000
Hardy	7/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hardy	7/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hardy	7/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hardy	7/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hardy	7/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hardy	7/8/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hampshire	7/10/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hampshire	7/10/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hampshire	7/13/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hampshire	7/13/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hampshire	7/13/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$500
Hampshire	7/27/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Pendleton	7/27/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hampshire	8/12/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Mineral	9/2/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$1,000
Mineral	9/2/2014	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$500
Mineral	9/2/2014	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$1,000
Hampshire	9/2/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$250
Hampshire	9/2/2014	Thunderstorm Wind	52 MPH	0	0	\$0	\$500
Hardy	10/15/2014	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$0
Hampshire	5/31/2015	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	5/31/2015	Thunderstorm Wind	50 MPH	0	0	\$1,000	\$0
Hampshire	6/20/2015	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Property Damage</i>	<i>Crop Damage</i>
Mineral	6/20/2015	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hardy	6/20/2015	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hampshire	6/20/2015	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Hampshire	6/23/2015	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Mineral	8/4/2015	Thunderstorm Wind	52 MPH	0	0	\$2,000	\$0
Hampshire	9/4/2015	Thunderstorm Wind	52 MPH	0	0	\$1,000	\$0
Mineral	9/4/2015	Thunderstorm Wind	61 MPH	0	0	\$2,000	\$0
Grant	11/13/2015	High Wind	52 MPH	0	0	\$0	\$0
Pendleton	3/28/2016	High Wind	50 MPH	0	0	\$0	\$0
Grant	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Hampshire	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Hardy	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Mineral	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Mineral	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Mineral	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Grant	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Hampshire	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Grant	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Grant	4/2/2016	High Wind	50 MPH	0	0	\$0	\$0
Grant	4/3/2016	High Wind	50 MPH	0	0	\$0	\$0
Grant	4/3/2016	High Wind	50 MPH	0	0	\$0	\$0
Pendleton	4/3/2016	High Wind	50 MPH	0	0	\$0	\$0
Hardy	6/16/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Mineral	6/16/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Pendleton	6/16/2016	Thunderstorm Wind	56 MPH	0	0	\$0	\$0
Pendleton	6/16/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	6/16/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	6/16/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Mineral	6/21/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	6/21/2016	Hail	1" Dia.	0	0	\$0	\$0
Hampshire	6/21/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Grant	6/24/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	6/24/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Grant	6/24/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Grant	6/24/2016	Hail	1.25" Dia.	0	0	\$0	\$0
Grant	6/24/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Grant	6/24/2016	Hail	1" Dia.	0	0	\$0	\$0
Grant	6/24/2016	Hail	1" Dia.	0	0	\$0	\$0
Grant	6/24/2016	Thunderstorm Wind	35 MPH	0	0	\$1,000	\$0
Grant	6/24/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	6/24/2016	Hail	1" Dia.	0	0	\$0	\$0
Hardy	6/24/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	6/24/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	8/13/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hardy	9/26/2016	Thunderstorm Wind	50 MPH	0	0	\$0	\$0



TABLE 5.1.M NCEI SEVERE SUMMER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Property Damage</i>	<i>Crop Damage</i>
Mineral	11/19/2016	High Wind	52 MPH	0	0	\$0	\$0
Pendleton	11/19/2016	High Wind	52 MPH	0	0	\$0	\$0
Pendleton	11/19/2016	High Wind	52 MPH	0	0	\$0	\$0
Grant	11/20/2016	High Wind	61 MPH	0	0	\$0	\$0
Hardy	3/1/2017	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Grant	3/1/2017	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Grant	3/1/2017	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	4/30/2017	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hampshire	4/30/2017	Hail	1.5" Dia.	0	0	\$0	\$0
Hampshire	4/30/2017	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hampshire	4/30/2017	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hampshire	4/30/2017	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hampshire	4/30/2017	Thunderstorm Wind	52 MPH	0	0	\$0	\$0
Hampshire	4/30/2017	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	4/30/2017	Hail	1" Dia.	0	0	\$0	\$0
Grant	6/14/2017	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Mineral	6/14/2017	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	7/7/2017	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Mineral	7/7/2017	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Hampshire	7/14/2017	Hail	1" Dia.	0	0	\$0	\$0
Mineral	7/17/2017	Hail	1" Dia.	0	0	\$0	\$0
Mineral	7/17/2017	Hail	1" Dia.	0	0	\$0	\$0
Mineral	7/17/2017	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Grant	7/22/2017	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Pendleton	7/22/2017	Thunderstorm Wind	50 MPH	0	0	\$0	\$0
Totals				0	10	\$1,841,200	\$650,100

SEVERE WINTER WEATHER

TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA					
County	Date	Event	Deaths	Injury	Property Damage
Hardy	1/7/1996	Blizzard	0	0	0
Hampshire	1/7/1996	Blizzard	0	0	0
Hardy	1/12/1996	Heavy Snow	0	0	0
Hampshire	1/12/1996	Heavy Snow	0	0	0
Hardy	2/3/1996	Heavy Snow	0	0	0
Hampshire	2/3/1996	Heavy Snow	0	0	0
Hampshire	12/5/1996	Heavy Snow	0	0	0
Hardy	12/5/1996	Heavy Snow	0	0	0
Hardy	12/19/1996	Heavy Snow	0	0	0
Hardy	1/9/1997	Winter Weather	0	0	0
Hampshire	1/9/1997	Winter Storm	0	0	0
Hardy	1/24/1997	Winter Weather	0	0	0
Hampshire	1/24/1997	Winter Weather	0	0	0
Hardy	2/8/1997	Heavy Snow	0	0	0
Hampshire	2/8/1997	Heavy Snow	0	0	0
Hampshire	2/13/1997	Winter Weather	0	0	0
Hardy	2/13/1997	Winter Weather	0	0	0
Hampshire	12/29/1997	Winter Storm	0	0	0
Hardy	12/29/1997	Winter Storm	0	0	0
Hardy	1/15/1998	Ice Storm	0	0	2,500
Hampshire	1/15/1998	Ice Storm	0	0	2,500
Hampshire	1/22/1998	Winter Weather	0	0	0
Hardy	1/22/1998	Winter Weather	0	0	0
Hardy	1/27/1998	Winter Storm	0	0	0
Hampshire	1/27/1998	Winter Storm	0	0	0
Hardy	2/4/1998	Winter Storm	0	0	0
Hampshire	2/4/1998	Winter Storm	0	0	0
Hardy	2/23/1998	Winter Storm	0	0	0
Hampshire	2/23/1998	Winter Storm	0	0	0
Hampshire	3/11/1998	Cold/Wind Chill	0	0	0
Hampshire	1/2/1999	Winter Storm	0	0	0
Hardy	1/2/1999	Winter Storm	0	0	0
Hardy	1/8/1999	Winter Storm	0	0	0
Hampshire	1/8/1999	Winter Storm	0	0	0
Hardy	1/14/1999	Ice Storm	0	0	10,000
Hampshire	1/14/1999	Ice Storm	0	0	10,000
Hardy	3/3/1999	Winter Weather	0	0	0
Hampshire	3/3/1999	Winter Weather	0	0	0
Hampshire	3/9/1999	Winter Storm	0	0	0
Hardy	3/9/1999	Winter Storm	0	0	0
Hardy	3/14/1999	Winter Storm	0	0	0
Hampshire	3/14/1999	Winter Storm	0	0	0
Hardy	1/20/2000	Winter Weather	0	0	0
Hampshire	1/20/2000	Winter Weather	0	0	0
Hardy	1/21/2000	Extreme Cold/Wind Chill	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Hampshire	1/21/2000	Extreme Cold/Wind Chill	0	0	0
Hampshire	1/22/2000	Extreme Cold/Wind Chill	0	0	0
Hardy	1/22/2000	Extreme Cold/Wind Chill	0	0	0
Hampshire	1/27/2000	Extreme Cold/Wind Chill	0	0	0
Hardy	1/27/2000	Extreme Cold/Wind Chill	0	0	0
Hardy	1/30/2000	Winter Weather	0	0	0
Hampshire	1/30/2000	Winter Weather	0	0	0
Hardy	2/18/2000	Winter Storm	0	0	0
Hampshire	2/18/2000	Winter Storm	0	0	0
Hardy	3/21/2000	Winter Weather	0	0	0
Hampshire	11/25/2000	Winter Weather	0	0	0
Hardy	11/25/2000	Winter Weather	0	0	0
Hampshire	12/13/2000	Ice Storm	0	0	0
Hardy	12/13/2000	Ice Storm	0	0	0
Hardy	12/19/2000	Winter Weather	0	0	0
Hampshire	12/19/2000	Winter Storm	0	0	0
Hardy	12/22/2000	Extreme Cold/Wind Chill	0	0	0
Hampshire	12/22/2000	Extreme Cold/Wind Chill	0	0	0
Hardy	1/5/2001	Winter Weather	0	0	0
Hampshire	1/5/2001	Winter Weather	0	0	0
Hampshire	1/8/2001	Winter Weather	0	0	0
Hardy	1/20/2001	Winter Storm	0	0	0
Hampshire	1/20/2001	Winter Storm	0	0	0
Hardy	2/22/2001	Winter Weather	0	0	0
Hampshire	2/22/2001	Winter Storm	0	0	0
Hampshire	3/4/2001	Winter Weather	0	0	0
Hampshire	4/19/2001	Extreme Cold/Wind Chill	0	0	0
Hardy	4/19/2001	Extreme Cold/Wind Chill	0	0	0
Hardy	1/6/2002	Winter Storm	0	0	0
Hampshire	1/6/2002	Winter Storm	0	0	0
Hardy	1/19/2002	Winter Storm	0	0	0
Hampshire	1/19/2002	Winter Weather	0	0	0
Hardy	10/29/2002	Winter Weather	0	0	0
Hampshire	10/29/2002	Winter Weather	0	0	0
Hampshire	12/5/2002	Winter Storm	0	0	0
Hardy	12/5/2002	Winter Storm	0	0	0
Hampshire	12/7/2002	Cold/Wind Chill	0	0	0
Hardy	12/7/2002	Cold/Wind Chill	0	0	0
Hampshire	12/11/2002	Ice Storm	0	0	0
Hardy	12/11/2002	Ice Storm	0	0	0
Hampshire	12/24/2002	Winter Weather	0	0	0
Hardy	12/24/2002	Winter Weather	0	0	0
Hardy	1/5/2003	Winter Weather	0	0	0
Hampshire	1/5/2003	Winter Weather	0	0	0
Hampshire	2/6/2003	Winter Storm	0	0	0
Hardy	2/6/2003	Winter Weather	0	0	0

TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Hampshire	2/14/2003	Winter Storm	0	0	0
Hardy	2/14/2003	Winter Storm	0	0	1,500,000
Hampshire	2/26/2003	Winter Weather	0	0	0
Hardy	2/26/2003	Winter Weather	0	0	0
Hardy	3/30/2003	Winter Storm	0	0	0
Hampshire	3/30/2003	Winter Storm	0	0	0
Hampshire	12/4/2003	Winter Storm	0	0	0
Hardy	12/4/2003	Winter Weather	0	0	0
Hampshire	12/14/2003	Winter Storm	0	0	0
Hardy	12/14/2003	Winter Storm	0	0	0
Hampshire	12/17/2003	Winter Weather	0	0	0
Hampshire	1/23/2004	Winter Storm	0	0	0
Hampshire	1/25/2004	Winter Storm	0	0	0
Hardy	1/25/2004	Winter Storm	0	0	0
Hampshire	2/3/2004	Winter Storm	0	0	0
Hardy	2/3/2004	Winter Storm	0	0	0
Hampshire	2/5/2004	Winter Storm	0	0	0
Hampshire	2/24/2005	Winter Storm	0	0	0
Hampshire	2/28/2005	Winter Storm	0	0	0
Hardy	2/28/2005	Winter Storm	0	0	0
Hardy	10/25/2005	Winter Storm	0	0	80,000
Hampshire	12/5/2005	Winter Weather	0	0	0
Hampshire	12/9/2005	Heavy Snow	0	0	0
Hardy	12/9/2005	Winter Weather	0	0	0
Hampshire	12/15/2005	Ice Storm	0	0	0
Hardy	12/15/2005	Ice Storm	0	0	0
Hardy	2/11/2006	Heavy Snow	0	0	0
Hampshire	2/11/2006	Heavy Snow	0	0	0
Grant	12/7/2006	Winter Weather	0	0	0
Mineral	12/7/2006	Winter Weather	0	0	0
Grant	1/9/2007	Winter Storm	0	0	0
Mineral	1/9/2007	Winter Weather	0	0	0
Mineral	1/19/2007	Winter Weather	0	0	0
Grant	1/19/2007	Winter Weather	0	0	0
Grant	1/21/2007	Winter Weather	0	0	0
Mineral	1/21/2007	Winter Weather	0	0	0
Grant	1/21/2007	Winter Weather	0	0	0
Mineral	1/21/2007	Winter Weather	0	0	0
Hardy	1/21/2007	Winter Weather	0	0	0
Grant	1/25/2007	Winter Storm	0	0	0
Grant	1/28/2007	Winter Weather	0	0	0
Grant	1/30/2007	Winter Storm	0	0	0
Grant	2/2/2007	Winter Storm	0	0	0
Grant	2/6/2007	Winter Storm	0	0	0
Mineral	2/6/2007	Winter Weather	0	0	0
Hampshire	2/6/2007	Winter Weather	0	0	0

TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Hardy	2/6/2007	Winter Weather	0	0	0
Grant	2/6/2007	Winter Storm	0	0	0
Grant	2/12/2007	Winter Weather	0	0	0
Mineral	2/12/2007	Winter Weather	0	0	0
Hampshire	2/12/2007	Winter Weather	0	0	0
Hardy	2/12/2007	Winter Storm	0	0	0
Grant	2/12/2007	Winter Weather	0	0	0
Grant	2/17/2007	Winter Weather	0	0	0
Hampshire	2/24/2007	Winter Storm	0	0	0
Mineral	2/24/2007	Winter Storm	0	0	0
Hardy	2/24/2007	Winter Weather	0	0	0
Grant	3/3/2007	Winter Weather	0	0	0
Hardy	3/7/2007	Winter Storm	0	0	0
Hampshire	3/7/2007	Winter Storm	0	0	0
Grant	3/7/2007	Winter Storm	0	0	0
Grant	3/7/2007	Winter Storm	0	0	0
Mineral	3/7/2007	Winter Storm	0	0	0
Mineral	3/7/2007	Winter Storm	0	0	0
Hampshire	3/16/2007	Winter Storm	0	0	0
Grant	3/16/2007	Winter Storm	0	0	0
Mineral	3/16/2007	Winter Storm	0	0	0
Mineral	3/16/2007	Winter Storm	0	0	0
Grant	3/16/2007	Winter Storm	0	0	0
Hardy	3/16/2007	Winter Storm	0	0	0
Grant	3/17/2007	Winter Weather	0	0	0
Grant	3/17/2007	Winter Weather	0	0	0
Hampshire	3/17/2007	Winter Weather	0	0	0
Grant	4/16/2007	Heavy Snow	0	0	0
Mineral	4/16/2007	Heavy Snow	0	0	0
Grant	11/15/2007	Winter Weather	0	0	0
Grant	12/3/2007	Heavy Snow	0	0	0
Grant	12/5/2007	Heavy Snow	0	0	0
Mineral	12/5/2007	Heavy Snow	0	0	0
Grant	12/5/2007	Heavy Snow	0	0	0
Hampshire	12/5/2007	Heavy Snow	0	0	0
Mineral	12/5/2007	Heavy Snow	0	0	0
Mineral	12/15/2007	Winter Storm	0	0	0
Hampshire	12/15/2007	Winter Storm	0	0	0
Mineral	12/15/2007	Winter Storm	0	0	0
Grant	12/15/2007	Winter Storm	0	0	0
Grant	12/15/2007	Winter Storm	0	0	0
Hardy	12/15/2007	Winter Storm	0	0	1,000
Grant	12/16/2007	Heavy Snow	0	0	0
Mineral	1/1/2008	Heavy Snow	0	0	0
Grant	1/1/2008	Heavy Snow	0	0	0
Grant	1/14/2008	Winter Weather	0	0	0

TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Hardy	1/17/2008	Winter Weather	0	0	0
Hampshire	1/17/2008	Winter Weather	0	0	0
Mineral	1/17/2008	Winter Weather	0	0	0
Mineral	1/17/2008	Winter Weather	0	0	0
Grant	1/17/2008	Winter Weather	0	0	0
Grant	1/17/2008	Winter Weather	0	0	0
Grant	1/24/2008	Winter Weather	0	0	0
Mineral	2/1/2008	Ice Storm	0	0	0
Hardy	2/1/2008	Ice Storm	0	0	0
Hampshire	2/1/2008	Ice Storm	0	0	0
Mineral	2/1/2008	Ice Storm	0	0	0
Grant	2/1/2008	Winter Weather	0	0	0
Grant	2/1/2008	Winter Weather	0	0	0
Grant	2/2/2008	Winter Weather	0	0	0
Mineral	2/12/2008	Winter Weather	0	0	0
Hardy	2/12/2008	Winter Weather	0	0	0
Hampshire	2/12/2008	Winter Weather	0	0	0
Mineral	2/12/2008	Winter Storm	0	0	0
Grant	2/12/2008	Winter Weather	0	0	0
Grant	2/12/2008	Winter Weather	0	0	0
Hampshire	2/20/2008	Winter Weather	0	0	0
Grant	2/20/2008	Heavy Snow	0	0	0
Grant	2/20/2008	Heavy Snow	0	0	0
Mineral	2/20/2008	Heavy Snow	0	0	0
Mineral	2/20/2008	Winter Weather	0	0	0
Hardy	2/20/2008	Winter Weather	0	0	0
Grant	2/27/2008	Heavy Snow	0	0	0
Grant	10/28/2008	Winter Weather	0	0	0
Grant	10/28/2008	Winter Weather	0	0	0
Mineral	10/28/2008	Winter Weather	0	0	0
Grant	11/17/2008	Heavy Snow	0	0	0
Mineral	11/17/2008	Winter Weather	0	0	0
Grant	11/20/2008	Heavy Snow	0	0	0
Grant	11/25/2008	Heavy Snow	0	0	0
Mineral	11/30/2008	Winter Weather	0	0	0
Grant	11/30/2008	Winter Weather	0	0	0
Grant	12/1/2008	Winter Weather	0	0	0
Grant	12/6/2008	Winter Storm	0	0	0
Grant	12/12/2008	Winter Weather	0	0	0
Grant	12/16/2008	Winter Storm	0	0	0
Mineral	12/16/2008	Winter Weather	0	0	0
Hampshire	12/16/2008	Winter Weather	0	0	0
Grant	12/21/2008	Winter Weather	0	0	0
Mineral	12/23/2008	Winter Weather	0	0	0
Mineral	12/23/2008	Winter Weather	0	0	0
Grant	12/23/2008	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	12/30/2008	Winter Weather	0	0	0
Hampshire	1/6/2009	Winter Storm	0	0	0
Grant	1/6/2009	Winter Weather	0	0	0
Mineral	1/6/2009	Winter Weather	0	0	0
Mineral	1/6/2009	Winter Weather	0	0	0
Hardy	1/6/2009	Winter Weather	0	0	0
Grant	1/6/2009	Winter Weather	0	0	0
Grant	1/7/2009	Winter Weather	0	0	0
Grant	1/10/2009	Winter Weather	0	0	0
Mineral	1/10/2009	Winter Weather	0	0	0
Grant	1/10/2009	Winter Weather	0	0	0
Grant	1/12/2009	Winter Weather	0	0	0
Grant	1/13/2009	Winter Weather	0	0	0
Grant	1/14/2009	Winter Storm	0	0	0
Grant	1/15/2009	Winter Weather	0	0	0
Mineral	1/15/2009	Winter Weather	0	0	0
Grant	1/18/2009	Winter Weather	0	0	0
Hardy	1/27/2009	Winter Storm	0	0	0
Mineral	1/27/2009	Winter Storm	0	0	0
Grant	1/27/2009	Winter Storm	0	0	0
Hampshire	1/27/2009	Winter Storm	0	0	0
Grant	1/27/2009	Winter Storm	0	0	0
Mineral	1/27/2009	Winter Storm	0	0	0
Grant	1/30/2009	Winter Weather	0	0	0
Grant	2/2/2009	Winter Weather	0	0	0
Mineral	2/2/2009	Winter Weather	0	0	0
Hardy	2/2/2009	Winter Weather	0	0	0
Hampshire	2/2/2009	Winter Weather	0	0	0
Mineral	2/19/2009	Winter Weather	0	0	0
Grant	2/19/2009	Winter Storm	0	0	0
Grant	2/22/2009	Winter Storm	0	0	0
Grant	4/6/2009	Winter Weather	0	0	0
Grant	11/27/2009	Winter Weather	0	0	0
Hardy	12/5/2009	Winter Storm	0	0	0
Mineral	12/5/2009	Winter Storm	0	0	0
Mineral	12/5/2009	Winter Storm	0	0	0
Grant	12/5/2009	Winter Storm	0	0	0
Grant	12/5/2009	Winter Storm	0	0	0
Hampshire	12/5/2009	Winter Storm	0	0	0
Mineral	12/8/2009	Winter Storm	0	0	0
Mineral	12/8/2009	Winter Weather	0	0	0
Hampshire	12/8/2009	Winter Weather	0	0	0
Grant	12/8/2009	Winter Storm	0	0	0
Grant	12/13/2009	Winter Weather	0	0	0
Mineral	12/13/2009	Winter Weather	0	0	0
Grant	12/13/2009	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Mineral	12/13/2009	Winter Weather	0	0	0
Hampshire	12/13/2009	Winter Weather	0	0	0
Hardy	12/13/2009	Winter Weather	0	0	0
Hampshire	12/18/2009	Winter Storm	0	0	0
Grant	12/18/2009	Winter Storm	0	0	0
Hardy	12/18/2009	Winter Storm	0	0	0
Grant	12/18/2009	Winter Storm	0	0	0
Mineral	12/18/2009	Winter Storm	0	0	0
Mineral	12/18/2009	Winter Storm	0	0	0
Hampshire	12/25/2009	Winter Weather	0	0	0
Hardy	12/25/2009	Winter Weather	0	0	0
Grant	12/28/2009	Winter Storm	0	0	0
Grant	12/31/2009	Winter Weather	0	0	0
Mineral	12/31/2009	Winter Weather	0	0	0
Grant	12/31/2009	Winter Weather	0	0	0
Hampshire	12/31/2009	Winter Weather	0	0	0
Hardy	12/31/2009	Winter Weather	0	0	0
Mineral	1/1/2010	Winter Storm	0	0	0
Grant	1/1/2010	Winter Storm	0	0	0
Grant	1/3/2010	Winter Weather	0	0	0
Mineral	1/3/2010	Winter Weather	0	0	0
Mineral	1/7/2010	Winter Storm	0	0	0
Grant	1/7/2010	Winter Storm	0	0	0
Hardy	1/21/2010	Winter Weather	0	0	0
Grant	1/21/2010	Winter Storm	0	0	0
Mineral	1/21/2010	Winter Weather	0	0	0
Mineral	1/21/2010	Winter Weather	0	0	0
Grant	1/25/2010	Winter Storm	0	0	0
Grant	1/30/2010	Winter Weather	0	0	0
Hardy	1/30/2010	Winter Weather	0	0	0
Mineral	1/30/2010	Winter Weather	0	0	0
Mineral	1/30/2010	Winter Weather	0	0	0
Grant	1/30/2010	Winter Storm	0	0	0
Grant	2/2/2010	Winter Storm	0	0	0
Hardy	2/2/2010	Winter Storm	0	0	0
Grant	2/2/2010	Winter Storm	0	0	0
Mineral	2/2/2010	Winter Weather	0	0	0
Hampshire	2/2/2010	Winter Weather	0	0	0
Mineral	2/2/2010	Winter Weather	0	0	0
Grant	2/5/2010	Winter Storm	0	0	0
Mineral	2/5/2010	Winter Storm	0	0	2,000
Mineral	2/5/2010	Winter Storm	0	0	10,000
Grant	2/5/2010	Winter Storm	0	0	0
Hardy	2/5/2010	Winter Storm	0	0	0
Hampshire	2/5/2010	Winter Storm	0	0	0
Mineral	2/9/2010	Winter Storm	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	2/9/2010	Winter Storm	0	0	0
Grant	2/9/2010	Winter Storm	0	0	0
Hardy	2/9/2010	Winter Storm	0	0	0
Mineral	2/9/2010	Winter Storm	0	0	0
Hampshire	2/9/2010	Winter Storm	0	0	0
Grant	2/10/2010	Blizzard	0	0	0
Mineral	2/10/2010	Blizzard	0	0	0
Grant	2/11/2010	Winter Weather	0	0	0
Mineral	2/11/2010	Winter Weather	0	0	0
Grant	2/13/2010	Winter Weather	0	0	0
Mineral	2/15/2010	Winter Storm	0	0	0
Grant	2/15/2010	Winter Storm	0	0	0
Hardy	2/15/2010	Winter Weather	0	0	0
Mineral	2/15/2010	Winter Weather	0	0	0
Grant	2/25/2010	Winter Storm	0	0	0
Mineral	2/25/2010	Winter Storm	0	0	0
Grant	2/25/2010	Blizzard	0	0	0
Mineral	2/25/2010	Blizzard	0	0	0
Grant	12/5/2010	Winter Storm	0	0	0
Mineral	12/5/2010	Winter Weather	0	0	0
Pendleton	12/5/2010	Winter Storm	0	0	0
Pendleton	12/6/2010	Blizzard	0	0	0
Grant	12/6/2010	Blizzard	0	0	0
Mineral	12/6/2010	Blizzard	0	0	0
Grant	12/12/2010	Winter Weather	0	0	0
Pendleton	12/12/2010	Winter Weather	0	0	0
Mineral	12/12/2010	Winter Weather	0	0	0
Mineral	12/12/2010	Winter Weather	0	0	0
Hardy	12/12/2010	Winter Weather	0	0	0
Hampshire	12/12/2010	Winter Weather	0	0	0
Pendleton	12/14/2010	Extreme Cold/Wind Chill	0	0	0
Grant	12/14/2010	Extreme Cold/Wind Chill	0	0	0
Pendleton	12/16/2010	Winter Weather	0	0	0
Pendleton	12/16/2010	Winter Weather	0	0	0
Hampshire	12/16/2010	Winter Weather	0	0	0
Hardy	12/16/2010	Winter Weather	0	0	0
Grant	12/16/2010	Winter Weather	0	0	0
Grant	12/16/2010	Winter Weather	0	0	0
Mineral	12/16/2010	Winter Weather	0	0	0
Mineral	12/16/2010	Winter Weather	0	0	0
Grant	12/26/2010	Winter Weather	0	0	0
Pendleton	12/26/2010	Winter Weather	0	0	0
Mineral	12/30/2010	Winter Weather	0	0	0
Hampshire	12/30/2010	Winter Weather	0	0	0
Pendleton	12/30/2010	Winter Weather	0	0	0
Grant	12/30/2010	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Hardy	12/30/2010	Winter Weather	0	0	0
Pendleton	12/30/2010	Winter Weather	0	0	0
Grant	1/6/2011	Winter Weather	0	0	0
Pendleton	1/6/2011	Winter Weather	0	0	0
Mineral	1/6/2011	Winter Weather	0	0	0
Mineral	1/8/2011	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/8/2011	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/8/2011	Extreme Cold/Wind Chill	0	0	0
Grant	1/8/2011	Extreme Cold/Wind Chill	0	0	0
Mineral	1/11/2011	Winter Weather	0	0	0
Pendleton	1/11/2011	Winter Weather	0	0	0
Grant	1/11/2011	Winter Weather	0	0	0
Grant	1/11/2011	Winter Storm	0	0	0
Pendleton	1/11/2011	Winter Storm	0	0	0
Pendleton	1/12/2011	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/12/2011	Extreme Cold/Wind Chill	0	0	0
Mineral	1/12/2011	Extreme Cold/Wind Chill	0	0	0
Grant	1/12/2011	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/12/2011	Extreme Cold/Wind Chill	0	0	0
Hampshire	1/17/2011	Winter Weather	0	0	0
Hardy	1/17/2011	Winter Weather	0	0	0
Grant	1/20/2011	Winter Weather	0	0	0
Mineral	1/21/2011	Extreme Cold/Wind Chill	0	0	0
Grant	1/21/2011	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/21/2011	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/21/2011	Extreme Cold/Wind Chill	0	0	0
Grant	1/22/2011	Extreme Cold/Wind Chill	0	0	0
Mineral	1/22/2011	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/23/2011	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/23/2011	Extreme Cold/Wind Chill	0	0	0
Mineral	1/26/2011	Winter Storm	0	0	0
Pendleton	1/26/2011	Winter Storm	0	0	0
Grant	1/26/2011	Winter Storm	0	0	0
Mineral	1/26/2011	Winter Storm	0	0	0
Pendleton	1/26/2011	Winter Storm	0	0	0
Grant	1/26/2011	Winter Storm	0	0	0
Hampshire	1/26/2011	Winter Storm	0	0	0
Hardy	1/26/2011	Winter Storm	0	0	0
Mineral	2/1/2011	Winter Weather	0	0	0
Hampshire	2/1/2011	Winter Weather	0	0	0
Mineral	2/1/2011	Winter Weather	0	0	0
Hampshire	2/1/2011	Winter Weather	0	0	0
Hampshire	2/5/2011	Winter Weather	0	0	0
Mineral	2/5/2011	Winter Weather	0	0	0
Mineral	2/5/2011	Winter Weather	0	0	0
Grant	2/21/2011	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	2/21/2011	Winter Weather	0	0	0
Mineral	2/21/2011	Winter Weather	0	0	0
Hampshire	2/21/2011	Winter Weather	0	0	0
Mineral	2/21/2011	Winter Weather	0	0	0
Hardy	2/21/2011	Winter Weather	0	0	0
Pendleton	2/21/2011	Winter Weather	0	0	0
Pendleton	2/21/2011	Winter Weather	0	0	0
Mineral	3/6/2011	Winter Weather	0	0	0
Pendleton	3/6/2011	Winter Weather	0	0	0
Grant	3/6/2011	Winter Weather	0	0	0
Hardy	3/6/2011	Winter Weather	0	0	0
Hampshire	3/6/2011	Winter Weather	0	0	0
Pendleton	3/9/2011	Winter Weather	0	0	0
Mineral	3/9/2011	Winter Weather	0	0	0
Pendleton	3/27/2011	Winter Weather	0	0	0
Pendleton	3/27/2011	Winter Weather	0	0	0
Grant	3/27/2011	Winter Weather	0	0	0
Hardy	3/27/2011	Winter Weather	0	0	0
Pendleton	4/1/2011	Winter Storm	0	0	0
Hampshire	10/28/2011	Winter Storm	0	0	0
Grant	10/28/2011	Winter Storm	0	0	0
Pendleton	10/28/2011	Winter Storm	0	0	0
Hardy	10/28/2011	Winter Storm	0	0	0
Pendleton	10/28/2011	Winter Storm	0	0	0
Grant	10/28/2011	Winter Storm	0	0	0
Mineral	10/28/2011	Winter Storm	0	0	0
Mineral	10/28/2011	Winter Storm	0	0	0
Pendleton	12/7/2011	Winter Storm	0	0	0
Mineral	12/7/2011	Winter Storm	0	0	0
Grant	12/7/2011	Winter Storm	0	0	0
Mineral	1/2/2012	Winter Weather	0	0	0
Pendleton	1/2/2012	Winter Storm	0	0	0
Grant	1/2/2012	Winter Storm	0	0	0
Mineral	1/2/2012	Winter Weather	0	0	0
Pendleton	1/2/2012	Winter Storm	0	0	0
Grant	1/2/2012	Winter Storm	0	0	0
Pendleton	1/11/2012	Winter Weather	0	0	0
Grant	1/11/2012	Winter Weather	0	0	0
Grant	1/11/2012	Winter Weather	0	0	0
Pendleton	1/11/2012	Winter Weather	0	0	0
Pendleton	1/11/2012	Winter Weather	0	0	0
Grant	1/11/2012	Winter Weather	0	0	0
Grant	1/11/2012	Winter Weather	0	0	0
Pendleton	1/11/2012	Winter Weather	0	0	0
Grant	1/12/2012	Winter Weather	0	0	0
Pendleton	1/12/2012	Winter Weather	0	0	0

TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	1/12/2012	Winter Weather	0	0	0
Pendleton	1/12/2012	Winter Weather	0	0	0
Mineral	1/16/2012	Winter Weather	0	0	0
Mineral	1/16/2012	Winter Weather	0	0	0
Mineral	1/16/2012	Winter Weather	0	0	0
Mineral	1/16/2012	Winter Weather	0	0	0
Grant	1/20/2012	Winter Weather	0	0	0
Mineral	1/20/2012	Winter Weather	0	0	0
Mineral	1/20/2012	Winter Weather	0	0	0
Hampshire	1/20/2012	Winter Weather	0	0	0
Hardy	1/20/2012	Winter Weather	0	0	0
Grant	1/20/2012	Winter Weather	0	0	0
Grant	1/20/2012	Winter Weather	0	0	0
Mineral	1/20/2012	Winter Weather	0	0	0
Mineral	1/20/2012	Winter Weather	0	0	0
Hampshire	1/20/2012	Winter Weather	0	0	0
Hardy	1/20/2012	Winter Weather	0	0	0
Grant	1/20/2012	Winter Weather	0	0	0
Mineral	1/22/2012	Winter Weather	0	0	0
Hampshire	1/22/2012	Winter Weather	0	0	0
Hardy	1/22/2012	Winter Weather	0	0	0
Grant	1/22/2012	Winter Weather	0	0	0
Grant	1/22/2012	Winter Weather	0	0	0
Mineral	1/22/2012	Winter Weather	0	0	0
Mineral	1/22/2012	Winter Weather	0	0	0
Hampshire	1/22/2012	Winter Weather	0	0	0
Hardy	1/22/2012	Winter Weather	0	0	0
Grant	1/22/2012	Winter Weather	0	0	0
Grant	1/22/2012	Winter Weather	0	0	0
Mineral	1/22/2012	Winter Weather	0	0	0
Grant	2/10/2012	Winter Storm	0	0	0
Pendleton	2/10/2012	Winter Storm	0	0	0
Grant	2/10/2012	Winter Storm	0	0	0
Pendleton	2/10/2012	Winter Storm	0	0	0
Pendleton	2/25/2012	Winter Weather	0	0	0
Mineral	2/25/2012	Winter Weather	0	0	0
Grant	2/25/2012	Winter Weather	0	0	0
Pendleton	2/25/2012	Winter Weather	0	0	0
Mineral	2/25/2012	Winter Weather	0	0	0
Grant	2/25/2012	Winter Weather	0	0	0
Grant	4/23/2012	Winter Weather	0	0	0
Pendleton	4/23/2012	Winter Weather	0	0	0
Mineral	4/23/2012	Winter Weather	0	0	0
Grant	4/23/2012	Winter Weather	0	0	0
Pendleton	4/23/2012	Winter Weather	0	0	0
Mineral	4/23/2012	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	10/29/2012	Blizzard	0	0	0
Pendleton	10/29/2012	Blizzard	0	0	0
Pendleton	10/29/2012	Blizzard	0	0	0
Mineral	10/29/2012	Blizzard	0	0	0
Grant	10/29/2012	Blizzard	0	0	0
Pendleton	10/29/2012	Blizzard	0	0	0
Pendleton	10/29/2012	Blizzard	0	0	0
Mineral	10/29/2012	Blizzard	0	0	0
Mineral	12/21/2012	Blizzard	0	0	0
Pendleton	12/21/2012	Blizzard	0	0	0
Grant	12/21/2012	Blizzard	0	0	0
Mineral	12/21/2012	Blizzard	0	0	0
Pendleton	12/21/2012	Blizzard	0	0	0
Grant	12/21/2012	Blizzard	0	0	0
Hampshire	12/24/2012	Winter Weather	0	0	0
Hardy	12/24/2012	Winter Weather	0	0	0
Hampshire	12/24/2012	Winter Weather	0	0	0
Hardy	12/24/2012	Winter Weather	0	0	0
Mineral	12/26/2012	Winter Storm	0	0	0
Grant	12/26/2012	Winter Storm	0	0	0
Pendleton	12/26/2012	Winter Weather	0	0	0
Pendleton	12/26/2012	Winter Storm	0	0	0
Hardy	12/26/2012	Winter Storm	0	0	0
Hampshire	12/26/2012	Winter Storm	0	0	0
Mineral	12/26/2012	Winter Storm	0	0	0
Grant	12/26/2012	Winter Storm	0	0	0
Mineral	12/26/2012	Winter Storm	0	0	0
Grant	12/26/2012	Winter Storm	0	0	0
Pendleton	12/26/2012	Winter Weather	0	0	0
Pendleton	12/26/2012	Winter Storm	0	0	0
Hardy	12/26/2012	Winter Storm	0	0	0
Hampshire	12/26/2012	Winter Storm	0	0	0
Mineral	12/26/2012	Winter Storm	0	0	0
Grant	12/26/2012	Winter Storm	0	0	0
Grant	12/29/2012	Winter Weather	0	0	0
Mineral	12/29/2012	Winter Weather	0	0	0
Pendleton	12/29/2012	Winter Weather	0	0	0
Grant	12/29/2012	Winter Weather	0	0	0
Mineral	12/29/2012	Winter Weather	0	0	0
Pendleton	12/29/2012	Winter Weather	0	0	0
Grant	1/14/2013	Winter Weather	0	0	0
Mineral	1/14/2013	Winter Weather	0	0	0
Grant	1/14/2013	Winter Weather	0	0	0
Mineral	1/14/2013	Winter Weather	0	0	0
Pendleton	1/15/2013	Winter Weather	0	0	0
Pendleton	1/15/2013	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Mineral	1/15/2013	Winter Weather	0	0	0
Grant	1/15/2013	Winter Weather	0	0	0
Grant	1/15/2013	Winter Weather	0	0	0
Hardy	1/15/2013	Winter Weather	0	0	0
Hampshire	1/15/2013	Winter Weather	0	0	0
Mineral	1/15/2013	Winter Weather	0	0	0
Pendleton	1/15/2013	Winter Weather	0	0	0
Pendleton	1/15/2013	Winter Weather	0	0	0
Mineral	1/15/2013	Winter Weather	0	0	0
Grant	1/15/2013	Winter Weather	0	0	0
Grant	1/15/2013	Winter Weather	0	0	0
Hardy	1/15/2013	Winter Weather	0	0	0
Hampshire	1/15/2013	Winter Weather	0	0	0
Mineral	1/15/2013	Winter Weather	0	0	0
Pendleton	1/23/2013	Winter Storm	0	0	0
Grant	1/23/2013	Winter Weather	0	0	0
Pendleton	1/23/2013	Winter Storm	0	0	0
Grant	1/23/2013	Winter Weather	0	0	0
Hampshire	1/25/2013	Winter Weather	0	0	0
Pendleton	1/25/2013	Winter Weather	0	0	0
Grant	1/25/2013	Winter Weather	0	0	0
Mineral	1/25/2013	Winter Weather	0	0	0
Hampshire	1/25/2013	Winter Weather	0	0	0
Pendleton	1/25/2013	Winter Weather	0	0	0
Grant	1/25/2013	Winter Weather	0	0	0
Mineral	1/25/2013	Winter Weather	0	0	0
Mineral	1/28/2013	Winter Weather	0	0	0
Mineral	1/28/2013	Winter Weather	0	0	0
Pendleton	1/28/2013	Winter Weather	0	0	0
Pendleton	1/28/2013	Winter Weather	0	0	0
Grant	1/28/2013	Winter Weather	0	0	0
Grant	1/28/2013	Winter Weather	0	0	0
Hardy	1/28/2013	Winter Weather	0	0	0
Hampshire	1/28/2013	Winter Weather	0	0	0
Mineral	1/28/2013	Winter Weather	0	0	0
Mineral	1/28/2013	Winter Weather	0	0	0
Pendleton	1/28/2013	Winter Weather	0	0	0
Pendleton	1/28/2013	Winter Weather	0	0	0
Grant	1/28/2013	Winter Weather	0	0	0
Grant	1/28/2013	Winter Weather	0	0	0
Hardy	1/28/2013	Winter Weather	0	0	0
Hampshire	1/28/2013	Winter Weather	0	0	0
Grant	1/31/2013	Winter Weather	0	0	0
Pendleton	1/31/2013	Winter Weather	0	0	0
Mineral	1/31/2013	Winter Weather	0	0	0
Grant	1/31/2013	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Pendleton	1/31/2013	Winter Weather	0	0	0
Mineral	1/31/2013	Winter Weather	0	0	0
Grant	2/2/2013	Winter Weather	0	0	0
Mineral	2/2/2013	Winter Weather	0	0	0
Grant	2/2/2013	Winter Weather	0	0	0
Mineral	2/2/2013	Winter Weather	0	0	0
Pendleton	2/4/2013	Winter Storm	0	0	0
Mineral	2/4/2013	Winter Weather	0	0	0
Grant	2/4/2013	Winter Weather	0	0	0
Hampshire	2/4/2013	Winter Weather	0	0	0
Mineral	2/4/2013	Winter Weather	0	0	0
Grant	2/4/2013	Winter Weather	0	0	0
Hardy	2/4/2013	Winter Weather	0	0	0
Pendleton	2/4/2013	Winter Storm	0	0	0
Mineral	2/4/2013	Winter Weather	0	0	0
Grant	2/4/2013	Winter Weather	0	0	0
Hampshire	2/4/2013	Winter Weather	0	0	0
Mineral	2/4/2013	Winter Weather	0	0	0
Grant	2/4/2013	Winter Weather	0	0	0
Hardy	2/4/2013	Winter Weather	0	0	0
Pendleton	2/8/2013	Winter Weather	0	0	0
Pendleton	2/8/2013	Winter Weather	0	0	0
Pendleton	2/13/2013	Winter Weather	0	0	0
Pendleton	2/13/2013	Winter Weather	0	0	0
Grant	2/16/2013	Winter Storm	0	0	0
Pendleton	2/16/2013	Winter Storm	0	0	0
Grant	2/16/2013	Winter Storm	0	0	0
Pendleton	2/16/2013	Winter Storm	0	0	0
Pendleton	2/19/2013	Winter Weather	0	0	0
Pendleton	2/19/2013	Winter Weather	0	0	0
Pendleton	2/22/2013	Winter Weather	0	0	0
Grant	2/22/2013	Winter Weather	0	0	0
Grant	2/22/2013	Winter Weather	0	0	0
Hardy	2/22/2013	Winter Weather	0	0	0
Pendleton	2/22/2013	Winter Weather	0	0	0
Mineral	2/22/2013	Winter Weather	0	0	0
Hampshire	2/22/2013	Winter Weather	0	0	0
Mineral	2/22/2013	Winter Weather	0	0	0
Pendleton	2/22/2013	Winter Weather	0	0	0
Grant	2/22/2013	Winter Weather	0	0	0
Grant	2/22/2013	Winter Weather	0	0	0
Hardy	2/22/2013	Winter Weather	0	0	0
Pendleton	2/22/2013	Winter Weather	0	0	0
Mineral	2/22/2013	Winter Weather	0	0	0
Hampshire	2/22/2013	Winter Weather	0	0	0
Mineral	2/22/2013	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Pendleton	2/26/2013	Winter Storm	0	0	0
Pendleton	2/26/2013	Winter Storm	0	0	0
Hardy	2/26/2013	Winter Weather	0	0	0
Grant	2/26/2013	Winter Storm	0	0	0
Grant	2/26/2013	Winter Weather	0	0	0
Hampshire	2/26/2013	Winter Weather	0	0	0
Mineral	2/26/2013	Winter Weather	0	0	0
Mineral	2/26/2013	Winter Weather	0	0	0
Pendleton	2/26/2013	Winter Storm	0	0	0
Pendleton	2/26/2013	Winter Storm	0	0	0
Hardy	2/26/2013	Winter Weather	0	0	0
Grant	2/26/2013	Winter Storm	0	0	0
Grant	2/26/2013	Winter Weather	0	0	0
Hampshire	2/26/2013	Winter Weather	0	0	0
Mineral	2/26/2013	Winter Weather	0	0	0
Mineral	2/26/2013	Winter Weather	0	0	0
Grant	2/28/2013	Winter Weather	0	0	0
Pendleton	2/28/2013	Winter Weather	0	0	0
Grant	2/28/2013	Winter Weather	0	0	0
Pendleton	2/28/2013	Winter Weather	0	0	0
Pendleton	3/2/2013	Winter Weather	0	0	0
Pendleton	3/2/2013	Winter Weather	0	0	0
Pendleton	3/5/2013	Winter Storm	0	0	0
Pendleton	3/5/2013	Winter Storm	0	0	0
Mineral	3/5/2013	Winter Storm	0	0	0
Grant	3/5/2013	Winter Storm	0	0	0
Grant	3/5/2013	Winter Storm	0	0	0
Hardy	3/5/2013	Winter Storm	0	0	0
Hampshire	3/5/2013	Winter Storm	0	0	0
Mineral	3/5/2013	Winter Storm	0	0	0
Pendleton	3/5/2013	Winter Storm	0	0	0
Pendleton	3/5/2013	Winter Storm	0	0	0
Mineral	3/5/2013	Winter Storm	0	0	0
Grant	3/5/2013	Winter Storm	0	0	0
Grant	3/5/2013	Winter Storm	0	0	0
Hardy	3/5/2013	Winter Storm	0	0	0
Hampshire	3/5/2013	Winter Storm	0	0	0
Mineral	3/5/2013	Winter Storm	0	0	0
Grant	3/17/2013	Winter Weather	0	0	0
Pendleton	3/17/2013	Winter Storm	0	0	0
Pendleton	3/17/2013	Winter Weather	0	0	0
Grant	3/17/2013	Winter Weather	0	0	0
Hardy	3/17/2013	Winter Weather	0	0	0
Grant	3/17/2013	Winter Weather	0	0	0
Pendleton	3/17/2013	Winter Storm	0	0	0
Pendleton	3/17/2013	Winter Weather	0	0	0

TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	3/17/2013	Winter Weather	0	0	0
Hardy	3/17/2013	Winter Weather	0	0	0
Mineral	3/18/2013	Winter Weather	0	0	0
Hampshire	3/18/2013	Winter Weather	0	0	0
Mineral	3/18/2013	Winter Weather	0	0	0
Mineral	3/18/2013	Winter Weather	0	0	0
Pendleton	3/18/2013	Winter Weather	0	0	0
Grant	3/18/2013	Winter Weather	0	0	0
Mineral	3/18/2013	Winter Weather	0	0	0
Grant	3/18/2013	Winter Weather	0	0	0
Hampshire	3/18/2013	Winter Weather	0	0	0
Pendleton	3/18/2013	Winter Weather	0	0	0
Hardy	3/18/2013	Winter Weather	0	0	0
Mineral	3/18/2013	Winter Weather	0	0	0
Hampshire	3/18/2013	Winter Weather	0	0	0
Mineral	3/18/2013	Winter Weather	0	0	0
Mineral	3/18/2013	Winter Weather	0	0	0
Pendleton	3/18/2013	Winter Weather	0	0	0
Grant	3/18/2013	Winter Weather	0	0	0
Mineral	3/18/2013	Winter Weather	0	0	0
Grant	3/18/2013	Winter Weather	0	0	0
Hampshire	3/18/2013	Winter Weather	0	0	0
Pendleton	3/18/2013	Winter Weather	0	0	0
Hardy	3/18/2013	Winter Weather	0	0	0
Mineral	3/24/2013	Winter Storm	0	0	0
Pendleton	3/24/2013	Winter Storm	0	0	0
Pendleton	3/24/2013	Winter Storm	0	0	0
Grant	3/24/2013	Winter Storm	0	0	0
Mineral	3/24/2013	Winter Storm	0	0	0
Hardy	3/24/2013	Winter Storm	0	0	0
Hampshire	3/24/2013	Winter Storm	0	0	0
Grant	3/24/2013	Winter Storm	0	0	0
Mineral	3/24/2013	Winter Storm	0	0	0
Pendleton	3/24/2013	Winter Storm	0	0	0
Pendleton	3/24/2013	Winter Storm	0	0	0
Grant	3/24/2013	Winter Storm	0	0	0
Mineral	3/24/2013	Winter Storm	0	0	0
Hardy	3/24/2013	Winter Storm	0	0	0
Hampshire	3/24/2013	Winter Storm	0	0	0
Grant	3/24/2013	Winter Storm	0	0	0
Pendleton	3/26/2013	Winter Storm	0	0	0
Pendleton	3/26/2013	Winter Storm	0	0	0
Pendleton	3/27/2013	Winter Weather	0	0	0
Pendleton	3/27/2013	Winter Weather	0	0	0
Pendleton	4/4/2013	Winter Weather	0	0	0
Pendleton	4/4/2013	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	4/4/2013	Winter Weather	0	0	0
Hardy	4/4/2013	Winter Weather	0	0	0
Pendleton	4/4/2013	Winter Weather	0	0	0
Pendleton	4/4/2013	Winter Weather	0	0	0
Grant	4/4/2013	Winter Weather	0	0	0
Hardy	4/4/2013	Winter Weather	0	0	0
Grant	11/12/2013	Winter Weather	0	0	0
Grant	11/12/2013	Winter Weather	0	0	0
Pendleton	11/26/2013	Winter Weather	0	0	0
Grant	11/26/2013	Winter Weather	0	0	0
Grant	11/26/2013	Winter Weather	0	0	0
Hardy	11/26/2013	Winter Weather	0	0	0
Hampshire	11/26/2013	Winter Weather	0	0	0
Mineral	11/26/2013	Winter Weather	0	0	0
Mineral	11/26/2013	Winter Weather	0	0	0
Pendleton	11/26/2013	Winter Weather	0	0	0
Pendleton	11/26/2013	Winter Weather	0	0	0
Grant	11/26/2013	Winter Weather	0	0	0
Grant	11/26/2013	Winter Weather	0	0	0
Hardy	11/26/2013	Winter Weather	0	0	0
Hampshire	11/26/2013	Winter Weather	0	0	0
Mineral	11/26/2013	Winter Weather	0	0	0
Mineral	11/26/2013	Winter Weather	0	0	0
Pendleton	11/26/2013	Winter Weather	0	0	0
Grant	11/27/2013	Winter Weather	0	0	0
Grant	11/27/2013	Winter Weather	0	0	0
Mineral	12/6/2013	Winter Weather	0	0	0
Grant	12/6/2013	Winter Weather	0	0	0
Mineral	12/6/2013	Winter Weather	0	0	0
Grant	12/6/2013	Winter Weather	0	0	0
Hardy	12/8/2013	Winter Storm	0	0	0
Pendleton	12/8/2013	Winter Storm	0	0	0
Pendleton	12/8/2013	Winter Storm	0	0	0
Grant	12/8/2013	Winter Storm	0	0	0
Grant	12/8/2013	Winter Storm	0	0	0
Hampshire	12/8/2013	Winter Storm	0	0	0
Mineral	12/8/2013	Winter Storm	0	0	0
Mineral	12/8/2013	Winter Storm	0	0	0
Hardy	12/8/2013	Winter Storm	0	0	0
Pendleton	12/8/2013	Winter Storm	0	0	0
Pendleton	12/8/2013	Winter Storm	0	0	0
Grant	12/8/2013	Winter Storm	0	0	0
Grant	12/8/2013	Winter Storm	0	0	0
Hampshire	12/8/2013	Winter Storm	0	0	0
Mineral	12/8/2013	Winter Storm	0	0	0
Mineral	12/8/2013	Winter Storm	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Hampshire	12/10/2013	Winter Weather	0	0	0
Hardy	12/10/2013	Winter Weather	0	0	0
Hampshire	12/10/2013	Winter Weather	0	0	0
Hardy	12/10/2013	Winter Weather	0	0	0
Grant	12/14/2013	Winter Weather	0	0	0
Pendleton	12/14/2013	Winter Weather	0	0	0
Pendleton	12/14/2013	Winter Weather	0	0	0
Grant	12/14/2013	Winter Storm	0	0	0
Hampshire	12/14/2013	Winter Storm	0	0	0
Mineral	12/14/2013	Winter Storm	0	0	0
Mineral	12/14/2013	Winter Weather	0	0	0
Hardy	12/14/2013	Winter Weather	0	0	0
Grant	12/14/2013	Winter Weather	0	0	0
Pendleton	12/14/2013	Winter Weather	0	0	0
Pendleton	12/14/2013	Winter Weather	0	0	0
Grant	12/14/2013	Winter Storm	0	0	0
Hampshire	12/14/2013	Winter Storm	0	0	0
Mineral	12/14/2013	Winter Storm	0	0	0
Mineral	12/14/2013	Winter Weather	0	0	0
Hardy	12/14/2013	Winter Weather	0	0	0
Pendleton	1/2/2014	Winter Weather	0	0	0
Hardy	1/2/2014	Winter Weather	0	0	0
Hampshire	1/2/2014	Winter Weather	0	0	0
Grant	1/2/2014	Winter Weather	0	0	0
Pendleton	1/2/2014	Winter Weather	0	0	0
Hardy	1/2/2014	Winter Weather	0	0	0
Hampshire	1/2/2014	Winter Weather	0	0	0
Grant	1/2/2014	Winter Weather	0	0	0
Mineral	1/3/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/3/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/3/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/3/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/3/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/3/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/3/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/3/2014	Extreme Cold/Wind Chill	0	0	0
Hampshire	1/5/2014	Winter Weather	0	0	0
Hardy	1/5/2014	Winter Weather	0	0	0
Mineral	1/5/2014	Winter Weather	0	0	0
Mineral	1/5/2014	Winter Weather	0	0	0
Hampshire	1/5/2014	Winter Weather	0	0	0
Hardy	1/5/2014	Winter Weather	0	0	0
Mineral	1/5/2014	Winter Weather	0	0	0
Mineral	1/5/2014	Winter Weather	0	0	0
Grant	1/6/2014	Winter Weather	0	0	0
Mineral	1/6/2014	Extreme Cold/Wind Chill	0	0	0

TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	1/6/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/6/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/6/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/6/2014	Winter Weather	0	0	0
Mineral	1/6/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/6/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/6/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/6/2014	Extreme Cold/Wind Chill	0	0	0
Hardy	1/7/2014	Extreme Cold/Wind Chill	0	0	0
Hampshire	1/7/2014	Extreme Cold/Wind Chill	0	0	0
Hardy	1/7/2014	Extreme Cold/Wind Chill	0	0	0
Hampshire	1/7/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/10/2014	Winter Weather	0	0	0
Pendleton	1/10/2014	Winter Weather	0	0	0
Mineral	1/10/2014	Winter Weather	0	0	0
Grant	1/10/2014	Winter Weather	0	0	0
Mineral	1/10/2014	Winter Weather	0	0	0
Hardy	1/10/2014	Winter Weather	0	0	0
Hampshire	1/10/2014	Winter Weather	0	0	0
Grant	1/10/2014	Winter Weather	0	0	0
Pendleton	1/10/2014	Winter Weather	0	0	0
Pendleton	1/10/2014	Winter Weather	0	0	0
Mineral	1/10/2014	Winter Weather	0	0	0
Grant	1/10/2014	Winter Weather	0	0	0
Mineral	1/10/2014	Winter Weather	0	0	0
Hardy	1/10/2014	Winter Weather	0	0	0
Hampshire	1/10/2014	Winter Weather	0	0	0
Grant	1/10/2014	Winter Weather	0	0	0
Grant	1/18/2014	Winter Weather	0	0	0
Pendleton	1/18/2014	Winter Weather	0	0	0
Grant	1/18/2014	Winter Weather	0	0	0
Pendleton	1/18/2014	Winter Weather	0	0	0
Pendleton	1/21/2014	Winter Storm	0	0	0
Pendleton	1/21/2014	Winter Storm	0	0	0
Grant	1/21/2014	Winter Storm	0	0	0
Grant	1/21/2014	Winter Storm	0	0	0
Hardy	1/21/2014	Winter Storm	0	0	0
Hampshire	1/21/2014	Winter Storm	0	0	0
Mineral	1/21/2014	Winter Storm	0	0	0
Mineral	1/21/2014	Winter Storm	0	0	0
Pendleton	1/21/2014	Winter Storm	0	0	0
Pendleton	1/21/2014	Winter Storm	0	0	0
Grant	1/21/2014	Winter Storm	0	0	0
Grant	1/21/2014	Winter Storm	0	0	0
Hardy	1/21/2014	Winter Storm	0	0	0
Hampshire	1/21/2014	Winter Storm	0	0	0

TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Mineral	1/21/2014	Winter Storm	0	0	0
Mineral	1/21/2014	Winter Storm	0	0	0
Mineral	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Hampshire	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Hardy	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Hampshire	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Hardy	1/22/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/23/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/25/2014	Winter Weather	0	0	0
Pendleton	1/25/2014	Winter Storm	0	0	0
Grant	1/25/2014	Winter Storm	0	0	0
Mineral	1/25/2014	Winter Weather	0	0	0
Pendleton	1/25/2014	Winter Storm	0	0	0
Grant	1/25/2014	Winter Storm	0	0	0
Mineral	1/28/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/28/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/28/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/28/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/28/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/28/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/28/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/28/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/28/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/28/2014	Extreme Cold/Wind Chill	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Mineral	1/29/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/29/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/29/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/29/2014	Extreme Cold/Wind Chill	0	0	0
Mineral	1/29/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/29/2014	Extreme Cold/Wind Chill	0	0	0
Pendleton	1/29/2014	Extreme Cold/Wind Chill	0	0	0
Grant	1/29/2014	Extreme Cold/Wind Chill	0	0	0
Hampshire	2/2/2014	Winter Storm	0	0	0
Hardy	2/2/2014	Winter Weather	0	0	0
Pendleton	2/2/2014	Winter Weather	0	0	0
Pendleton	2/2/2014	Winter Weather	0	0	0
Grant	2/2/2014	Winter Weather	0	0	0
Mineral	2/2/2014	Winter Weather	0	0	0
Grant	2/2/2014	Winter Weather	0	0	0
Mineral	2/2/2014	Winter Weather	0	0	0
Hampshire	2/2/2014	Winter Storm	0	0	0
Hardy	2/2/2014	Winter Weather	0	0	0
Pendleton	2/2/2014	Winter Weather	0	0	0
Pendleton	2/2/2014	Winter Weather	0	0	0
Grant	2/2/2014	Winter Weather	0	0	0
Mineral	2/2/2014	Winter Weather	0	0	0
Grant	2/2/2014	Winter Weather	0	0	0
Mineral	2/2/2014	Winter Weather	0	0	0
Mineral	2/4/2014	Winter Storm	0	0	0
Pendleton	2/4/2014	Winter Weather	0	0	0
Pendleton	2/4/2014	Winter Weather	0	0	0
Hampshire	2/4/2014	Winter Storm	0	0	0
Grant	2/4/2014	Winter Storm	0	0	0
Mineral	2/4/2014	Winter Storm	0	0	0
Grant	2/4/2014	Winter Storm	0	0	0
Mineral	2/4/2014	Winter Storm	0	0	0
Pendleton	2/4/2014	Winter Weather	0	0	0
Pendleton	2/4/2014	Winter Weather	0	0	0
Hampshire	2/4/2014	Winter Storm	0	0	0
Grant	2/4/2014	Winter Storm	0	0	0
Mineral	2/4/2014	Winter Storm	0	0	0
Grant	2/4/2014	Winter Storm	0	0	0
Hardy	2/5/2014	Winter Storm	0	0	0
Hardy	2/5/2014	Winter Storm	0	0	0
Grant	2/12/2014	Winter Storm	0	0	0
Pendleton	2/12/2014	Winter Storm	0	0	0
Mineral	2/12/2014	Winter Storm	0	0	0
Grant	2/12/2014	Winter Storm	0	0	0
Hardy	2/12/2014	Winter Storm	0	0	0
Pendleton	2/12/2014	Winter Storm	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Mineral	2/12/2014	Winter Storm	0	0	0
Hampshire	2/12/2014	Winter Storm	0	0	0
Grant	2/12/2014	Winter Storm	0	0	0
Pendleton	2/12/2014	Winter Storm	0	0	0
Mineral	2/12/2014	Winter Storm	0	0	0
Grant	2/12/2014	Winter Storm	0	0	0
Hardy	2/12/2014	Winter Storm	0	0	0
Pendleton	2/12/2014	Winter Storm	0	0	0
Mineral	2/12/2014	Winter Storm	0	0	0
Hampshire	2/12/2014	Winter Storm	0	0	0
Hampshire	2/15/2014	Winter Weather	0	0	0
Pendleton	2/15/2014	Winter Weather	0	0	0
Mineral	2/15/2014	Winter Weather	0	0	0
Grant	2/15/2014	Winter Weather	0	0	0
Pendleton	2/15/2014	Winter Weather	0	0	0
Hardy	2/15/2014	Winter Weather	0	0	0
Grant	2/15/2014	Winter Weather	0	0	0
Mineral	2/15/2014	Winter Weather	0	0	0
Hampshire	2/15/2014	Winter Weather	0	0	0
Pendleton	2/15/2014	Winter Weather	0	0	0
Mineral	2/15/2014	Winter Weather	0	0	0
Grant	2/15/2014	Winter Weather	0	0	0
Pendleton	2/15/2014	Winter Weather	0	0	0
Hardy	2/15/2014	Winter Weather	0	0	0
Grant	2/15/2014	Winter Weather	0	0	0
Mineral	2/15/2014	Winter Weather	0	0	0
Hampshire	2/19/2014	Winter Weather	0	0	0
Pendleton	2/19/2014	Winter Weather	0	0	0
Mineral	2/19/2014	Winter Weather	0	0	0
Grant	2/19/2014	Winter Weather	0	0	0
Hardy	2/19/2014	Winter Weather	0	0	0
Grant	2/19/2014	Winter Weather	0	0	0
Mineral	2/19/2014	Winter Weather	0	0	0
Pendleton	2/19/2014	Winter Weather	0	0	0
Hampshire	2/19/2014	Winter Weather	0	0	0
Pendleton	2/19/2014	Winter Weather	0	0	0
Mineral	2/19/2014	Winter Weather	0	0	0
Grant	2/19/2014	Winter Weather	0	0	0
Hardy	2/19/2014	Winter Weather	0	0	0
Grant	2/19/2014	Winter Weather	0	0	0
Mineral	2/19/2014	Winter Weather	0	0	0
Pendleton	2/19/2014	Winter Weather	0	0	0
Grant	2/26/2014	Winter Weather	0	0	0
Grant	2/26/2014	Winter Weather	0	0	0
Pendleton	3/2/2014	Winter Storm	0	0	0
Mineral	3/2/2014	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	3/2/2014	Winter Weather	0	0	0
Grant	3/2/2014	Winter Weather	0	0	0
Mineral	3/2/2014	Winter Weather	0	0	0
Hardy	3/2/2014	Winter Weather	0	0	0
Hampshire	3/2/2014	Winter Weather	0	0	0
Grant	3/2/2014	Winter Weather	0	0	0
Pendleton	3/2/2014	Winter Storm	0	0	0
Pendleton	3/2/2014	Winter Storm	0	0	0
Mineral	3/2/2014	Winter Weather	0	0	0
Grant	3/2/2014	Winter Weather	0	0	0
Grant	3/2/2014	Winter Weather	0	0	0
Mineral	3/2/2014	Winter Weather	0	0	0
Hardy	3/2/2014	Winter Weather	0	0	0
Hampshire	3/2/2014	Winter Weather	0	0	0
Grant	3/2/2014	Winter Weather	0	0	0
Pendleton	3/2/2014	Winter Storm	0	0	0
Pendleton	3/16/2014	Winter Storm	0	0	0
Pendleton	3/16/2014	Winter Storm	0	0	0
Hardy	3/16/2014	Winter Storm	0	0	0
Mineral	3/16/2014	Winter Weather	0	0	0
Grant	3/16/2014	Winter Storm	0	0	0
Mineral	3/16/2014	Winter Storm	0	0	0
Grant	3/16/2014	Winter Storm	0	0	0
Pendleton	3/16/2014	Winter Storm	0	0	0
Pendleton	3/16/2014	Winter Storm	0	0	0
Hardy	3/16/2014	Winter Storm	0	0	0
Mineral	3/16/2014	Winter Weather	0	0	0
Grant	3/16/2014	Winter Storm	0	0	0
Mineral	3/16/2014	Winter Storm	0	0	0
Grant	3/16/2014	Winter Storm	0	0	0
Grant	3/25/2014	Winter Weather	0	0	0
Pendleton	3/25/2014	Winter Storm	0	0	0
Grant	3/25/2014	Winter Weather	0	0	0
Pendleton	3/25/2014	Winter Storm	0	0	0
Grant	3/30/2014	Winter Storm	0	0	0
Pendleton	3/30/2014	Winter Storm	0	0	0
Grant	3/30/2014	Winter Storm	0	0	0
Pendleton	3/30/2014	Winter Storm	0	0	0
Grant	11/18/2014	Cold/Wind Chill	0	0	0
Mineral	11/18/2014	Cold/Wind Chill	0	0	0
Grant	11/18/2014	Cold/Wind Chill	0	0	0
Pendleton	11/18/2014	Cold/Wind Chill	0	0	0
Pendleton	11/18/2014	Cold/Wind Chill	0	0	0
Pendleton	11/26/2014	Winter Storm	0	0	0
Mineral	11/26/2014	Winter Storm	0	0	0
Mineral	11/26/2014	Winter Storm	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Hardy	11/26/2014	Winter Storm	0	0	0
Hampshire	11/26/2014	Winter Storm	0	0	0
Grant	11/26/2014	Winter Storm	0	0	0
Grant	11/26/2014	Winter Storm	0	0	0
Pendleton	11/26/2014	Winter Storm	0	0	0
Grant	11/27/2014	Winter Weather	0	0	0
Pendleton	11/27/2014	Winter Weather	0	0	0
Pendleton	12/2/2014	Winter Weather	0	0	0
Mineral	12/2/2014	Winter Weather	0	0	0
Grant	12/2/2014	Winter Weather	0	0	0
Hardy	12/2/2014	Winter Weather	0	0	0
Hampshire	12/2/2014	Winter Weather	0	0	0
Pendleton	12/2/2014	Winter Weather	0	0	0
Mineral	12/2/2014	Winter Weather	0	0	0
Grant	12/2/2014	Winter Weather	0	0	0
Grant	12/4/2014	Winter Weather	0	0	0
Hardy	12/4/2014	Winter Weather	0	0	0
Mineral	12/4/2014	Winter Weather	0	0	0
Pendleton	12/4/2014	Winter Weather	0	0	0
Grant	12/4/2014	Winter Weather	0	0	0
Mineral	12/4/2014	Winter Weather	0	0	0
Pendleton	12/4/2014	Winter Weather	0	0	0
Hampshire	12/4/2014	Winter Weather	0	0	0
Pendleton	12/8/2014	Winter Weather	0	0	0
Pendleton	12/8/2014	Winter Weather	0	0	0
Grant	12/8/2014	Winter Weather	0	0	0
Grant	12/8/2014	Winter Weather	0	0	0
Hampshire	12/8/2014	Winter Weather	0	0	0
Mineral	12/8/2014	Winter Weather	0	0	0
Mineral	12/8/2014	Winter Weather	0	0	0
Hardy	12/8/2014	Winter Weather	0	0	0
Hampshire	12/22/2014	Winter Weather	0	0	0
Mineral	12/22/2014	Winter Weather	0	0	0
Mineral	12/22/2014	Winter Weather	0	0	0
Grant	12/22/2014	Winter Weather	0	0	0
Grant	12/22/2014	Winter Weather	0	0	0
Hardy	12/22/2014	Winter Weather	0	0	0
Pendleton	12/22/2014	Winter Weather	0	0	0
Pendleton	12/22/2014	Winter Weather	0	0	0
Mineral	1/3/2015	Winter Weather	0	0	0
Hardy	1/3/2015	Winter Weather	0	0	0
Grant	1/3/2015	Winter Weather	0	0	0
Grant	1/3/2015	Winter Weather	0	0	0
Pendleton	1/3/2015	Winter Weather	0	0	0
Pendleton	1/3/2015	Winter Weather	0	0	0
Hampshire	1/3/2015	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Mineral	1/3/2015	Winter Weather	0	0	0
Hampshire	1/6/2015	Winter Weather	0	0	0
Grant	1/6/2015	Heavy Snow	0	0	0
Pendleton	1/6/2015	Winter Weather	0	0	0
Pendleton	1/6/2015	Winter Weather	0	0	0
Hardy	1/6/2015	Winter Weather	0	0	0
Hampshire	1/11/2015	Winter Weather	0	0	0
Grant	1/11/2015	Winter Weather	0	0	0
Hardy	1/11/2015	Winter Weather	0	0	0
Pendleton	1/23/2015	Ice Storm	0	0	0
Pendleton	1/26/2015	Winter Weather	0	0	0
Grant	1/26/2015	Winter Weather	0	0	0
Hampshire	1/29/2015	Winter Weather	0	0	0
Mineral	1/29/2015	Winter Weather	0	0	0
Grant	2/14/2015	Winter Weather	0	0	0
Mineral	2/14/2015	Extreme Cold/Wind Chill	0	0	0
Mineral	2/14/2015	Extreme Cold/Wind Chill	0	0	0
Pendleton	2/14/2015	Extreme Cold/Wind Chill	0	0	0
Pendleton	2/14/2015	Extreme Cold/Wind Chill	0	0	0
Hampshire	2/16/2015	Winter Weather	0	0	0
Grant	2/16/2015	Winter Weather	0	0	0
Grant	2/16/2015	Winter Weather	0	0	0
Pendleton	2/16/2015	Winter Weather	0	0	0
Pendleton	2/16/2015	Winter Weather	0	0	0
Hardy	2/16/2015	Winter Weather	0	0	0
Mineral	2/21/2015	Winter Weather	0	0	0
Mineral	2/21/2015	Winter Weather	0	0	0
Grant	2/21/2015	Winter Weather	0	0	0
Pendleton	2/21/2015	Winter Storm	0	0	0
Pendleton	2/21/2015	Winter Storm	0	0	0
Hardy	2/21/2015	Winter Storm	0	0	0
Hampshire	2/21/2015	Winter Storm	0	0	0
Grant	2/21/2015	Winter Storm	0	0	0
Pendleton	2/26/2015	Winter Weather	0	0	0
Grant	3/1/2015	Winter Weather	0	0	0
Grant	3/1/2015	Winter Weather	0	0	0
Mineral	3/1/2015	Winter Weather	0	0	0
Mineral	3/1/2015	Winter Weather	0	0	0
Hardy	3/1/2015	Winter Weather	0	0	0
Hampshire	3/1/2015	Winter Weather	0	0	0
Pendleton	3/1/2015	Winter Weather	0	0	0
Pendleton	3/1/2015	Winter Weather	0	0	0
Mineral	3/3/2015	Winter Weather	0	0	0
Hampshire	3/3/2015	Winter Weather	0	0	0
Hardy	3/3/2015	Winter Weather	0	0	0
Pendleton	3/3/2015	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Grant	3/3/2015	Winter Weather	0	0	0
Grant	3/3/2015	Winter Weather	0	0	0
Mineral	3/3/2015	Winter Weather	0	0	0
Mineral	3/4/2015	Winter Storm	0	0	0
Grant	3/4/2015	Winter Storm	0	0	0
Pendleton	3/5/2015	Winter Storm	0	0	0
Mineral	3/5/2015	Winter Storm	0	0	0
Pendleton	3/5/2015	Winter Storm	0	0	0
Grant	3/5/2015	Winter Storm	0	0	0
Hardy	3/5/2015	Winter Storm	0	0	0
Hampshire	3/5/2015	Winter Storm	0	0	0
Hampshire	3/20/2015	Winter Weather	0	0	0
Hardy	3/25/2015	Winter Weather	0	0	0
Grant	3/25/2015	Winter Weather	0	0	0
Grant	3/25/2015	Winter Weather	0	0	0
Hampshire	3/25/2015	Winter Weather	0	0	0
Mineral	3/25/2015	Winter Weather	0	0	0
Mineral	3/25/2015	Winter Weather	0	0	0
Mineral	12/28/2015	Winter Weather	0	0	0
Pendleton	1/8/2016	Winter Weather	0	0	0
Hardy	1/8/2016	Winter Weather	0	0	0
Grant	1/8/2016	Winter Weather	0	0	0
Grant	1/8/2016	Winter Weather	0	0	0
Pendleton	1/8/2016	Winter Weather	0	0	0
Hampshire	1/8/2016	Winter Weather	0	0	0
Mineral	1/8/2016	Winter Weather	0	0	0
Mineral	1/8/2016	Winter Weather	0	0	0
Mineral	1/12/2016	Winter Weather	0	0	0
Grant	1/12/2016	Winter Weather	0	0	0
Grant	1/12/2016	Winter Weather	0	0	0
Pendleton	1/12/2016	Winter Weather	0	0	0
Pendleton	1/22/2016	Winter Storm	0	0	0
Pendleton	1/22/2016	Winter Storm	0	0	0
Grant	1/22/2016	Winter Storm	0	0	0
Hardy	1/22/2016	Winter Storm	0	0	0
Grant	1/22/2016	Winter Storm	0	0	0
Mineral	1/22/2016	Winter Storm	0	0	0
Hampshire	1/22/2016	Winter Storm	0	0	0
Mineral	1/22/2016	Winter Storm	0	0	0
Grant	1/26/2016	Winter Weather	0	0	0
Hardy	1/26/2016	Winter Weather	0	0	0
Hampshire	1/26/2016	Winter Weather	0	0	0
Mineral	1/26/2016	Winter Weather	0	0	0
Grant	1/29/2016	Winter Weather	0	0	0
Pendleton	1/29/2016	Winter Weather	0	0	0
Pendleton	2/8/2016	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Mineral	2/8/2016	Winter Weather	0	0	0
Grant	2/8/2016	Winter Weather	0	0	0
Hampshire	2/9/2016	Winter Weather	0	0	0
Pendleton	2/9/2016	Winter Weather	0	0	0
Grant	2/9/2016	Winter Weather	0	0	0
Mineral	2/9/2016	Winter Weather	0	0	0
Hardy	2/9/2016	Winter Weather	0	0	0
Mineral	2/14/2016	Ice Storm	0	0	0
Pendleton	2/14/2016	Winter Weather	0	0	0
Grant	2/14/2016	Winter Weather	0	0	0
Hardy	2/14/2016	Ice Storm	0	0	0
Grant	2/14/2016	Ice Storm	0	0	0
Pendleton	2/14/2016	Ice Storm	0	0	0
Hampshire	2/14/2016	Ice Storm	0	0	0
Mineral	2/14/2016	Ice Storm	0	0	0
Pendleton	3/19/2016	Winter Storm	0	0	0
Mineral	3/19/2016	Winter Weather	0	0	0
Grant	3/19/2016	Winter Weather	0	0	0
Grant	3/19/2016	Winter Weather	0	0	0
Pendleton	3/19/2016	Winter Weather	0	0	0
Mineral	3/19/2016	Winter Weather	0	0	0
Hampshire	3/19/2016	Winter Weather	0	0	0
Hardy	3/19/2016	Winter Weather	0	0	0
Grant	4/2/2016	Winter Weather	0	0	0
Grant	4/9/2016	Winter Storm	0	0	0
Grant	11/19/2016	Winter Weather	0	0	0
Pendleton	11/19/2016	Winter Weather	0	0	0
Grant	12/2/2016	Winter Weather	0	0	0
Pendleton	12/2/2016	Winter Weather	0	0	0
Mineral	12/2/2016	Winter Weather	0	0	0
Pendleton	12/4/2016	Winter Weather	0	0	0
Mineral	12/4/2016	Winter Weather	0	0	0
Grant	12/4/2016	Winter Weather	0	0	0
Grant	12/6/2016	Winter Weather	0	0	0
Pendleton	12/6/2016	Winter Weather	0	0	0
Mineral	12/6/2016	Winter Weather	0	0	0
Mineral	12/6/2016	Winter Storm	0	0	0
Hampshire	12/6/2016	Winter Weather	0	0	0
Grant	12/6/2016	Winter Weather	0	0	0
Mineral	12/11/2016	Winter Weather	0	0	0
Grant	12/11/2016	Winter Weather	0	0	0
Grant	12/11/2016	Winter Weather	0	0	0
Grant	12/11/2016	Winter Weather	0	0	0
Pendleton	12/11/2016	Winter Weather	0	0	0
Hampshire	12/11/2016	Winter Weather	0	0	0
Grant	12/15/2016	Cold/Wind Chill	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injury</i>	<i>Property Damage</i>
Pendleton	12/15/2016	Cold/Wind Chill	0	0	0
Pendleton	12/15/2016	Cold/Wind Chill	0	0	0
Mineral	12/15/2016	Cold/Wind Chill	0	0	0
Mineral	12/17/2016	Winter Weather	0	0	0
Grant	12/17/2016	Winter Weather	0	0	0
Hampshire	12/17/2016	Winter Weather	0	0	0
Grant	12/17/2016	Winter Weather	0	0	0
Hardy	12/17/2016	Winter Weather	0	0	0
Pendleton	12/17/2016	Winter Weather	0	0	0
Pendleton	12/17/2016	Winter Weather	0	0	0
Mineral	12/17/2016	Winter Weather	0	0	0
Mineral	12/18/2016	Winter Weather	0	0	0
Mineral	12/29/2016	Winter Weather	0	0	0
Hardy	12/29/2016	Winter Weather	0	0	0
Hampshire	12/29/2016	Winter Weather	0	0	0
Grant	12/29/2016	Winter Weather	0	0	0
Grant	12/29/2016	Winter Weather	0	0	0
Mineral	12/29/2016	Winter Weather	0	0	0
Mineral	12/29/2016	Winter Weather	0	0	0
Grant	12/29/2016	Winter Storm	0	0	0
Pendleton	12/29/2016	Winter Storm	0	0	0
Grant	1/5/2017	Winter Weather	0	0	0
Mineral	1/5/2017	Winter Weather	0	0	0
Pendleton	1/5/2017	Winter Weather	0	0	0
Hampshire	1/5/2017	Winter Weather	0	0	0
Hardy	1/5/2017	Winter Weather	0	0	0
Mineral	1/10/2017	Winter Weather	0	0	0
Hampshire	1/10/2017	Winter Weather	0	0	0
Grant	1/10/2017	Winter Weather	0	0	0
Hardy	1/10/2017	Winter Weather	0	0	0
Grant	1/10/2017	Winter Weather	0	0	0
Mineral	1/10/2017	Winter Weather	0	0	0
Mineral	1/13/2017	Winter Weather	0	0	0
Grant	1/14/2017	Winter Weather	0	0	0
Pendleton	1/14/2017	Winter Weather	0	0	0
Pendleton	1/14/2017	Winter Weather	0	0	0
Hardy	1/14/2017	Winter Weather	0	0	0
Grant	1/14/2017	Winter Weather	0	0	0
Hampshire	1/14/2017	Winter Weather	0	0	0
Mineral	1/14/2017	Winter Weather	0	0	0
Mineral	1/23/2017	Winter Weather	0	0	0
Pendleton	1/23/2017	Winter Weather	0	0	0
Grant	1/23/2017	Winter Weather	0	0	0
Grant	1/26/2017	Winter Weather	0	0	0
Grant	1/29/2017	Winter Weather	0	0	0
Pendleton	1/29/2017	Winter Weather	0	0	0



TABLE 5.1.N NCEI SEVERE WINTER WEATHER DATA					
County	Date	Event	Deaths	Injury	Property Damage
Grant	2/1/2017	Winter Weather	0	0	0
Grant	2/9/2017	Winter Weather	0	0	0
Mineral	2/9/2017	Winter Weather	0	0	0
Pendleton	2/9/2017	Winter Weather	0	0	0
Grant	2/15/2017	Winter Weather	0	0	0
Pendleton	2/15/2017	Winter Weather	0	0	0
Grant	3/10/2017	Winter Weather	0	0	0
Mineral	3/10/2017	Winter Weather	0	0	0
Grant	3/13/2017	Winter Storm	0	0	0
Mineral	3/13/2017	Winter Storm	0	0	0
Pendleton	3/13/2017	Winter Storm	0	0	0
Hampshire	3/13/2017	Winter Storm	0	0	0
Hardy	3/13/2017	Winter Storm	0	0	0
Grant	3/13/2017	Winter Storm	0	0	0
Mineral	3/13/2017	Winter Storm	0	0	0
Pendleton	3/13/2017	Winter Storm	0	0	0
Grant	3/14/2017	Cold/Wind Chill	0	0	0
Pendleton	3/14/2017	Cold/Wind Chill	0	0	0
Pendleton	3/14/2017	Cold/Wind Chill	0	0	0
Mineral	3/14/2017	Cold/Wind Chill	0	0	0
Pendleton	3/17/2017	Winter Weather	0	0	0
Hampshire	3/24/2017	Winter Weather	0	0	0
Mineral	3/24/2017	Winter Weather	0	0	0
Mineral	3/24/2017	Winter Weather	0	0	0
Grant	4/6/2017	Winter Weather	0	0	0
Pendleton	4/6/2017	Winter Weather	0	0	0
Grant	10/29/2017	Winter Weather	0	0	0
Totals			0	0	1,618,000

TABLE 5.1.O SHELDUS SEVERE WINTER WEATHER DATA							
County	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Grant	Winter Weather	1960	2	\$0	\$751	0	0
Hampshire	Winter Weather	1960	2	\$0	\$751	0	0
Hardy	Winter Weather	1960	2	\$0	\$751	0	0
Mineral	Winter Weather	1960	2	\$0	\$751	0	0
Pendleton	Winter Weather	1960	2	\$0	\$751	0	0
Grant	Winter Weather	1960	3	\$0	\$751	0	0
Hampshire	Winter Weather	1960	3	\$0	\$751	0	0
Hardy	Winter Weather	1960	3	\$0	\$751	0	0
Mineral	Winter Weather	1960	3	\$0	\$751	0	0

TABLE 5.1.O SHELDTUS SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Crop Damage (ADJ 2016)</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Pendleton	Winter Weather	1960	3	\$0	\$751	0	0
Grant	Winter Weather	1961	1	\$0	\$0	0	0.22
Hampshire	Winter Weather	1961	1	\$0	\$0	0	0.22
Hardy	Winter Weather	1961	1	\$0	\$0	0	0.22
Mineral	Winter Weather	1961	1	\$0	\$0	0	0.22
Pendleton	Winter Weather	1961	1	\$0	\$0	0	0.22
Grant	Winter Weather	1966	1	\$0	\$309	0.05	0
Hampshire	Winter Weather	1966	1	\$0	\$309	0.05	0
Hardy	Winter Weather	1966	1	\$0	\$309	0.05	0
Mineral	Winter Weather	1966	1	\$0	\$309	0.05	0
Pendleton	Winter Weather	1966	1	\$0	\$137	0	0
Grant	Winter Weather	1967	12	\$0	\$665	0	0
Hampshire	Winter Weather	1967	12	\$0	\$665	0	0
Hardy	Winter Weather	1967	12	\$0	\$665	0	0
Mineral	Winter Weather	1967	12	\$0	\$665	0	0
Pendleton	Winter Weather	1967	12	\$0	\$665	0	0
Grant	Winter Weather	1968	1	\$0	\$638	0	0
Hampshire	Winter Weather	1968	1	\$0	\$638	0	0
Hardy	Winter Weather	1968	1	\$0	\$638	0	0
Mineral	Winter Weather	1968	1	\$0	\$638	0	0
Pendleton	Winter Weather	1968	1	\$0	\$638	0	0
Grant	Winter Weather	1968	11	\$0	\$195	0	0
Hampshire	Winter Weather	1968	11	\$0	\$195	0	0
Hardy	Winter Weather	1968	11	\$0	\$195	0	0
Mineral	Winter Weather	1968	11	\$0	\$195	0	0
Pendleton	Winter Weather	1968	11	\$0	\$195	0	0
Grant	Winter Weather	1974	12	\$0	\$0	0	0.01
Hampshire	Winter Weather	1974	12	\$0	\$0	0	0.01
Hardy	Winter Weather	1974	12	\$0	\$0	0	0.01
Mineral	Winter Weather	1974	12	\$0	\$0	0	0.01
Pendleton	Winter Weather	1974	12	\$0	\$0	0	0.01
Grant	Winter Weather	1975	1	\$0	\$413	0	0
Hampshire	Winter Weather	1975	1	\$0	\$413	0	0
Hardy	Winter Weather	1975	1	\$0	\$413	0	0
Mineral	Winter Weather	1975	1	\$0	\$413	0	0
Pendleton	Winter Weather	1975	1	\$0	\$413	0	0
Grant	Winter Weather	1977	1	\$0	\$3,666	0	0
Hampshire	Winter Weather	1977	1	\$0	\$3,666	0	0
Hardy	Winter Weather	1977	1	\$0	\$3,666	0	0
Mineral	Winter Weather	1977	1	\$0	\$3,666	0	1
Pendleton	Winter Weather	1977	1	\$0	\$3,666	0	0
Grant	Winter Weather	1977	5	\$36,660	\$0	0	0
Hampshire	Winter Weather	1977	5	\$36,660	\$0	0	0
Hardy	Winter Weather	1977	5	\$36,660	\$0	0	0



TABLE 5.1.O SHELDTUS SEVERE WINTER WEATHER DATA

<i>County</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Crop Damage (ADJ 2016)</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Mineral	Winter Weather	1977	5	\$36,660	\$0	0	0
Pendleton	Winter Weather	1977	5	\$36,660	\$0	0	0
Grant	Winter Weather	1979	10	\$1,403	\$14,025	0	0
Hampshire	Winter Weather	1979	10	\$1,403	\$14,025	0	0
Hardy	Winter Weather	1979	10	\$1,403	\$14,025	0	0
Mineral	Winter Weather	1979	10	\$1,403	\$14,025	0	0
Pendleton	Winter Weather	1979	10	\$1,403	\$14,025	0	0
Grant	Winter Weather	1980	3	\$0	\$40	0	0
Hampshire	Winter Weather	1980	3	\$0	\$40	0	0
Hardy	Winter Weather	1980	3	\$0	\$40	0	0
Mineral	Winter Weather	1980	3	\$0	\$40	0	0
Pendleton	Winter Weather	1980	3	\$0	\$40	0	0
Grant	Winter Weather	1982	3	\$0	\$23	0	0
Hampshire	Winter Weather	1982	3	\$0	\$23	0	0
Hardy	Winter Weather	1982	3	\$0	\$23	0	0
Mineral	Winter Weather	1982	3	\$0	\$23	0	0
Pendleton	Winter Weather	1982	3	\$0	\$23	0	0
Grant	Winter Weather	1983	12	\$0	\$0	0.16	0
Hampshire	Winter Weather	1983	12	\$0	\$0	0.16	0
Hardy	Winter Weather	1983	12	\$0	\$0	0.16	0
Mineral	Winter Weather	1983	12	\$0	\$0	0.16	0
Pendleton	Winter Weather	1983	12	\$0	\$0	0.16	0
Grant	Winter Weather	1984	1	\$0	\$784	0.33	0
Hampshire	Winter Weather	1984	1	\$0	\$784	0.33	0
Mineral	Winter Weather	1984	1	\$0	\$784	0.33	0
Pendleton	Winter Weather	1984	1	\$0	\$784	0.33	0
Grant	Winter Weather	1987	2	\$0	\$9,778	0	0
Hampshire	Winter Weather	1987	2	\$0	\$9,778	0	0
Hardy	Winter Weather	1987	2	\$0	\$9,778	0	0
Mineral	Winter Weather	1987	2	\$0	\$9,778	0	0
Pendleton	Winter Weather	1987	2	\$0	\$9,778	0	0
Grant	Winter Weather	1987	4	\$0	\$1,956	0	0.05
Hampshire	Winter Weather	1987	4	\$0	\$1,956	0	0.05
Hardy	Winter Weather	1987	4	\$0	\$1,956	0	0.05
Mineral	Winter Weather	1987	4	\$0	\$1,956	0	0.05
Pendleton	Winter Weather	1987	4	\$0	\$1,956	0	0.05
Pendleton	Winter Weather	1991	11	\$0	\$1,025,271	0	0
Grant	Winter Weather	1991	12	\$0	\$1,121	0	0
Hampshire	Winter Weather	1991	12	\$0	\$1,121	0	0
Hardy	Winter Weather	1991	12	\$0	\$1,121	0	0
Mineral	Winter Weather	1991	12	\$0	\$1,121	0	0
Pendleton	Winter Weather	1991	12	\$0	\$1,121	0	0
Grant	Winter Weather	1992	12	\$0	\$17,446	0	0
Hampshire	Winter Weather	1992	12	\$0	\$17,446	0	0



TABLE 5.1.O SHELDTUS SEVERE WINTER WEATHER DATA							
County	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Hardy	Winter Weather	1992	12	\$0	\$17,446	0	0
Mineral	Winter Weather	1992	12	\$0	\$17,446	0	0
Pendleton	Winter Weather	1992	12	\$0	\$17,446	0	0
Grant	Winter Weather	1993	3	\$0	\$1,057	0	0
Hampshire	Winter Weather	1993	3	\$0	\$1,057	0	0
Hardy	Winter Weather	1993	3	\$0	\$1,057	0	0
Mineral	Winter Weather	1993	3	\$0	\$1,057	0	0
Pendleton	Winter Weather	1993	3	\$0	\$1,057	0	0
Grant	Winter Weather	1994	1	\$0	\$99,926	0.02	0
Hampshire	Winter Weather	1994	1	\$0	\$278,836	0.02	0
Hardy	Winter Weather	1994	1	\$0	\$99,926	0.02	0
Mineral	Winter Weather	1994	1	\$0	\$115,591	0.02	0
Pendleton	Winter Weather	1994	1	\$0	\$99,101	0.02	0
Grant	Winter Weather	1994	2	\$989	\$24,899	0	0
Hampshire	Winter Weather	1994	2	\$907	\$83,436	0	0
Hardy	Winter Weather	1994	2	\$1,649	\$90,774	0	0
Mineral	Winter Weather	1994	2	\$165	\$9,152	0	0
Pendleton	Winter Weather	1994	2	\$165	\$9,069	0	0
Grant	Winter Weather	1994	3	\$0	\$824	0	0
Hampshire	Winter Weather	1994	3	\$0	\$824	0	0
Hardy	Winter Weather	1994	3	\$0	\$824	0	0
Mineral	Winter Weather	1994	3	\$0	\$1,649	0	0
Pendleton	Winter Weather	1994	3	\$0	\$824	0	0
Grant	Winter Weather	1995	11	\$0	\$12,828	0	0
Hampshire	Winter Weather	1995	11	\$0	\$12,828	0	0
Hardy	Winter Weather	1995	11	\$0	\$12,828	0	0
Mineral	Winter Weather	1995	11	\$0	\$12,828	0	0
TOTALS				\$7,362,280	\$7,765,065	3.42	2.4



HAZARDOUS MATERIALS

TABLE 5.1.P NRC HAZARDOUS MATERIALS INCIDENTS				
<i>Type of Incident</i>	<i>Incident Cause</i>	<i>Date</i>	<i>Nearest City</i>	<i>County</i>
Mobile	Operator Error	02/01/10	Mt. Storm	Grant
Railroad	Derailment	03/05/10	Bayard	Grant
Fixed Facility	Dumping	04/28/10	Mathias	Hardy
Fixed Facility	Explosion	05/24/10	Rocket Center	Mineral
Fixed Facility	Natural Phenomenon	06/03/10	Levels	Hampshire
Railroad	Derailment	08/03/10	Bayard	Grant
Fixed Facility	Unknown	11/12/10	Seneca Rocks	Pendleton
Railroad	Operator Error	02/15/11	Keyser	Mineral
Fixed Facility	Other	03/22/11	Bayard	Grant
Mobile	Dumping	04/22/11	Wardensville	Hardy
Storage Tank	Operator Error	04/24/11	Moorefield	Hardy
Fixed Facility	Other	06/16/11	Ridgeley	Mineral
Fixed Facility	Equipment Failure	07/25/11	Beryl	Mineral
Fixed Facility	Natural Phenomenon	09/01/11	Green Spring	Hampshire
Fixed Facility	Unknown	09/03/11	Keyser	Mineral
Fixed Facility	Other	09/07/11	Keyser	Mineral
Pipeline	Operator Error	12/15/11	Elk Garden	Mineral
Railroad	Transport Accident	12/26/11	Bayard	Grant
Unknown Sheen	Unknown	01/30/12	Keyser	Mineral
Fixed Facility	Unknown	02/29/12	Rocket Center	Mineral
Unknown Sheen	Unknown	05/25/12	Scherr	Grant
Railroad	Trespasser	03/24/13	Keyser	Mineral
Fixed Facility	Equipment Failure	05/30/13	Mt. Storm	Grant
Fixed Facility	Equipment Failure	05/30/13	Mt. Storm	Grant
Mobile	Transport Accident	06/13/13	Scherr	Grant
Railroad	Equipment Failure	06/16/13		Mineral
Railroad	Operator Error	07/20/13	Piedmont	Mineral
Railroad	Unknown	08/17/13	Paw Paw	Hampshire
Fixed Facility	Other	11/05/13	Keyser	Mineral
Fixed Facility	Other	04/16/14	Mt. Storm	Grant
Fixed Facility	Unknown	04/26/14	Franklin	Pendleton
Fixed Facility	Dumping	05/17/14	Keyser	Mineral
Pipeline	Unknown	06/30/14	Green Spring	Hampshire
Storage Tank	Equipment Failure	07/07/14	Green Spring	Hampshire
Fixed Facility	Operator Error	07/11/14	Green Spring	Hampshire
Fixed Facility	Unknown	07/24/14	Wardensville	Hardy
Fixed Facility	Unknown	07/25/14	Petersburg	Grant
Fixed Facility	Unknown	08/16/14	Petersburg	Grant
Railroad	Unknown	10/28/14	Keyser	Mineral
Railroad	Unknown	11/03/14	Piedmont	Mineral
Railroad	Derailment	02/03/15	Levels	Hampshire
Fixed Facility	Unknown	02/11/15	Romney	Hampshire
Fixed Facility	Other	03/12/15	Ridgeley	Mineral

TABLE 5.1.P NRC HAZARDOUS MATERIALS INCIDENTS				
<i>Type of Incident</i>	<i>Incident Cause</i>	<i>Date</i>	<i>Nearest City</i>	<i>County</i>
Fixed Facility	Unknown	03/25/15	Lost River	Hardy
Storage Tank	Operator Error	04/13/15	Riverton	Pendleton
Fixed Facility	Operator Error	04/26/15	Green Spring	Hampshire
Fixed Facility	Unknown	05/17/15	Moorefield	Hardy
Railroad	Unknown	07/13/15	Cumberland	Mineral
Fixed Facility	Dumping	08/11/15	Delray	Hampshire
Fixed Facility	Unknown	08/21/15	Capon Springs	Hampshire
Mobile	Other	09/10/15	Mt. Storm	Grant
Storage Tank	Operator Error	11/09/15	Green Spring	Hampshire
Storage Tank	Equipment Failure	12/01/15	Green Spring	Hampshire
Fixed Facility	Other	06/13/16	Keyser	Mineral
Railroad	Unknown	10/21/16	Keyser	Mineral
Fixed Facility	Equipment Failure	01/08/17	Augusta	Hampshire
Fixed Facility	Equipment Failure	02/14/17	Mt. Storm	Grant
Fixed Facility	Unknown	03/14/17	Mt. Storm	Grant
Fixed Facility	Equipment Failure	06/19/17	Mt. Storm	Grant
Fixed Facility	Unknown	11/30/17	Piedmont	Mineral
Fixed Facility	Dumping	11/30/17	Petersburg	Grant
Fixed Facility	Unknown	12/01/17	Piedmont	Mineral

TABLE 5.1.Q PHMSA HAZARDOUS MATERIALS INCIDENTS					
<i>County</i>	<i>Incident City</i>	<i>Date of Incident</i>	<i>Mode of Transportation</i>	<i>Transportation Phase</i>	<i>Total Amount of Damages</i>
Hampshire	Green Spring	8/16/1990	Rail	In transit	\$0
Pendleton	Franklin	7/15/1994	Highway	In transit	\$0
Mineral	Beryl	9/28/1995	Rail	In transit	\$10
Mineral	Keyser	6/1/1996	Rail	In transit	\$0
Mineral	Piedmont	6/5/1996	Rail	In transit	\$0
Mineral	Keyser	11/5/1997	Highway	Unloading	\$650
Mineral	WV Central Junction	1/13/2001	Rail	In transit	\$0
Grant	Petersburg	10/15/2001	Highway	Unloading	\$1,972
Hardy	Wardensville	11/19/2001	Highway	Unloading	\$250,360
Mineral	Piedmont	9/18/2002	Highway	Unloading	\$3
Hampshire	Romney	5/11/2004	Highway	In transit	\$132,158
Grant	Petersburg	12/20/2004	Highway	In transit	\$16,812
Mineral	Fountain	9/22/2005	Highway	In transit	\$50,230
Pendleton	Franklin	7/3/2006	Highway	In transit	\$0
Hardy	Moorefield	9/28/2007	Highway	Unloading	\$0
Hardy	Moorefield	9/28/2007	Highway	Unloading	\$0
Hardy	Moorefield	4/24/2011	Highway	Unloading	\$33,289
Totals					\$485,484



Region 8 Planning and Development Council - July 20, 2017

<input checked="" type="checkbox"/> If correct	Last	First	Address	Telephone	Email
	Alderman	Greg	PO Box 7, Wardensville, WV 26851	304-874-3950	
✓	Veteran Armentrout	Butch	P.O. Box 7 Ridgeley, WV 26753	304-738-1612 (w)	carp7@atlanticbb.net
✓	Ashley	Joan	457 Ashley Lane, Franklin, WV 26807	304-358-2572 (h)	joan.ashley@frontier.com
	Bean	William	P.O. Drawer 30 Moorefield, WV 26807	304-530-6198 (w)	gentlemenfirst@yahoo.com
	Bland	Michael	150 Armstrong Street Keyser, WV 26726	304-788-5921 (w)	mbland@mineralcountywv.com
✓	Braithwaite	Tom	P.O. Box 256, Elk Garden, WV 26717	304-446-5684 (h)	wbraithwaite@shentel.net
✓	Brill	Alan	5864 Carpers Pike, Yellow Springs, WV 26865	304-856-3635 (h)	abrill@frontiernet.net
	Carr	Lynn	PO Box 1290, Ridgeley, WV 26753	304-738-9400 (w)	ridgeleymayor@atlanticbbn.net
	Combs	Mallie	P.O. 209 Moorefield, WV 26836	304-530-3047 (w)	mcombs@hardynet.com
	Durst	Steven	P.O. Box 274, Bayard, WV 26707		
	Funkhouser	Amy	92 Middle Cove Road, Mathias, WV 26812	304-874-3512	
	Hammond	John	P.O. Box 177, Yellow Springs, WV 26865	304-874-4115 (h)	john@asaclinehouse.com
✓	Helmick	Rose	204 Washington Street, Moorefield, WV 26836	304-530-0284	hdycommi@court.state.wv.us
	Hevener	Carl	343 PG Riggelman Road, Franklin, WV 26807	304-668-9113 c	
	Hiser	Harold	5 Highland Avenue Petersburg, WV 26847	304-257-4550 (w)	
	Keadle	Beverly	340 East Main Street Romney, WV 26757	304-822-5118 (w)	mayorofromney@atlanticbbn.net

✓	Kitzmiller	Tammy	PO Box 114, Petersburg, WV 26847	304-257-2168 (w)	TKitzmiller@grantcounty-wv.com
✓	Leatherman	Roger	HC 75 Box 144, New Creek, WV 26743	304-289-3106 (h)	rdlivi@frontiernet.net
	Liller	Terry	370 Hilltop Avenue, Keyser, WV 26726	304-790-2981 c	terryliller@gmail.com
	Loving	William	PO Box 238, Franklin, WV 26807	304-668-0218 c	bloving@yourbank.com
	Michael	Gary	PO Box 669, Petersburg, WV 26847	304-257-4941	gam99@frontiernet.net
✓	Parker	David	P.O. Box 901, Romney, WV 26757	304-822-5896 (h)	drparker68@yahoo.com
	Sasso	Valerie	PO Box 397, Franklin, WV 26807	304-358-3603	irakula@frontier.com
	Sirbaugh	Stephen	HC 71 Box 75-DA, Capon Bridge, WV 26711	304-856-3625 (w)	
✓	Smith	Benjamin	52 Second Street, Piedmont, WV 26750	304-355-2621 (w) 304-813-2400	love for chevys@hotmail.com
	Smith	Richard	401 Maple Avenue, Moorefield, WV 26836	304-538-7711 (w)	rsmith@ewvcaa/prg
	Stalaker	Gary	206 Winchester Ave, Moorefield, WV 26836	304-530-6142	townofmfld@hardynet.com
	Walker	Dale	HC 69 Box 228, Fort Seybert, WV 26802	304-249-5397	dmw@frontier.com
	Watts	Sherry	316 Eastern Drive, Moorefield, WV 26836	304-434-8000 (w)	sherry.watts@easternwv.edu
	Wilkins	J. D.	P.O. Box 26, Riverton, WV 26814		jwilkins@grantcountybank.com
	Williams	Elwood	504 Clement Street, Moorefield, WV 26836	304-257-7236 c	cew1999@hardynet.com

Guests

Name	Address	Telephone	Email	Representing
Melissa Earle	Region 8 Staff			
Lynn Phillips	Governor's office	304-389-5216	lynn.e.phillips@wv.gov	
Matthew Pennington	Region 9	304-707-1920	mpennington@region9wv.com	
Herb Peddicord		(304) 541-9285	herb.f.peddicord@wv.gov	WV Div. of Forestry
Alana Hartman	22288 Northwestern Pike, Romney WV 26757	(304) 993-6814 cell	alana.chartman@wv.gov	WVDEP/WVFB
Chad Thompson		304 919 1139	Chad.m.thompson@wv.gov	WVDEP
Sozy Campbell		304-539-2682	SCampbell@WVCA.US	WVCA
Shirley Vandette				
Pam Kephlinger				
Tom Braithwaite		304-446-5684	wbraithwaite@shentel	Town of Elk Garden
Jean Braithwaite				
BEN SMITH		304-813-2400	LOVE.FOR.CHEVY59@hotmail.com	Piedmont
Butch Armentrout		304 738 1612	carp.7@atlanticbbw.net	Town of Ceredale (Mayor)
Jean Ashley				
Carla Rent	Staff			
Peggy Hawse	Senator Manchin's Office			

AGENDA

Region 8 Planning and Development Council Meeting

Thursday, July 20, 2017

12:30 p.m.



I. CALL TO ORDER

II. MINUTES OF PREVIOUS MEETING June 2017

III. REPORT

A. Treasurer's Report

IV. BUSINESS

A. Introduction of New Members

B. WV's Chesapeake Bay Tributary Team discussion of progress and what remains to be done.

C. Appointment of Hazard Mitigation Steering Committee

D. RLF Board Members

E. Director's Update

V. ADJOURNMENT

Region 8 Planning and Development Council

Thursday, July 20, 2017– 12:30 p.m.

CALL TO ORDER

David Parker, Region 8 PDC Chairman, called the meeting to order at approximately 12:30 p.m. with 9 members present.

PREVIOUS MINUTES

Joan Ashley made a motion to approve the minutes for June 2017. Alan Brill seconded the motion. Motion carried.

REPORTS

Treasurer's Report

An agency balance sheet and agency-wide line item revenues and expenditures sheet was provided to members in their meeting packets. Joan Ashley made a motion to accept the Treasurer's Report as presented in the meeting packet. Butch Armentrout seconded the motion. Motion carried.

BUSINESS

Introduction of New Members

Terry informed the group that as a result of this year's elections, he is honored to announce that we have two new board members. Beverly Keadle, Mayor of the City of Romney and Marian Droppleman, Mayor of the Town of Elk Garden.

WV's Chesapeake Bay Tributary Team Discussion of progress and what remains to be done

Over the past decade the communities and counties in the region have been actively working to reduce pollutions in the Chesapeake Bay Watershed. I am happy to say that the last two sewer plants that were affecting the Watershed are currently under construction to improve their effluent and bring them within the current limits of their permits. Terry introduced our guest speaker, Alana Hartman, with the Department of Environmental Protection – Division of Water and Waste Management, Watershed Improvement Branch she is here to give us an update on the conditions of the Potomac River.

Mrs. Hartman gave a handout to the group that informed them what practices can be done to help reduce nitrogen, phosphorus, and sediment in the local waters which include:

- ✓ Help with a local tree planting event
- ✓ Participate in a cost-share program to improve conservation practices on your farm.
- ✓ Support good stormwater management in your community, and do your part on your property by installing rain gardens and maintaining areas with native plants besides grass.
- ✓ Share your stories about your appreciation of local waters.
- ✓ Many more ideas at website www.chesapeakebay.net/takeaction/howtotips

Ms. Hartman also mentioned to target particular areas interested in setting up a new sewer system. She explained this is a good strategy to be fundable and to make a good selling point for grant money to put a new sewer system into a particular area.

Matthew Pennington with Region 9 Planning and Development Council presented a slideshow that showed the Stormwater Ordinance that Region 9 has created. This Ordinance explains how to manage pollution and to prevent reoccurring flooding. Mr. Pennington mentioned if Region 8 Planning and Development Council is interested in using this Stormwater Ordinance that he will

assist to help get this off the ground. Mr. Pennington also mentioned the Poultry Litter Management Program to help with clean up the rivers etc. Discussion Occurred.

Chad Thompson, with the Department of Environmental Protection gave a handout to the group that informed them of the funding opportunities available for watershed-related work in the Potomac Basin of West Virginia. He explained these Grants are available at the State and Federal level. He also mentioned that on the goggle earth website there are new maps for the entire area that can calculate the acres of farmland in each county. Discussion Occurred.

Suzy Campbell with Conservation Agency also mentioned the goals to help reduce nitrogen and phosphorus that Ms. Hartman shared with the group. Discussion Occurred. She encouraged the group to sign up for their Newsletter to keep updated. She also mentioned that it's the efforts of the local governments that make it possible to move forward with the new Chesapeake Bay Strategy. She explained the Environmental Protection Agency will be having a meeting in the Fall. Discussion Occurred. They are looking at local targets and will need to have the draft Comprehensive Plan completed this Fall. The completed Comprehensive Economic Development Plan will be due December 2018. Discussion Occurred.

Herb Peddicord with the Department of Forestry also discussed methods including planting trees along streams to help reduce nitrogen and phosphorus. Discussion Occurred.

Appointment of Hazard Mitigation Steering Committee

Approximately ten years ago FEMA came to the Regional Councils and asked that we begin doing the Hazard Mitigation Plans for the counties within our region. The Council has been doing that and is currently in the process of doing an update to the Multi-Hazard Mitigation Plan. Terry explained to help get this process started, he is asking the Chairman to select a Steering Committee between thirteen – fifteen people that would work along with him and JH Consulting.

RLF Board Members

The Council started the Revolving Loan Fund over 28 years ago. The fund has been through a number of board members with Harold Hiser and Paul Morton being the only two original board members remaining. Currently, the board has four vacancies to be filled. The board consists of ten members and has always been made up of two members from each county. This board will only meet a few times a year. Terry asked the Chairman to appoint new board members to the Revolving Loan Fund Board including Kevin Clark, Grady Bradfield, Gene McConnell and then for him to select someone from Hampshire County. Discussion Occurred.

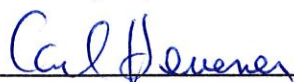
Director's Update

Water and Sewer Projects in Petersburg, Franklin, Keyser, Piedmont, and the Fountain Public Service District are all on schedule. Seneca Rocks is preparing to close loans and start construction. We are still working with the New Creek Water Association, Hampshire Public Service District, and the City of Romney on new Water and Sewer projects.

Occupancy at the Transitional Housing Facility is averaging 20 plus beds per week.

ADJOURNMENT

Joan Ashley made a motion to adjourn the meeting. Roger Leatherman seconded the motion. The meeting adjourned at approximately 2:10 p.m.



Carl Hevener, Secretary



Carla Dent, Executive Assistant

REGION 8 HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Steering Committee Meeting #1

August 15, 2017 ~ 1:00 pm

Sign In Sheet

	Name	Affiliation	Email
1.	Melissa Scott	Hardy Co Planner/Floodplain manager	MSCOTT,hardyplanner@gmail.com
2.	Gene McDonnell	Pendleton County Commission	genemc@spruceknob.net
3.	Paul R Lewis	Hardy Co. OEM/911	hardyeoc@hardynet.com
4.	Brian Malachuk	Hampshire Co HSEM	bmalachuk@hampshire.wv.gov
5.	Lwiza M'Kenzie	Mineral Co HSEM	mineralOEM@yahoo.com
6.	Roger Leatherman	Mineral Co. Commission	rdl111@Frontier.net
7.	Alan Brubaker	Mineral Co. Commission	abrubaker@mineralcounty.wv.com
8.	Jessica Szabo	City of Romney	administrat@cityofromney.org
9.	JEFF HARVEY	JHC	jharvey@jhcpreparedness.com
10.	Amy Heimberger	JH Consulting	aheimberger@jhcpreparedness.com
11.	Frank Wehrle (via phone)	Town of Franklin	townfranklin@gmail.com
12.	Carla Dent	Region 8 POC Staff	cdenta@regioneight.org
13.	Terry Lively	" "	tlively@regioneight.org
14.			
15.			
16.			

REGION 8 HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Steering Committee Meeting #1

August 15, 2017 ~ 1:00 pm

Sign In Sheet

Name	Affiliation	Email
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		
26.		
27.		
28.		
29.		
30.		



REGION 8 HAZARD MITIGATION PLAN 2017 UPDATE

Region 8 PDC Offices
August 15, 2017
1:00 pm
131 Providence Lane
Petersburg, WV 26847

WELCOME AND INTRODUCTIONS



AGENDA

- Overview of Hazard Mitigation and the Planning Process
- Hazard Review
- Tasks
- Public Outreach & Engagement
- Meeting Schedule
- Q & A

OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS

What is hazard mitigation?

Federal Emergency Management Agency (FEMA):

- oversees the hazard mitigation process at the local, regional, state, and national levels, and
- defines mitigation as, "the effort to reduce loss of life and property by lessening the impact of disasters" (FEMA.gov, 2016).

OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS

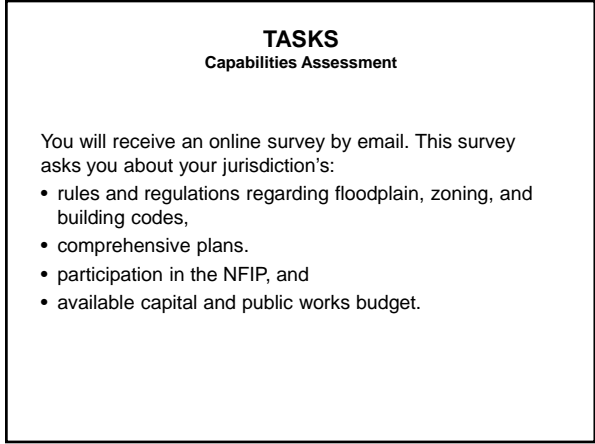
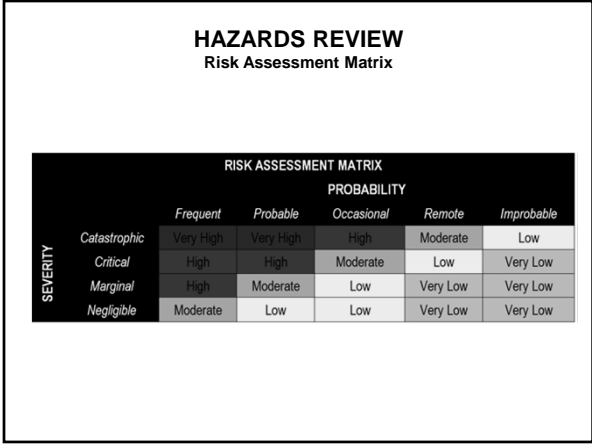
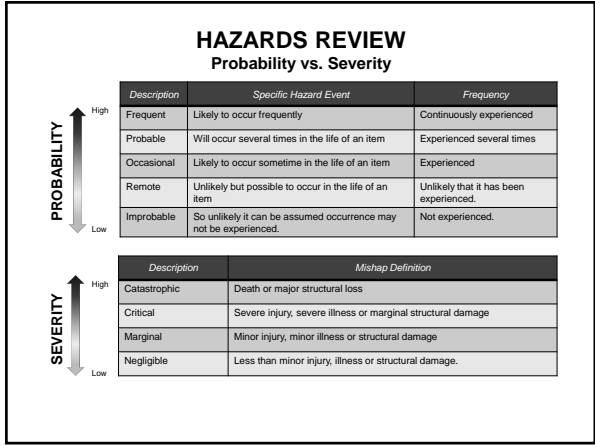
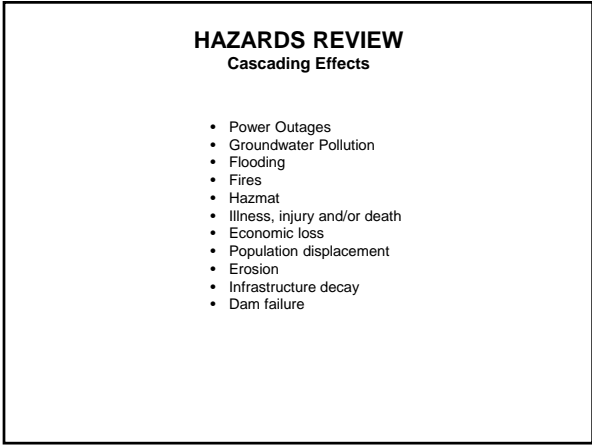
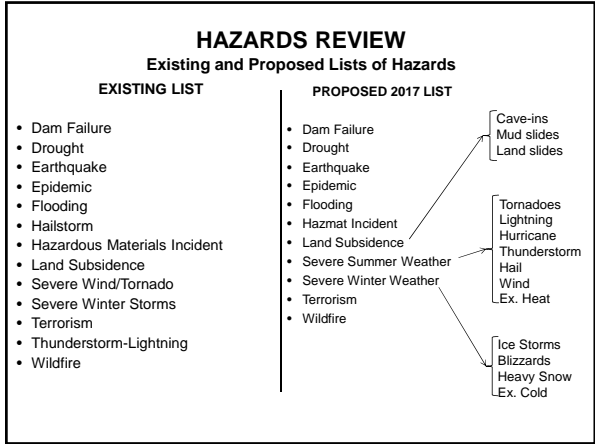
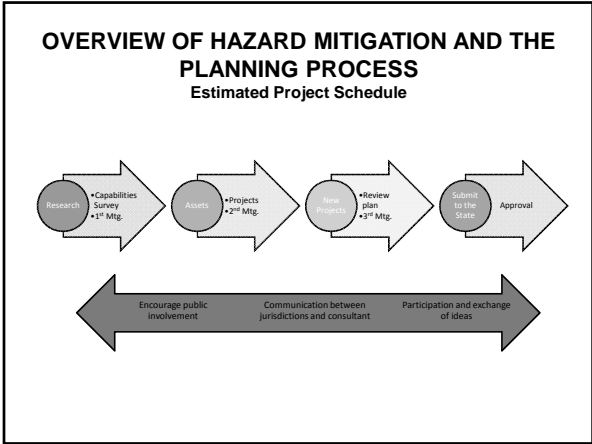
The Hazard Mitigation Plan

- Planning Process
- Description of the planning area
- Risk Assessment
 - Hazard profiles
 - Assets inventory
 - Development trends
- Action plan
 - Goals
 - Strategies (projects)
- Plan maintenance
- Appendices

OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS

Steering Committee Roles & Responsibilities

- Committee Review – Will need to meet regularly to work through the document in order to complete the timeline.
- Additional contact with committee members will be made by phone, through email, and teleconferences as needed.
- Committee members will be asked to complete tasks specific to their jurisdiction.
- JHC planning staff will be primarily responsible for research and document drafting.



TASKS
Asset Inventories

- Need to update the Asset Inventory included in the plan.
 - Critical Facilities
 - Vulnerable Populations (e.g., schools, nursing homes, etc.)
 - Economic Assets (i.e., discuss thresholds)
 - Historical Considerations
 - Special Considerations
- Note the following for each:
 - Name of facility
 - Address (for mapping)
 - Type of facility

PUBLIC OUTREACH & ENGAGEMENT
Meetings and Online Survey

Public input is required per FEMA, and can be obtained in multiple ways.

- Meetings for the public to comment on the process.
- Copies of the plan at government offices/libraries for review and comment.
- Online surveys.
 - Social media presence is very important for these surveys to be successful.

Q & A

THANK YOU!

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Paul Lewis

Jurisdiction: Hardey Co.

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	No particular area. However some of the dams in the county are getting some age on them.
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	Every summer we have a drought period that affects farmer's crops, etc
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	I know we have a fault going thru our area but not concerned at this time.
Epidemic	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: 1985 major Location: Moserfield and other parts of county	We have an earth built fracture around Moserfield to handle flooding but not a lot. I know that there are water lines and it may not be high enough.
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: Location:	Really concerned about hazmat incident from airplane crash with Amtrak bus company there. It may be a big problem.
Land Subsidence	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	Have had a few small slides but nothing major.

- Severe Summer Weather
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:
Location:

Have had severe wind
more than the valley
with major damage and
flooded situation in
the County

- Severe Winter Weather
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date: 2015
Location: Hacky Co

Have had major
winter storms ever since
to three years

- Terrorism
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:
Location:

Concerned because of
poultry industry and
water supply going to
Potomac River

- Wildfire
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:
Location:

Always have one or two
major wildfires every
other year

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Jessica Szabo

Jurisdiction: City of Romney

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
	<input type="checkbox"/> Somewhat Concerned		
	<input checked="" type="checkbox"/> Concerned		
	<input type="checkbox"/> Very Concerned		
Dam Failure	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input checked="" type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Drought	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input checked="" type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Earthquake	<input checked="" type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Epidemic	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input checked="" type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Flooding	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input checked="" type="checkbox"/> Very Concerned	_____	_____
Hazmat Incidents	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input checked="" type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Land Subsidence	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input checked="" type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____

- Severe Summer Weather
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date: 04/2017

Location:
South Hills Basin
Whipoorwill Drive

Heavy Rain fall and poorly maintained storm drains led to flooding in several homes

Severe Winter Weather

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

Terrorism

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

Wildfire

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Melissa SCOTT

Jurisdiction: Floridy County PLANNING

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Epidemic	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	[FEMA LAMP Pilot Project Data Source] Levee in Moorefield has been determined to be too low, plus protects for 100yr when we have seen 400-500yr floods.
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Land Subsidence	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

- Severe Summer Weather
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:

Location:

- Severe Winter Weather
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:

Location:

Several Structures had
RWT collapse after heavy snow.
with NO building code enforcement
insurance companies are more reluctant
to insure

- Terrorism
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:

Location:

- Wildfire
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:

Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

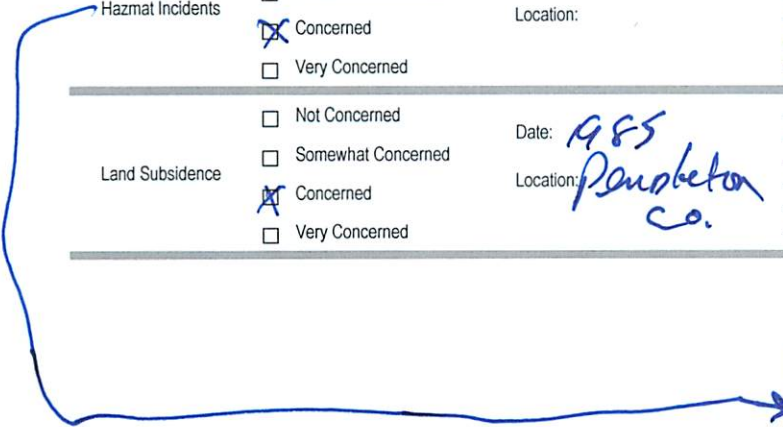
TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: G. McConnell

Jurisdiction: Panola County

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	<u>Concerned due to several Flood Control Dams in the S. Fork Area of Panola</u>
Drought	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	
Earthquake	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	
Epidemic	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	<u>Always a possibility, however sparse population makes control easier.</u>
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: <u>1985/1996</u> Location: <u>Panola Co.</u>	
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	<u>Columbia Gas Pumping Sta. at Seneca. Response to Gas Incident Different from HAZMAT</u>
Land Subsidence	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: <u>1985</u> Location: <u>Panola Co.</u>	<u>Numerous Landslides occurred during floods of 1985 blocking roads & streams and contributing to greater flooding</u>



Also many trucks travel thru county with potentially hazardous material. Mtn roads are treacherous making a HAZMAT event more likely

Severe Summer Weather

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Severe Winter Weather

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Terrorism

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Wildfire

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Drew Bubaker

Jurisdiction: Mineral Co.

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
	<input type="checkbox"/> Somewhat Concerned		
	<input checked="" type="checkbox"/> Concerned		
	<input type="checkbox"/> Very Concerned		
Dam Failure	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Drought	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Earthquake	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Epidemic	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Flooding	<input type="checkbox"/> Not Concerned	Date: <u>ongoing</u>	<u>There are a number of camp sites on Patterson Creek outside of Super, N.V. during heavy rain these sites are subjected to mild flooding. My desire is to ensure occupants vacate when flooding occurs</u>
	<input checked="" type="checkbox"/> Somewhat Concerned	Location: _____	
	<input type="checkbox"/> Concerned	_____	
	<input type="checkbox"/> Very Concerned	_____	
Hazmat Incidents	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Land Subsidence	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Severe Summer Weather

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Severe Winter Weather

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Terrorism

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Wildfire

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Luke Mulkenan

Jurisdiction: Mineral County

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: 2014 May/June Location: entire county, mostly Kayser	A number of years ago we had a drought that nearly took residents of Alameda Cidres without water. The fire department had to shuttle and pump water from other locations to fill holders & water.
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Epidemic	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	Mineral County has a lot of development in our flood plain. Flooding is more common we do still have some instances where isolated flooding occurs.
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	We have a large amount of trains and trucks that come through our County as well as Orbital ATC. We have very few Hazmat resources.
Land Subsidence	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Severe Summer Weather

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Severe Winter Weather

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Terrorism

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Wildfire

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Roger Leatherman

Jurisdiction: M.oral Co.

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
	<input type="checkbox"/> Somewhat Concerned		
	<input checked="" type="checkbox"/> Concerned		
	<input type="checkbox"/> Very Concerned		
Dam Failure	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input checked="" type="checkbox"/> Concerned	Tennings Lake & Smaller Fl. Control Dams.	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Drought	<input checked="" type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Earthquake	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: Tennings Lake	_____
	<input checked="" type="checkbox"/> Concerned	_____	breaking of face wall of Tennings & several smaller Dams. Major Damage To Piedmont & Keyser
	<input type="checkbox"/> Very Concerned	_____	_____
Epidemic	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input checked="" type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____
Flooding	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: Tennings & Smaller Fl. Control Dams	_____
	<input checked="" type="checkbox"/> Concerned	_____	Failure of Dams. the large Dams Cause Major Damage Smaller Fl. Control can cause Damage To the Smaller Communities
	<input type="checkbox"/> Very Concerned	_____	_____
Hazmat Incidents	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: Keyser, Piedmont	_____
	<input checked="" type="checkbox"/> Concerned	_____	Railroad mishaps causing major Damage To Piedmont & Keyser Areas.
	<input type="checkbox"/> Very Concerned	_____	_____
Land Subsidence	<input checked="" type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	_____
	<input type="checkbox"/> Concerned	_____	_____
	<input type="checkbox"/> Very Concerned	_____	_____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Severe Summer Weather

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Severe Winter Weather

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Terrorism

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Wildfire

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Brian Malcolm

Jurisdiction: Hampshire HSEM

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	<u>We have only 1 recordable Dam in Hampshire County and Hampshire County that would affect 21 Residents</u> <u>We are prone to Dam failures from other Counties though.</u>
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	
Earthquake	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	
Epidemic	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: Location: <u>South Beach of The Potomac</u>	<u>Severe Flooding can cause road closures + loss of property + life.</u> <u>We have had the same problem to this as Hampshire has been flooded majorly 2 times in 32 years</u>
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	<u>No major incident yet but there is a CSX main line traveling through parts of Hampshire County</u>
Land Subsidence	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	

- Severe Summer Weather
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date: 2012
Location:

Detected ~~more~~ widespread
power outages during extreme heat

- Severe Winter Weather
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date: 2015
Location:

Excessive cold + snow causing
widespread power outages.

- Terrorism
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:
Location:

- Wildfire
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:
Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

REGION 8 HAZARD MITIGATION PLAN UPDATE

August 15, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Brian Malcolm

Agency/Municipality/Other: Hampshire Co HSEM

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic		Flooding		Hazard Incident Earthquake	
	Critical		Severe Winter Weather	Severe Summer Weather	Epidemic Dam Failure Terrorism	
	Marginal				Drought ... Land Subsidence	Wildfire
	Negligible					

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 8 HAZARD MITIGATION PLAN UPDATE

August 15, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Roger Leatherman

Agency/Municipality/Other: Muskegon Co. Communities

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic			Dam Failure Flooding		
	Critical			Hazmat Incident		
	Marginal			Severe winter weather Severe summer weather	Earthquake Terrorism Drought	
	Negligible				Wild Fire	Land Subsidence

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 8 HAZARD MITIGATION PLAN UPDATE

August 15, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Luke M Glanze

Agency/Municipality/Other: Mineral County HSEM

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic				Epidemic	- Dam failure - Terrorism
	Critical			Earthquake - Severe Summer storms -	Hazard incidents	
	Marginal		- Flooding - severe winter storms - wild fire	Earthquake		
	Negligible		Drought			Land subsidence

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 8 HAZARD MITIGATION PLAN UPDATE

August 15, 2017 Steering Committee Meeting

Risk Assessment Matrix Exercise

Name: Arew Brubaker

Agency/Municipality/Other: Mineral County Commission

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic					Terrorism Atom failure
	Critical				flooding (severe) Epidemic	Earthquake
	Marginal		Severe winter weather Severe summer weather		Wild fire Hazard incident	Land subsidence
	Negligible		Drought			

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 8 HAZARD MITIGATION PLAN UPDATE

August 15, 2017 Steering Committee Meeting

Risk Assessment Matrix Exercise

Name: Gene MacLennan

Agency/Municipality/Other: Doonbegin County

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic		Flooding			Earthquake
	Critical		HAZ MAT	Epidemic Severe Summer Wth Severe Winter Wth Wildfire		Terrorism
	Marginal			Land Subsidence	Dam Failure	
	Negligible			Drought		

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 8 HAZARD MITIGATION PLAN UPDATE

August 15, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Melissa Scott

Agency/Municipality/Other: Hardy County planning

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic		Flooding		HAZMAT-GAS TERRORISM	
	Critical			Dam Failure Epidemic		
	Marginal		Winter Storm Land Subsidence Drought	Wildfire	Earthquake	
	Negligible		Drought Severe Summer weather			

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 8 HAZARD MITIGATION PLAN UPDATE

August 15, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Jessica Szabo

Agency/Municipality/Other: City of Romney

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic			Flooding		Haymat Terrorism Wildfire
	Critical	Severe Summer weather Summer weather Winter weather			Drought Epidemic Land Subsidence	Earthquake
	Marginal	Severe Winter weather			Severe Winter weather	Dam Failure
	Negligible					

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 8 HAZARD MITIGATION PLAN UPDATE

August 15, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Paul R Lewis

Agency/Municipality/Other: Hardy Co. - DEM/211

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic	Flooding		Haz mat Incident		
	Critical					
	Marginal	Severe Summer weather	Severe Summer weather wild fires		Dam Failure Epidemic	Earthquake
	Negligible				Terrorism	Land Subsidence

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 8 HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Steering Committee Meeting #2

September 11, 2017 ~ 1:00 pm

Sign In Sheet

	Name	Affiliation	Email
1.	Alex Brubaker	Mineral Co. Coordinator	abrubaker@mineralcounty.wv.com
2.	Cullen Sherman	Grant County Health Dept.	Cullen.b.Sherman@wv.gov
3.	Paul Lewis	Hardy Co OEM / 911	hardypoc@hardynet.com
4.	Bruce Minor	Pendleton Co. OEM	tact.12000@yahoo.com
5.	Amy Heimburger	JH Consulting	aheimburger@jhcpreparedness.com
6.	Carla Dent	R8 POC	cdent@regioneight.org
7.	Melissa Scott	Hardy Co Planning	m.scott.hardyplanner@gmail.com
8.	Frank Wehrle	Town of Franklin	townfrankline@gmail.com
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			

APPENDIX 2

PROCESS AND PARTICIPATION



REGION 8 HAZARD MITIGATION PLAN 2017 UPDATE

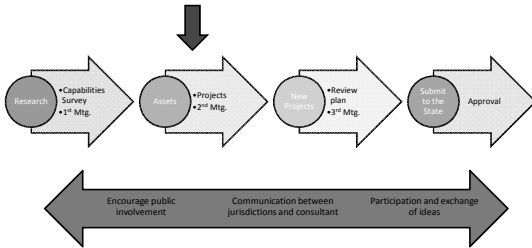
Region 8 PDC Offices
September 11, 2017
1:00 pm
131 Providence Lane
Petersburg, WV 26847

WELCOME AND INTRODUCTIONS



OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS

Estimated Project Schedule



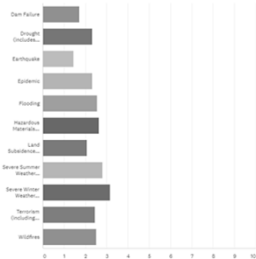
HAZARDS VS. GOALS REVIEW

Hazard	Corresponding Goals	Others
• Dam Failure	..... (6)	Public Education..... (1)
• Drought	..... (5)	Miscellaneous..... (9)
• Earthquake	..... (5)	
• Epidemic	..... (3)	
• Flooding	..... (15)	
• Hazmat Incident	..... (5)	
• Land Subsidence	..... (5)	
• Severe Summer Weather	..... (5)	
• Severe Winter Weather	..... (7)	
• Terrorism	..... (5)	
• Wildfire	..... (5)	

HAZARDS VS. GOALS REVIEW New Lists of Hazards

Please indicate how concerned you are about the following hazards, specifically where you live.

ANSWERED BY: 8/29/2017



TASKS

Goals, Objectives, Projects/Strategies

GOALS

The overall vision toward which the region will focus efforts
"Reduce property loss caused by flooding in Region 8"

OBJECTIVES

Provide a way to measure the movement toward the goal.

- "Acquire and demolish one quarter of the total properties damaged by flooding within the next 5 years"
- "Engage partners to educate them on their flood risks"

STRATEGIES

Specific tasks each jurisdiction will take on that will work toward the overall goal.

- "Apply for grants to acquire two properties on S Town Run Rd" – Moorefield.
- "Work with the Michael Brothers Memorial Field to ensure they purchase NFIP insurance to prevent loss" - Petersburg

TASKS
Capabilities Assessment

You received an online survey by email. This survey asks you about your jurisdiction's:

- rules and regulations regarding floodplain, zoning, and building codes,
- comprehensive plans.
- participation in the NFIP, and
- available capital and public works budget.

TASKS

- Update the Asset Inventory if you haven't already.
- Complete the online capabilities survey
- Complete the FEMA NFIP survey and return
- Update project lists (new and existing)
- Post public survey

THANK YOU!



REGION 8 HAZARD MITIGATION PLAN 2017 UPDATE

Region 8 PDC
September 26, 2017
10:00 am
Conference Call

AGENDA

1. Review goals and objectives
2. Project status update
3. Tasks to be completed

GOALS & OBJECTIVES

GOAL 1: Minimize loss of life and property due to natural disasters

- Implement and educate the public on notification and warning measures for natural hazard events
- Protect critical infrastructure and assets
- Develop and sustain partnerships among responders and local officials revolving around education and training
- Maintain and enforce floodplain management activities

GOAL 2: Minimize loss of life and property due to human-caused disasters

- Educate the public on measures they can/should take regarding human-caused incidents
- Protect critical infrastructure and assets focusing on hardening structures and enhancing security measures
- Develop and sustain partnerships among responders and local officials revolving around education and training

PROJECTS

What is the status of your projects?

- **Completed:** the project is done and you can prove so with paperwork. Brief explanation of what was done.
- **Deleted:** you no longer want to include this project, you need to explain why.
- **Deferred:** you would like to keep this project because it is relevant, but don't believe you will be able to do anything on the project for at least the next five years.
- **Ongoing:** some projects may be continuous. If the project is ongoing, explain what has been done to date and what will be done in the future.

TASKS

Complete the NFIP survey from FEMA

- All Jurisdictions

Complete the Capabilities survey online

- Keyser, Piedmont, Bayard, Carpendale, Moorefield, Petersburg, Ridgeley, Wardensville

Return assets for your jurisdiction

- Keyser, Piedmont, Romney, Hampshire County, Hardy County, Pendleton County, Bayard, Carpendale, Petersburg, Ridgeley

Complete new projects worksheet

- All Jurisdictions

THANK YOU!

Region 8 Planning and Development Council - September 21, 2017

v if correct	Last	First	Address	Telephone	Email
	Alderman	Greg	PO Box 7, Wardensville, WV 26851	304-874-3950	
	Veteran Armentrout	Butch	P.O. Box 7 Ridgeley, WV 26753	304-738-1612 (w)	carp7@atlanticbb.net
✓	Ashley	Joan	457 Ashley Lane, Franklin, WV 26807	304-358-2572 (h)	joan.ashley@frontier.com
	Bean	William	P.O. Drawer 30 Moorefield, WV 26807	304-530-6198 (w)	gentlemenfirst@yahoo.com
	Bland	Michael	150 Armstrong Street Keyser, WV 26726	304-788-5921 (w)	mbland@mineralcountywv.com
	Braithwaite	Tom	P.O. Box 256, Elk Garden, WV 26717	304-446-5684 (h)	wbraithwaite@shentel.net
	Brill	Alan	5864 Carpers Pike, Yellow Springs, WV 26865	304-856-3635 (h)	abrill@frontiernet.net
	Carr	Lynn	PO Box 1290, Ridgeley, WV 26753	304-738-9400 (w)	ridgeleymayor@atlanticbbn.net
	Combs	Mallie	P.O. 209 Moorefield, WV 26836	304-530-3047 (w)	mjcombs@hardynet.com
	Durst	Steven	P.O. Box 274, Bayard, WV 26707		
	Funkhouser	Amy	92 Middle Cove Road, Mathias, WV 26812	304-874-3512	
	Hammond	John	P.O. Box 177, Yellow Springs, WV 26865	304-874-4115 (h)	john@asaclinehouse.com
	Helmick	Rose	204 Washington Street, Moorefield, WV 26836	304-530-0284	hdycorppi@court.state.wv.us
	Hevener	Carl	343 PG Riggleman Road, Franklin, WV 26807	304-668-9113 c	
	Hiser	Harold	5 Highland Avenue Petersburg, WV 26847	304-257-4550 (w)	
	Keadle	Beverly	340 East Main Street Romney, WV 26757	304-822-5118 (w)	mayorofromney@atlanticbbn.net

✓	Kitzmiller	Tammy	PO Box 114, Petersburg, WV 26847	304--257-2168 (w)	TKitzmiller@grantcounty-wv.com
✓	Leatherman	Roger	HC 75 Box 144, New Creek, WV 26743	304-289-3106 (h)	rdlivl@frontiernet.net
	Liller	Terry	370 Hilltop Avenue, Keyser, WV 26726	304-790-2981 c	terryliller@gmail.com
	Loving	William	PO Box 238, Franklin, WV 26807	304-668-0218 c	bloving@yourbank.com
	Michael	Gary	PO Box 669, Petersburg, WV 26847	304-257-4941	gam99@frontiernet.net
	Parker	David	P.O. Box 901, Romney, WV 26757	304-822-5896 (h)	drparker68@yahoo.com
	Sasso	Valerie	PO Box 397, Franklin, WV 26807	304-358-3603	jrakula@frontier.com
	Sirbaugh	Stephen	HC 71 Box 75-DA, Capon Bridge, WV 26711	304-856-3625 (w)	
	Smith	Benjamin	52 Second Street, Piedmont, WV 26750	304-813-2400	love_for_chevys@hotmail.com
	Smith	Richard	401 Maple Avenue, Moorefield, WV 26836	304-538-7711 (w)	rsmith@ewvcaa/prg
	Stalnaker	Gary	206 Winchester Ave, Moorefield, WV 26836	304-530-6142	townofmfld@hardynet.com
	Walker	Dale	HC 69 Box 228, Fort Seybert, WV 26802	304-249-5397	dmw@frontier.com
	Watts	Sherry	316 Eastern Drive, Moorefield, WV 26836	304-434-8000 (w)	sherry.watts@easternwv.edu
	Wilkins	J. D.	P.O. Box 26, Riverton, WV 26814		jwilkins@grantcountybank.com
	Williams	Elwood	504 Clement Street, Moorefield, WV 26836	304-257-7236 c	cew1999@hardynet.com

Guests Name	Address	Telephone	Email	Representing
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Frank Wehrle	"	"	"	Franklin
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Karol Ashenfelter		304 788 2288	Karol/Shirleyash@hotmail.com	Keyser
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Shirley VanMetre		Staff		
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Wagie Cull		Staff		
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Scott Gossard		Staff		
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Melissa Lake		Region 8 Staff		
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Carla Dent		Staff		
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Terry Lovely		Staff		
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AGENDA

Region 8 Planning and Development Council Meeting

Thursday, September 21, 2017

12:30 p.m.



- I. CALL TO ORDER
- II. MINUTES OF PREVIOUS MEETING
July 2017
- III. COMMUNICATIONS
 - A. National Flood Insurance Program (NFIP)
 - B. Value Added Producers Grant Application Workshop
- IV. REPORT
 - A. Treasurer's Report
- V. BUSINESS
 - A. Fiscal Policy and Procedure Updates
 - B. Transitional Housing Extension
 - C. Proposed Changes
 - D. Hazard Mitigation Update
 - E. Director's Report
- VI. ADJOURNMENT

Region 8 Planning and Development Council
Thursday, September 21, 2017

CALL TO ORDER

Terry Lively called the meeting to order at approximately 12:35 p.m. There were only 2 voting members present, quorum requirements were not met. Therefore, they could not vote on the action items. They will have an Executive Committee meeting in the near future to discuss action items and other important information.

COMMUNICATIONS

- A letter dated August 2017 from Allan L. McVey, Insurance Commissioner, notifying all West Virginia state and local governmental entities and non-profit organizations that flood insurance may be available through the National Flood Insurance Program (NFIP).
- Received a flyer from the USDA for a Value Added Producers Grant Application Workshop that will be held on Tuesday, September 26, 2017 from 1:00 p.m. -3:00 p.m.
- Received an e-mail from Beth Ludewig with WV Small Business Development Center. She will be hosting a Small Business Fundamentals Workshop at the Region 8 PDC office on Wednesday, October 25, 2017 at 6:00 p.m.

REPORTS

Treasurer's Report

An agency wide balance sheet and agency-wide line item revenues and expenditures sheet was provided to members in their meeting packet.

BUSINESS

Fiscal Policy and Procedure Updates

The new Uniform Guidance (2 CFR 200) became effective in December 2014. This new guidance superseded the OMB circulars A-133 and A-87 which previously provided the guidance for state and local governments. All federal grants awarded after December 2014, regardless of the recipient, now follow one uniform guidance code. As a result of this new guidance, the Council has amended some of its fiscal policies to reflect the new regulations. Our auditors, PB Mares, recommended that the Council formally adopt the new Uniform Guidance Cost Principles. Additionally, they also recommended the adoption of a Conflict of interest policy and a cash management policy that reflect the new regulations. Furthermore, they recommended that we review our current procurement policy to ensure that all regulations for procurement are outlined in the policy correctly. The policies have been updated to reflect any necessary changes. A resolution to recognize the adoption of the policies is included in your packet.

Transitional Housing Extension

In December 2016, the Council prepared applications to the Veterans' Administration for the Grants Per Diem Program which funds the Transitional Housing Program. We were recently notified that our application was not funded, but they have given us an extension of 1 year for

24 beds to continue the program until September 30, 2018. During this time, there will be another notice of funding availability (NOFA) and we will submit another application. Staff is currently trying to determine what the Department of Veterans' Affairs requires in these applications to enable to be reviewed favorably.

Proposed Changes

Terry informed the group at a recent Community Advancement and Development (CAD) Conference held by the WV Development Office, Secretary of Commerce, H. Wood Thrasher, and Mary Jo Thompson, Director, Community Advancement and Development announced a proposal to amend the current alignment of 11 Regional Councils. The proposal would affect 8 of the Councils. Three Councils would be left unchanged. Currently this is in the planning stage, but it is set to be proposed to the Legislative during next year's session. The WV Development Office is strongly recommending this change. The proposed change would combine Regions 8 and 9. The combining of Region 8 and Region 9 could have adverse effects on both regions that he does not believe the state thoroughly understands. Two maps were included in the meeting packet. One is the current make up of the 11 Regional Councils and the other is a map showing the proposed seven CAD zones. Terry told the group that he would be glad to entertain any questions that they may have at this time. Discussion Occurred.

Hazard Mitigation Update

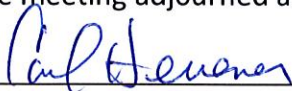
The Steering Committee met on August 15th and September 11th to discuss the Hazard Mitigation Plan Update. Jeffery Harvey and Amy Heimberger with JH Consulting presented a PowerPoint presentation. Amy gave all the members risk assessments and asset lists to complete. The Steering Committee will meet by conference call at 10:00 a.m. on September 26, 2017 to review the goals and objectives. All jurisdictions are encouraged to attend. The next in-person steering committee meeting will be on Wednesday, October 18, 2017 at 1:00 p.m.

Director's Report

The National Council on Aging held a site visit on September 13 – 15, 2017, for the Senior Community Service Employment Program. The performance evaluation stated that the program helped the maximum number of eligible older Americans better their lives. Overall the Council received an excellent review of the program. This project has been performing at a very high level across all aspects of program management.

ADJOURNMENT

The meeting adjourned at 1:30 p.m.



Carl Hevener, Secretary



Carla Dent, Executive Assistant

REGION 8 HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Steering Committee Meeting #4

October 25, 2017 ~ 1:00 pm

Sign In Sheet

	Name	Affiliation	Email
1.	Frank Wehrle	Town of Franklin	townfranklin@gmail.com
2.	Drew Brubaker	Mineral Co. Commissioner	dbrubaker@mineralcounty.wv.gov
3.	Carla Dent	Region 8	cdent@regioneight.org
4.	Amy Heimberger	JH Consulting	aheimberger@jhppreparedness.com
5.	Paul R Lewis	Hardy Co OEM/9/11	hardypoc@hardynet.com
6.	Cullen Sherman	Grant Co Health Dept	Cullen.Sherman@WV.gov
7.	Brian Malcolm	Wayside County HSEH	bmalcolm@wayside.wv.gov
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			



REGION 8 HAZARD MITIGATION PLAN 2017 UPDATE

Region 8 PDC Offices
October 25, 2017
1:00 pm
131 Providence Lane
Petersburg, WV 26847

AGENDA

1. Review goals and objectives
2. Project status update
3. Tasks to be completed
4. Public survey results
5. New projects
6. Future development

GOALS & OBJECTIVES

GOAL 1: Minimize loss of life and property due to natural disasters

- Implement and educate the public on notification and warning measures for natural hazard events
- Protect critical infrastructure and assets
- Develop and sustain partnerships among responders and local officials revolving around education and training
- Maintain and enforce floodplain management activities

GOAL 2: Minimize loss of life and property due to human-caused disasters

- Educate the public on measures they can/should take regarding human-caused incidents
- Protect critical infrastructure and assets focusing on hardening structures and enhancing security measures
- Develop and sustain partnerships among responders and local officials revolving around education and training

PROJECTS

What is the status of your projects?

- **Completed:** the project is done and you can prove so with paperwork. Brief explanation of what was done.
- **Deleted:** you no longer want to include this project, you need to explain why.
- **Deferred:** you would like to keep this project because it is relevant, but don't believe you will be able to do anything on the project for at least the next five years.
- **Ongoing:** some projects may be continuous. If the project is ongoing, explain what has been done to date and what will be done in the future.

TASKS

Complete the NFIP survey from FEMA

- All Jurisdictions

Complete the Capabilities survey online

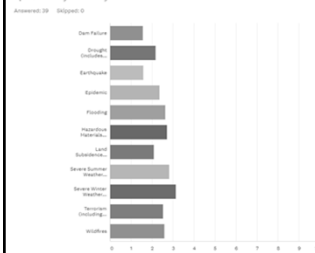
- Keyser, Piedmont, Bayard, Carpendale, Moorefield, Petersburg, Ridgeley, Wardensville

Return assets for your jurisdiction

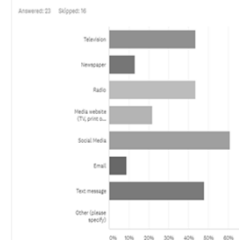
- Keyser, Piedmont, Romney, Hardy County, Pendleton County, Bayard, Caprendale, Petersburg, Ridgeley

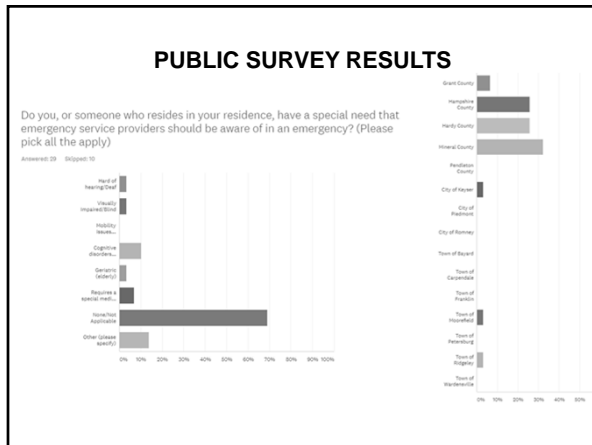
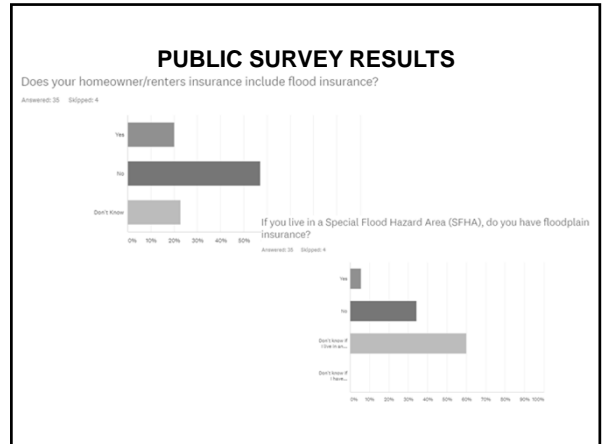
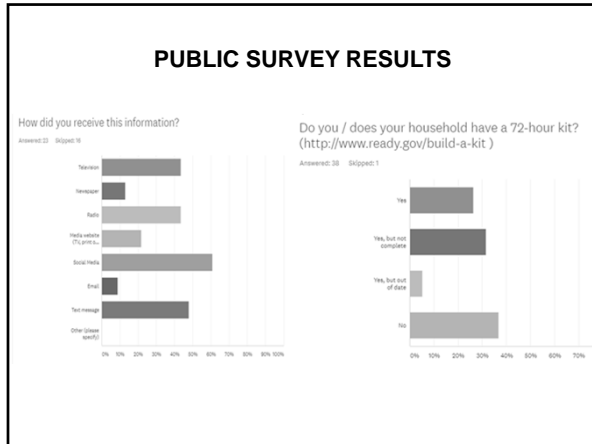
PUBLIC SURVEY RESULTS

Please indicate how concerned you are about the following hazards, specifically where you live.



How did you receive this information?





TASKS

Complete new projects worksheet

- All Jurisdictions

FUTURE DEVELOPMENT DISCUSSION

- How has the region (each county) developed in the last five years?
- Has your jurisdiction implemented any new or updated codes/ordinances/regulations regarding building in certain areas (restricting or encouraging)?
- Over the past five or ten years have you seen any demographic changes, economic development, etc., that may impact the next five years?
- What are the development plans for your jurisdiction?

PLAN MAINTENANCE DISCUSSION

- How will you ensure that mitigation strategies are implemented according to the plan?
- How will you monitor progress?
- When will you monitor progress?
- How will every jurisdiction report progress?
- How will you identify changes/updates in the plan?
- How will you document changes in priorities?

PLAN INTEGRATION DISCUSSION

- What other plans does your jurisdiction currently have?
- Are there any plans that your jurisdiction is updating?
- How do these plans address mitigation issues? Do they include mitigation projects?
- How can you use this mitigation plan to inform others in your jurisdiction?

THANK YOU!

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

This worksheet is designed to assist you in identifying mitigation projects that you are currently working on in your jurisdiction or soon will be. Please fill out the sheet completely and as specifically and accurately as possible.

MITIGATION is “the effort to reduce loss of life and property by lessening the impact of disasters” (FEMA.gov, 2016).

EXAMPLES OF **MITIGATION** ACTIONS ARE PLANNING AND ZONING, FLOODPLAIN PROTECTION, PROPERTY ACQUISITION AND RELOCATION, OR PUBLIC OUTREACH PROJECTS.

EXAMPLES OF **PREPAREDNESS** ACTIONS ARE INSTALLING DISASTER WARNING SYSTEMS, PURCHASING RADIO COMMUNICATIONS EQUIPMENT, OR CONDUCTING EMERGENCY RESPONSE TRAINING.

- FEMA, 2013

The following hazards have been identified by the steering committee for your planning area. Please use these as a guide to filling out the worksheet.

- Dam Failure
- Epidemic
- Land Subsidence
- Terrorism
- Drought
- Flood
- Summer Weather
- Wildfire
- Earthquake
- Hazmat
- Winter Weather

For project ideas, refer to FEMA’s *Mitigation Ideas: A resource for reducing risk to natural hazards* document available online.

1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

Hazard of Concern	Reasons for Concern	Impacts or Destruction from Hazard
a. Ex. Flood	Ex. The storm sewers back up causing flooding throughout the town.	Ex. Main St. floods every time it rains for over two hours and causes the street to be closed to traffic. Businesses are impacted by the loss in revenue from the lack of access.
b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Flood/Sudden Down pours	Storm system currently not designed to handle storm loads	Erosion of streets & property damage
2. Storms/Loss of Power	Loss of power causes water pump stations to stop functioning.	Loss of supplied water to certain sections of town
3.		
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Flood/Sudden Down pours	Case by case reacting to hazards created	Research possible improvements/upgrades to storm system
2. Storms/Loss of Power	Temporary water stations	Generator to be installed @ pump station once funds are found
3.		
4.		
5.		

3. Based on the *completed* projects from the previous plan, are there any that could be expanded upon?

Hazard of Concern	Previous Project ID & Description	Further development of project
a. Ex. Flood	Ex. 1.1.1 Maintain compliance with the NFIP at the jurisdictional level by attending training, monitoring development, and ensuring the local floodplain regulations are as current and applicable as possible.	Ex. Thoroughly research Community Rating System requirements and begin gathering necessary paperwork to become a CRS Community. Identify and implement new projects that can count toward CRS.
1. N/A		
2.		
3.		
4.		
5.		

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

This worksheet is designed to assist you in identifying mitigation projects that you are currently working on in your jurisdiction or soon will be. Please fill out the sheet completely and as specifically and accurately as possible.

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- FEMA, 2013

The following hazards have been identified by the steering committee for your planning area. Please use these as a guide to filling out the worksheet.

- Dam Failure
- Epidemic
- Land Subsidence
- Terrorism
- Drought
- Flood
- Summer Weather
- Wildfire
- Earthquake
- Hazmat
- Winter Weather

For project ideas, refer to FEMA’s *Mitigation Ideas: A resource for reducing risk to natural hazards* document available online.

1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

Hazard of Concern	Reasons for Concern	Impacts or Destruction from Hazard
a. Ex. Flood	Ex. The storm sewers back up causing flooding throughout the town.	Ex. Main St. floods every time it rains for over two hours and causes the street to be closed to traffic. Businesses are impacted by the loss in revenue from the lack of access.
b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Repetitive Flood Loss Flooding	Continued loss by same homeowners	Several homes have experienced past flooding
2. Flood	Several Residents become stranded when flooding occurs	need to work on backup evacuation routes or the ability to shelter before flooding
3.		
4.		
5.		

Jurisdiction: _____

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Flood	Stricter Floodplain & Flood way regulations have been placed for new Const.	Attempt to mitigate these residents through a buyout program
2. Flood	Identifying the problem	A meeting with these residents & DOT officials to work on a solution.
3.		
4.		
5.		

3. Based on the *completed* projects from the previous plan, are there any that could be expanded upon?

Hazard of Concern	Previous Project ID & Description	Further development of project
a. Ex. Flood	Ex. 1.1.1 Maintain compliance with the NFIP at the jurisdictional level by attending training, monitoring development, and ensuring the local floodplain regulations are as current and applicable as possible.	Ex. Thoroughly research Community Rating System requirements and begin gathering necessary paperwork to become a CRS Community. Identify and implement new projects that can count toward CRS.
1. Flooding		work to mitigate these sites through buyout.
2.		
3.		
4.		
5.		

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: Grant County

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	September 27, 2009
c. Does the municipality support request for map updates?	If yes, state how.	Yes	Public meetings
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	If any new data is found it is shared with FEMA
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	When property owners go to obtain a building permit a floodplain determination is done first
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	Grant County Commission / Grant County Health Department

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.		
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Grant County Health Department
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	GCHD
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	GCHD
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Grant County Health Department
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Any violations of the ordinance is reported to FEMA if the property owner is noncompliant. If this does not work Can take the issue to magistrates Court.

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	Yes	Looked at joining the CRS Program however; with my other duties as a Sanitarian I do not have the time to be that involved in floodplain management

3. FLOOD INSURANCE			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	Yes	when they are building in the flood zone individuals are informed about flood insurance
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes	when changes are made to the maps a community meeting is held to inform about the changes to the map
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	Flood plain determinations

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

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- FEMA, 2013

The following hazards have been identified by the steering committee for your planning area. Please use these as a guide to filling out the worksheet.

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b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Extreme Winter Storms with Heavy Snow	Power Lines down Road Closure	Accidents with Injuries Delay getting to people Length of Power Outages
2. Flooding	Have had major Flood in County before and will happen again.	Earthquake walls were made and have not really been tested for Protection
3. Hazmat	One Industry that sits in Moonfield has a large quantity of a chemical that is deadly if released	Most likely several people would die or become ill before they could be evacuated
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Winter storms	Problems are known by everyone. we try to keep roads cleared and people prepared.	More education on being prepared.
2. Flooding	Man made protection well as Mansfield all new structures has to meet FEMA regulations.	Continue to educate public and have them protect their property and any way they can by retro fitting.
3. Haymat	Company has placed cut off valves every 500 feet to be able to cut off the flow in a leak.	Continue to monitor and work with Safety Center the Industry.
4.		
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3. Based on the *completed* projects from the previous plan, are there any that could be expanded upon?

Hazard of Concern	Previous Project ID & Description	Further development of project
a. Ex. Flood	Ex. 1.1.1 Maintain compliance with the NFIP at the jurisdictional level by attending training, monitoring development, and ensuring the local floodplain regulations are as current and applicable as possible.	Ex. Thoroughly research Community Rating System requirements and begin gathering necessary paperwork to become a CRS Community. Identify and implement new projects that can count toward CRS.
1. Communication system	2.2.1 - Regional Plan - continue to build additional towers and continue build out	Keep press state government the need for funding for upkeep of the system
2. water resources	H 3.1.3 - Plan was done a few years back	Plan needs review and updated.
3.		
4.		
5.		

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: HAMPSHIRE COUNTY

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	Available at the Hampshire County Planning Office & the Hampshire County Library
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	November 7, 2002
c. Does the municipality support request for map updates?	If yes, state how.	Yes	GIS Layers and any new studies are presented.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	The Planning Office would share any scientific data via the Regional Office of FEMA and the WV State Office of Emergency Management FEMA Representatives.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	The Planning Office will review all forms and give guidance where needed. The Planning Office also uses Hampshire County GIS and the WV Flood Tool.
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	The Planning Office

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	The Hampshire County Planning Office
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	The Hampshire County Planning Office
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	The Hampshire County Planning Office
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	The Hampshire County Planning Office
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Building permits are required. Stop Work orders are issued for those who do not obtain a building permit. Floodplain inspections are completed for any work done in a floodplain. Fees and penalties are assessed when someone fails to comply.

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include: <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.		

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.		
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.		
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.		

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: ___HARDY COUNTY

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the COUNTY maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the COUNTY maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	y	YES - they are all on Desktop computer, Online on WV website, FEMA website, and there are hard copies in office
b. Has the COUNTY adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	y	Yes 2009
c. Does the COUNTY support request for map updates?	If yes, state how.	y	YES – We are a required part of the update process so updates would not happen without this office/County Commission being included.
d. Does the COUNTY share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	y	YES – a permit for any project at that level would require CLOMR and that process would provide FEMA with the technical data.
e. Does the COUNTY provide assistance with local floodplain determinations?	If yes, specify how.	y	YES – every building permit gets a floodplain determination – have desktop GIS with DFIRMS, with this, applicants confirm location of each construction.
f. Does the COUNTY maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	y	YES – we get all LOMA and LOMRs mailed to us and all are available through the FEMA map service – All NFIP information and processes are handled by the Hardy County Planning Office Data received at both planning office (planner is the county floodplain manager) and county commission.

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the COUNTY adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the COUNTY issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Planning office issues building permits for ALL development (in our out of SFHA) and all permit applications are required to be compliance with floodplain, zoning and subdivision ordinances Planning Office has all data on file
(2) Does the COUNTY obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	Planning office building permits has all data on file
(3) Does the COUNTY identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	Planning office building permits has all data on file
(4) Does the COUNTY document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Planning office building permits has all data on file.
b. If a compliant floodplain ordinance was adopted, does the COUNTY enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.		Yes, any violations letter are sent and mediation measures suggested violators can be fined. With no building code in place construction detail is not inspected.

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the COUNTY considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.		Consider CRS but without political support for building code points would be low. Will adopt new state floodplain ordinance (template) within next year. Zoning and current floodplain ordinances restrict storage in SFHA and certain types of residential. We try to deter public structure in the SFHA but have received pushback and lack of inclusion in site planning of such structures. Often public entities refuse to get building permits which include floodplain determination and ordinance compliance.

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the COUNTY educate community members about the availability and value of flood insurance?	If yes, specify how.	No	
b. Does the COUNTY inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes	Community meetings that are required with any map changes.
c. Does the COUNTY provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	Help with determinations, data, and elevation certificates and letters.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: Merced County

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	yes	Copies of the maps are on file in the Planning Office in addition to the sub-based w/ Flood Ins.
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	yes	
c. Does the municipality support request for map updates?	If yes, state how.		
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	yes	All LOMHS must be approved by FEMA
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.		
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	yes	Merced County Planning Office

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.		
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	yes	Planning Office
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	yes	Planning Office
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	yes	Planning
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	yes	Planning
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	yes	Elevation studies are all required before and after construction

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	no	

3. FLOOD INSURANCE			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	no	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	no	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	no	

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: PENDLETON COUNTY

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	NO	Information is available online
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	YES	No formal adoption process , however latest information is used for flood determination. Latest is 03/07/2017
c. Does the municipality support request for map updates?	If yes, state how.	YES	Advise requester on how to obtain a LOMA
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	N/A	
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	NO	
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	NO	These records are available from FEMA

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	YES	Assessor's Office
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	NO	No relevant activity
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	YES	County Commission
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	YES	County Commission
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	NO	

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	NO	

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	YES	Provide advice on obtaining Flood Insurance
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	NO	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	YES	Advise on value and reasons for flood insurance

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: TOWN OF FRANKLIN

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	They are available at the Town Office.
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	February 18. 2010
c. Does the municipality support request for map updates?	If yes, state how.	Yes	We submit requests for updates whenever an issue arises requiring them.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	We would share any and all data that comes to us with FEMA.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	The Town Floodplain manager assists in determinations.
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	The Town Office is the repository.

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	The Town Office issues permits.
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	The Town Floodplain manager is responsible for this.
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	The Floodplain manager oversees all construction.
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	The Town Office maintains these records.
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Any and all violations would be addressed by the Town Council.

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	Yes	The Town Council has discussed these plans, and the floodplain manager has worked with them on these endeavors. The Town however is very small and has had no significant construction in many years.

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	Yes	This topic is discussed in public Council meetings.
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes	Any changes are made public.
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	Any insurance issues that arise are discussed with the property owners that may be affected.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: Town of Rumney

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	No	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	No	
c. Does the municipality support request for map updates?	If yes, state how.	No	
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	No	
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	No	
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	No	

2. FLOODPLAIN MANAGEMENT

Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	NO	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Town of Remney Zoning Officer
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	No	
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	Town of Remney Zoning Officer
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Town of Remney Zoning Officer
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Require Permits for New Construction

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include: <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	No	

3. FLOOD INSURANCE			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	No	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	No	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	No	

Our municipality is in need of education Regarding NFIP. We would appreciate someone visiting our Town Office to instruct us as to the best way to develop a Flood Insurance Program.

National Flood Insurance Program (NFIP) Survey

Jurisdiction: Town of Capon Bridge

1a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?

Yes-Available at the Hampshire County Planning Office & the Hampshire County Library

1b. Has the municipality adopted the most current DFIRM/FIRM and FIS?

Yes--November 7, 2002

1c. Does the municipality support request for map updates?

Yes-GIS Layers and any new studies are presented.

1d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?

Yes-The Planning Office would share any scientific data via the Regional Office of FEMA and the WV State Office of Emergency Management FEMA Representatives.

1e. Does the municipality provide assistance with local floodplain determinations?

Yes--The Planning Office will review all forms and give guidance where needed. The Planning Office also uses Hampshire County GIS and the WV Flood Tool.

1f. Does the municipality maintain a record of approved Letters of Map Change?

Yes--The Planning Office

2a. Has the municipality adopted a compliant floodplain management ordinance that , at a minimum, regulates the following: Yes-See Below

1. Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?

Yes--The Hampshire County Planning Office

2. Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?

Yes--The Hampshire County Planning Office

3. Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?

Yes--The Hampshire County Planning Office

4. Does the municipality document and maintain records of elevation data that document lowest floor elevation for a new or substantially improved structures?

Yes--The Hampshire County Planning Office

2b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?

Yes--Building permits are required. Stop Work orders are issued for those who do not obtain a building permit. Floodplain inspections are completed for any work done in a floodplain. Fees and penalties are assessed when someone fails to comply.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: Town of Wardsville

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	No	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	No	
c. Does the municipality support request for map updates?	If yes, state how.	No	
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	No	
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	No	
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	No	

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	No	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.		
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.		
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.		
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.		
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	No	

2. FLOODPLAIN MANAGEMENT

<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include: <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	No	

3. FLOOD INSURANCE

<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	No	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	No	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	No	



Mineral County 911
@mineralcounty911

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Mineral County 911

Published by Luke McKenzie [?] · August 30 at 2:01pm · 🌐

The Mineral County Office of Emergency Management and 911 is working with Region 8 Planning and Development Council to update its Hazard Mitigation Plan and looking ahead to increase resilience in the face of disasters. Help us by taking this short survey: <https://www.surveymonkey.com/r/Region8HMP>.

Region 8 Planning & Development Council Hazard Mitigation Survey

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Hampshire County Homeland Security & Emergency
Mgmt - WV



September 13 · 🌟

09/13/2017:

Anonymous Public Input requested:

The Region 8 Planning and Development Council, and Hampshire County are in the process of updating its Hazard Mitigation Plan and looking ahead to increase resilience in the face of disasters. Help us by taking this short survey:

<https://www.surveymonkey.com/r/Region8HMP>.

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Town of Franklin/Franklin Pool & Park

Published by Frank Wehrle [?] · Just now ·

The Town of Franklin is currently participating in the Hazard Mitigation Plan update. This plan helps the Town and its citizens know what to do if and when catastrophic events occur. The Town is asking the public to participate by taking a few minutes and doing a survey. This will help the Town to know what the public needs are. Please click on the link below to participate in the survey. Thanks!

<https://www.surveymonkey.com/r/Region8HMP>

Region 8 Planning & Development Council Hazard Mitigation Survey

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MISSION STATEMENT

It is the mission of the Region 8 Planning and Development Council to obtain the maximum level of economic and community development in the Potomac Highlands of West Virginia through development, planning and by assisting local governments and businesses implement projects and programs.

ECONOMIC DEVELOPMENT

The Region 8 Planning and Development Council offers a number of economic development tools to local businesses and member governments. The Council has two loan programs that assist businesses with expansion, retention or businesses that are just starting up. The Council's loan programs, the Revolving Loan program and the Small Business Development Loan program can be combined with state and conventional lending sources to create attractive financial packages. The Council also works with local governments and development authorities to expand and improve water/sewer systems, industrial parks and other infrastructure needed to keep businesses competitive.

COMMUNITY DEVELOPMENT

The Region 8 Planning and Development Council provides support to local governments in the area of community development. The Council provides financial packaging and administration for infrastructure projects such as water/sewer, community planning, parks and street repair. If you would like more information on community development contact Region 8 at 304-257-2448.

Click [HERE](#) to find us on Facebook

COMMUNITY calendar

Veterans dinner set for Saturday

A veterans recognition dinner, sponsored by the Spruce Mountain Ruritan Club, will be held at 1 p.m. Saturday at the Clinton Hedrick Community Building, Riverton. The dinner is free to all Pendleton County veterans.

EWVCA to offer holiday assistance

Eastern West Virginia Community Action will be taking applications for Christmas assistance during the month of November.

Due to limited resources, first priority will be given to families with children who are younger than school age.

To apply, please contact Edna Mullenax at 304-358-7589 or visit the office on Painters Point in Franklin.

Library friends to meet Tuesday

Friends of the Library will meet at 4 p.m. Tuesday in the community room at Pendleton County Library, Franklin.

Meeting scheduled to discuss ways to prevent ACEs

Childhood experiences, both positive and negative, have a tremendous impact on future violence victimization and perpetration and lifelong health and opportunity. As such, early experiences are an important public health issue. Much of the foundational research in this area has been referred to as Adverse Childhood Experiences. ACEs can be prevented.

Jennifer Taylor-Ide will present information about preventing ACEs at a Pendleton County Family Resource Council public meeting. The meeting will be held at noon Friday at the Community Action Office on Painters Point in Franklin. Lunch will be provided.

For more information, please contact Edna Mullenax at 304-358-7589.

Free activities available to local senior citizens

Pendleton Senior and Family Services offers free monthly services to the county's senior citizens. Seniors are advised to clip and save the following list of programs.

- Tai Chi class, 11 a.m. Monday, Wednesday and Friday, Franklin;
- VA rep Carol Hefner, 10 a.m. - noon second Wednesday of each month, Franklin;
- Blood pressure check, 11 a.m. every second Thursday, Franklin, and every fourth Thursday, North Fork;
- Bingo, 10:30 a.m. every Friday, Franklin and North Fork;
- Computer classes (by appointment only) 9 - 11 a.m. Tuesday, North Fork, and Thursday, Franklin;
- Hearing tests (by appointment only) first and third Fridays, Franklin; and
- Monthly craft classes, contact the centers for dates.

For questions or more information, please call the senior center at 304-358-2421.



NA group continues to meet



President Donald Trump declared the opioid epidemic a national public health emergency during a speech Oct. 26.

By Shawn Stinson

FRANKLIN – President Donald Trump declared the opioid epidemic a public health emergency Oct. 26 during an event in the East Room of the White House.

“This epidemic is a national health emergency,” Trump said. “Nobody has seen anything like what is going on now. As Americans, we cannot allow this to continue. It is time to liberate our communities from this scourge of drug addiction.”

The president said 64,000 Americans died from overdoses last year – 175 a day, seven every hour.

“We can be the generation that ends the opioid epidemic,” he said. “We can do it.”

West Virginia Sen. Joe Manchin was one of the legislators in attendance during the president's announcement.

“I applaud President Trump for finally taking these steps that will help in our fight against the opioid epidemic,” Manchin said in a release. “This public health crisis declaration will give states like West Virginia the flexibility to enlist help from federal agencies and resources to combat this epidemic. At the declaration announcement,

I was pleased to hear that Zohydro, a drug that I have been trying to get off the shelves since 2013, is being pulled from the market. Because of this painkiller's high potential for misuse and abuse, Zohydro poses a severely dangerous threat to our communities in West Virginia and across our country and I'm glad this horrible decision by the FDA will finally be made right. I have long pushed for many of the actions that the President is taking, including expanding access to treatment options and educating our children on the risks associated with drugs, especially opioids, in order to make long-term improvements.”

Manchin also applauded the president for taking additional steps to combat the opioid problem.

“West Virginia faces unique challenges in the crisis, especially the rural areas in our state,” Manchin said. “The expansion of telemedicine to these areas is a game changer and will allow people struggling with substance use disorder the ability to receive opioid treatment prescriptions without seeing a doctor, which is a huge

(Continued on Page 7, Column 3)

Students hear about watershed, pollution

By Shawn Stinson

FRANKLIN – Pam Waybright's gifted student classes at Brandywine, Franklin and North Fork elementary schools had a visitor last week.

Connor Roessler, from the Cacapon Institute, addressed the students Oct. 26 about the Chesapeake Bay watershed and how the Potomac River plays a role in it. The following day the students took a field trip to the Experience Learning's Spruce Knob Mountain Center.

The Cacapon Institute's mission statement is “From the Cacapon to the Potomac to the Chesapeake Bay, we protect rivers and watersheds using science and education.”

Roessler worked with the students to discuss some of the pollutants that may get into a watershed. He also informed the students that there is nearly 64,000 square miles of the Chesapeake Bay watershed. There are six states – Delaware, Maryland, New York, Pennsylvania, Virginia and West Virginia as well as Washington, D.C. – that are part of the Chesapeake Bay watershed.

Roessler added that “all the water that leads into it and anything it carries with

it” will affect the watershed.

The students and Roessler discussed storm water runoff and items it might include with it. Among the items students said would be in the runoff were limbs, soil and trash.

Roessler told the students about two categories of water pollution – point source and nonpoint source.

He defined point source pollution as something that people know where it comes from and how much there is. Roessler used a factory as an example of a point source because officials know the pollutants that are discharged through a pipe or smokestack.

“It's like having a light switch and we can turn it on and off,” he said. “We know much is coming out of there.”

Nonpoint source pollution, on the other hand, comes from several sources and officials aren't able to track a pollutant to just one. Roessler told the students that exhaust from cars is a “type of air pollution just like a factory,” but is a nonpoint source because no one can determine the source of the pollution.

Reach Editor Shawn Stinson at 304-358-2304, editor@pendletontimes.com or follow him on Twitter @pendletontimes.



Connor Roessler displays a map of the Chesapeake Bay Watershed to students at Franklin Elementary School.

Volunteers take veterans hunting

By Shawn Stinson

BRANDYWINE – At first glance it looks like a group of guys getting together for a hunt, but a closer look reveals so much more.

The group features veterans as well as volunteers from the Potomac Highlands Wounded Warrior Outreach. They gathered at the South Fork Ruritan Club building Oct. 19 for a meet and greet before heading out for a crossbow deer hunt over the weekend.

Larry Flinn, the group's president, said this hunt, the capstone event for the year, is limited to as many as six wounded warriors because of the amount of supervision needed.

“There's stands built for them, we escort them out to the stands and actually sit with them in the stands,” Flinn said. “We have guides with them to look after their needs, concerns and desires.”

Flinn added there is usually one volunteer assigned to a participant, but increases depending on the ability of the wounded warrior.

During the weekend, the wounded warriors were also invited by Kevin Bartley with Sugar Grove Trophy Trout Farm to fish at the facility. Bartley also invites the group to fish during other activities throughout the year including last month's bear hunt.

“They will fish in the pond or

the stream or we have a little spring creek and they will fish in that,” Bartley said. “They can fish in the river if they like. We just let them fish wherever they like.”

“I think they caught 80 or 90 trout out of the pond during the bear hunt that I know of. I think six or seven fished and one guy caught 20 or so by himself.”

The deer hunt or fly fishing at different spots in the state aren't the only activities planned by PHWWO throughout the year. Flinn said this is one of the easiest events to plan because of the limited number of wounded warriors.

“This one is the easy one because we limit the number of people,” Flinn said. “We start out with the turkey hunt in the spring and we go to four fly fishing events in other parts of the state and we come back here for the bear hunt. And we finish up with this.”

Both Bartley and Flinn credit Bill Armstrong for getting them involved in the PHWWO and continuing his legacy. Flinn said his involvement started in 2010 when the group was created by Armstrong, Carole Hartman, who serves as the secretary and treasurer, and others. Bartley came on board a year later and started taking wounded warriors deer, gobbler hunting and fishing on Roberta Pond.

Flinn estimates that nearly 500 wounded warriors have benefit-

ted from the activities organized by the PHWWO.

Flinn was brought to tears when he talked about the program and how it can mean so much more to the wounded warriors than just going hunting or fishing. He recalled several years when one veteran nearly didn't participate, but he did and it changed this life.

“I have seen guys ready to put the pistol in their mouth and by the end of the weekend, they're enjoying it,” Flinn said. “I had a guy out in Elk Springs three years ago. He almost didn't come ... he was just cussing the hell out of the world. If you know that picture about the 1st Calvary Division in Vietnam “We Were Soldiers.” He was one of the guys in the battalion that lost 50 percent. Some of the guys we bring back three or four times because we see what it's doing and they'll finally say thank you.”

Flinn also wanted to thank his volunteers and the residents of Pendleton County for their assistance in making the wounded warriors feel welcomed. Flinn said the guides and their dogs did all they could during the recent bear hunt to make sure it is successful.

“They are bound and determined that everybody will leave with a bear,” Flinn said. “We had 11 hunters and 10 bears. Out of all the counties in the state this place really opens up its heart and wallet to wounded warriors.”

Officials asking for public input

By Shawn Stinson

FRANKLIN – Region 8 officials are seeking input from residents in the form of an online survey.

The survey, produced by JH Consulting, based in Buckhannon, is asking for public involvement in the Region 8 Hazard Mitigation Plan. The plan can be found at <https://www.surveymonkey.com/r/Region8HMP>.

Region 8 includes Grant, Hampshire, Hardy, Mineral and Pendleton counties.

Survey participants are asked questions concerning natural and man-made hazards such as flooding, severe weather and terrorist (foreign and domestic). The survey also includes questions about how well a community responds to a hazard.

Other questions center on information regarding the participant's residence. It asks if the participant carries flood, sewer backup, flood plain, homeowner's or renter's insurance on their dwelling. In addition, the survey asks if there have been repairs or upgrades to a residence to reduce mitigation.

Amy Heimberger, an emergency preparedness planner with JH Consulting, said a new hazard mitigation plan must be developed every five years and submitted to Federal Emergency Management Agency for approval.

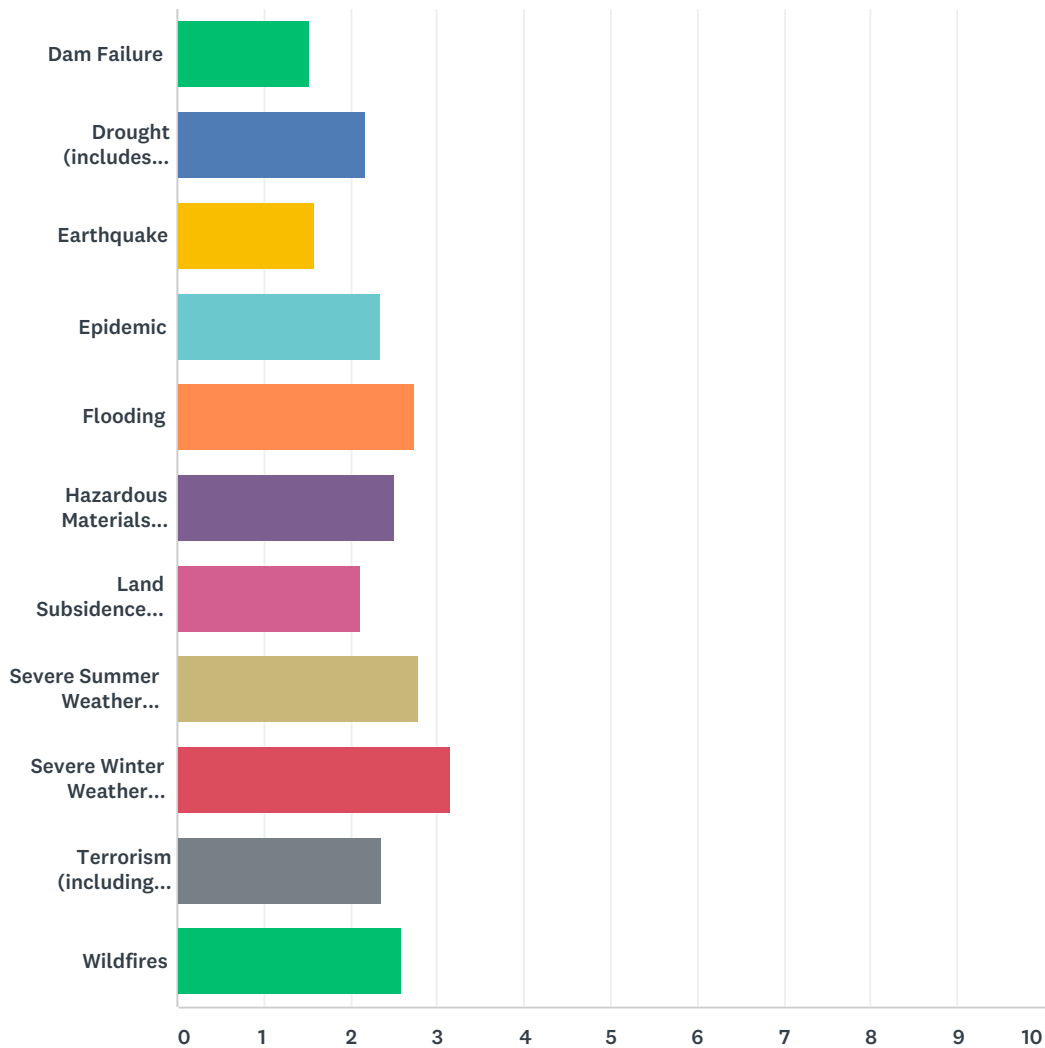
“The survey has been open for a couple of months,” Heimberger said. “It will probably still be open for a couple more months.”

The information garnered from the survey assists in identifying risks and vulnerabilities associated with natural and man-made disasters. In addition, officials will be able to use the information to develop long-term strategies for protecting people and property from future events.

Reach Editor Shawn Stinson at 304-358-2304, editor@pendletontimes.com or follow him on Twitter @pendletontimes.

Q1 Please indicate how concerned you are about the following hazards, specifically where you live.

Answered: 58 Skipped: 0



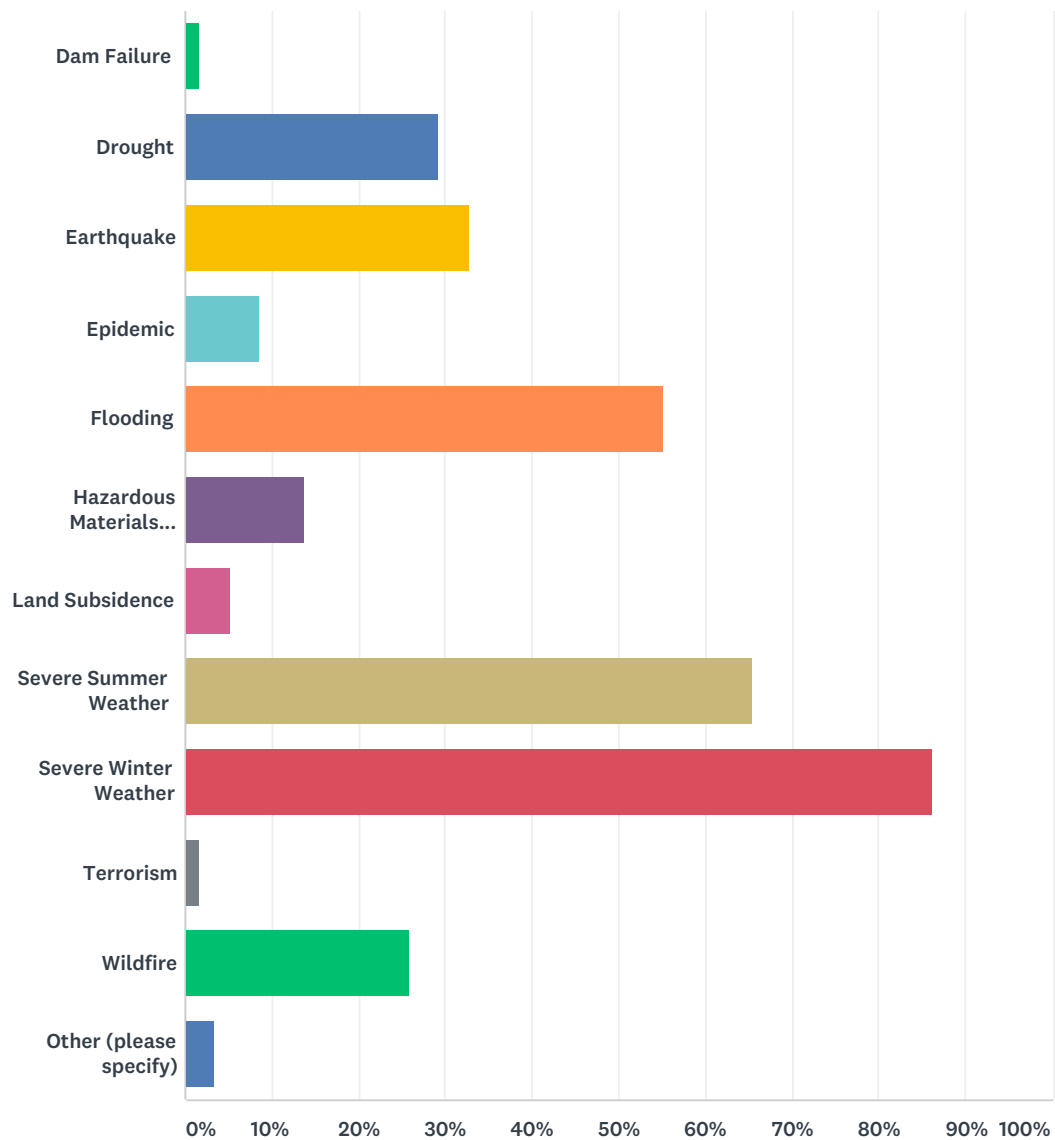
	NOT AT ALL CONCERNED	SOMEWHAT CONCERNED	CONCERNED	VERY CONCERNED	TOTAL	WEIGHTED AVERAGE
Dam Failure	62.50% 35	23.21% 13	14.29% 8	0.00% 0	56	1.52
Drought (includes convention drought and water interruptions due to chemical spills, etc.)	19.30% 11	47.37% 27	29.82% 17	3.51% 2	57	2.18
Earthquake	46.55% 27	48.28% 28	5.17% 3	0.00% 0	58	1.59
Epidemic	15.52% 9	44.83% 26	29.31% 17	10.34% 6	58	2.34
Flooding	5.17% 3	36.21% 21	37.93% 22	20.69% 12	58	2.74

Region 8 Planning & Development Council Hazard Mitigation Survey

Hazardous Materials Incidents	14.04% 8	31.58% 18	43.86% 25	10.53% 6	57	2.51
Land Subsidence (includes landslides, rock slides, mud flows, sink holes, etc.)	20.69% 12	50.00% 29	25.86% 15	3.45% 2	58	2.12
Severe Summer Weather (includes tornadoes, lightning, hurricanes, thunderstorms, hail, etc.)	5.17% 3	31.03% 18	44.83% 26	18.97% 11	58	2.78
Severe Winter Weather (includes ice storms, blizzards, heavy snow, etc.)	1.72% 1	13.79% 8	51.72% 30	32.76% 19	58	3.16
Terrorism (including foreign and domestic)	17.24% 10	39.66% 23	32.76% 19	10.34% 6	58	2.36
Wildfires	8.62% 5	37.93% 22	37.93% 22	15.52% 9	58	2.60

Q2 In the past 10 years, which hazards do you recall having occurred in your community? (Check all that apply)

Answered: 58 Skipped: 0



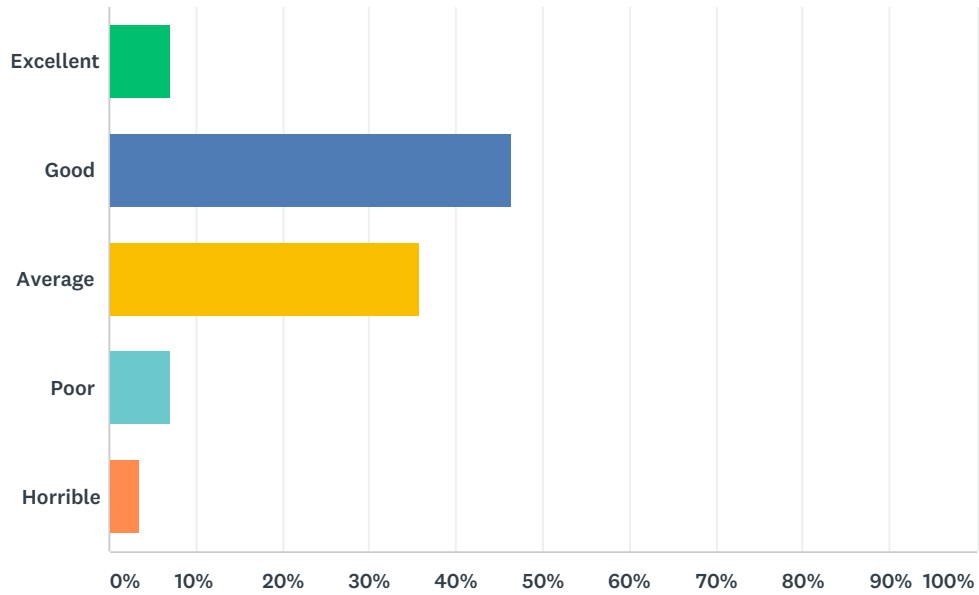
ANSWER CHOICES	RESPONSES	
Dam Failure	1.72%	1
Drought	29.31%	17
Earthquake	32.76%	19
Epidemic	8.62%	5
Flooding	55.17%	32
Hazardous Materials Incident (transportation or facility)	13.79%	8
Land Subsidence	5.17%	3

Region 8 Planning & Development Council Hazard Mitigation Survey

Severe Summer Weather	65.52%	38
Severe Winter Weather	86.21%	50
Terrorism	1.72%	1
Wildfire	25.86%	15
Other (please specify)	3.45%	2
Total Respondents: 58		

Q3 Think back to a recent hazard occurrence (any from questions 1 or 2.)
How would you rate your community's ability to handle the hazard event?

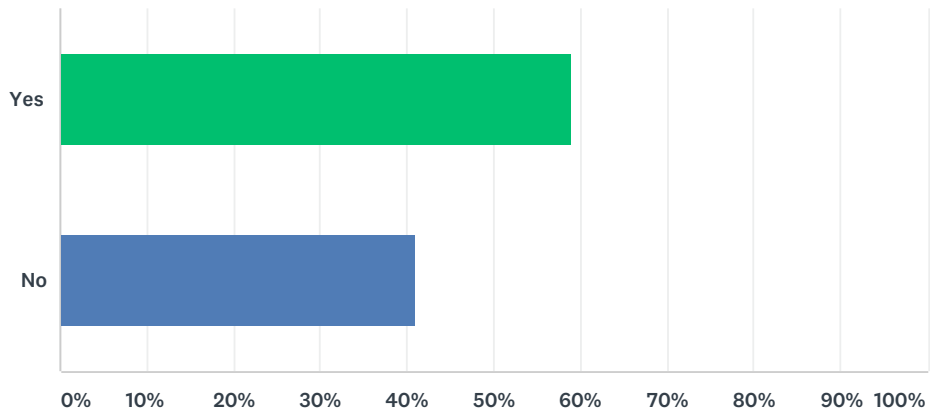
Answered: 56 Skipped: 2



ANSWER CHOICES	RESPONSES	
Excellent	7.14%	4
Good	46.43%	26
Average	35.71%	20
Poor	7.14%	4
Horrible	3.57%	2
TOTAL		56

Q4 During this event did you receive information or warnings from local media (TV, Radio, Text) or social media (Facebook/Twitter) that was either from or forwarded from your local public officials / emergency management officials?

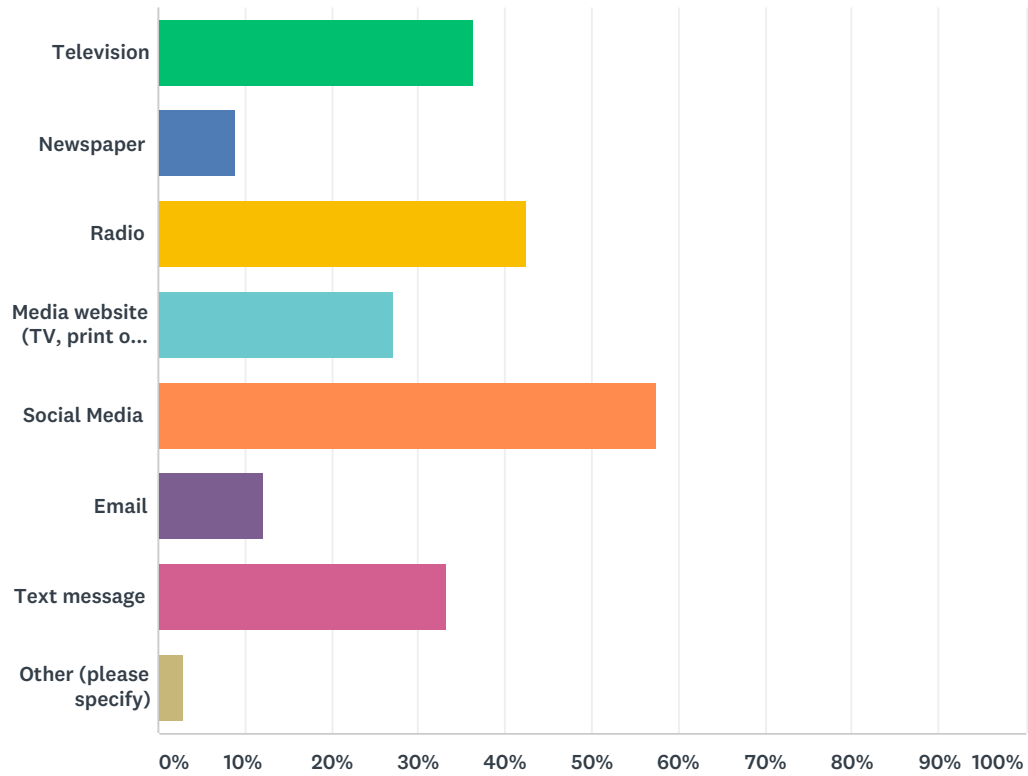
Answered: 56 Skipped: 2



ANSWER CHOICES	RESPONSES	
Yes	58.93%	33
No	41.07%	23
TOTAL		56

Q5 How did you receive this information?

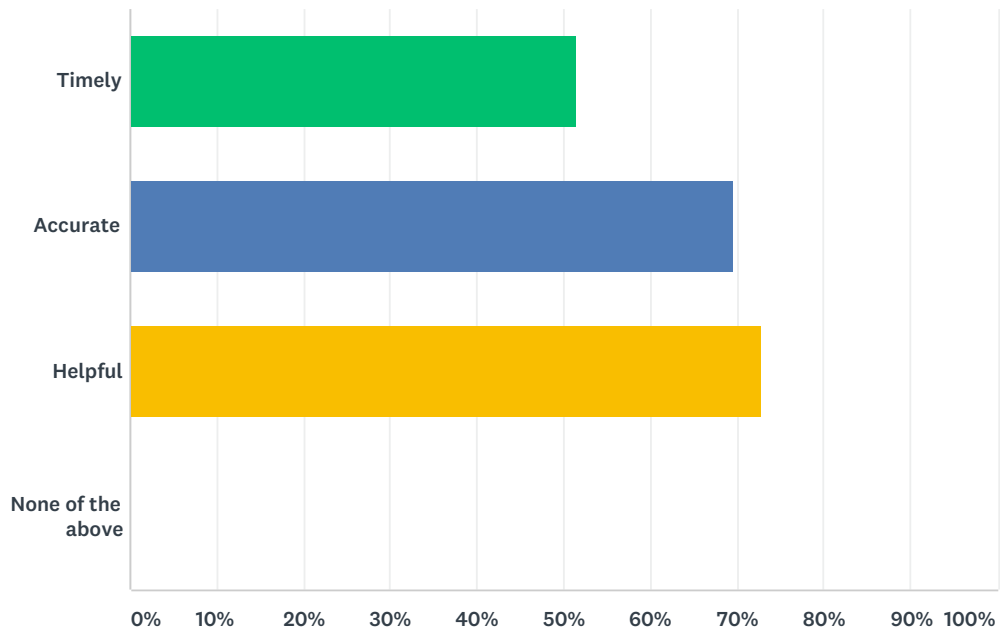
Answered: 33 Skipped: 25



ANSWER CHOICES	RESPONSES
Television	36.36% 12
Newspaper	9.09% 3
Radio	42.42% 14
Media website (TV, print or radio)	27.27% 9
Social Media	57.58% 19
Email	12.12% 4
Text message	33.33% 11
Other (please specify)	3.03% 1
Total Respondents: 33	

Q6 Was this information timely, accurate and helpful? (choose as many as apply)

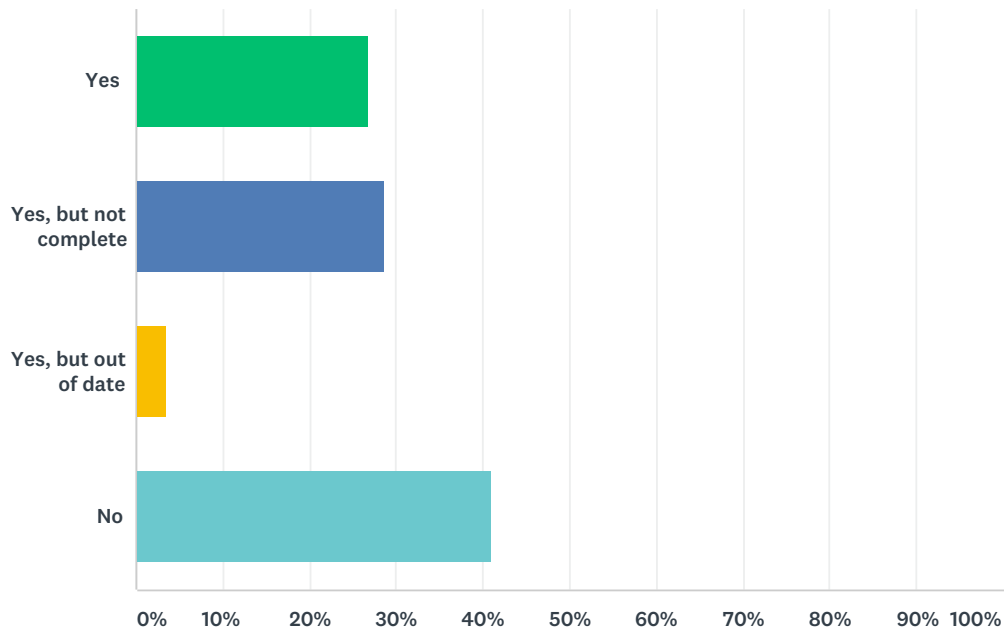
Answered: 33 Skipped: 25



ANSWER CHOICES	RESPONSES	
Timely	51.52%	17
Accurate	69.70%	23
Helpful	72.73%	24
None of the above	0.00%	0
Total Respondents: 33		

Q7 Do you / does your household have a 72-hour kit? (<http://www.ready.gov/build-a-kit>)

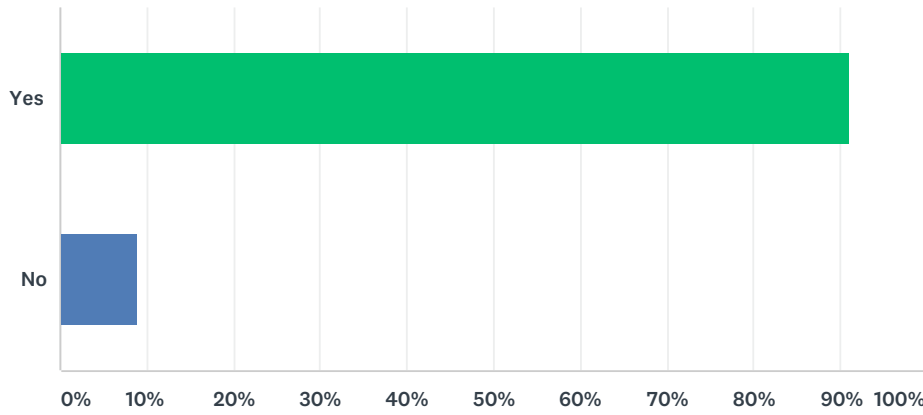
Answered: 56 Skipped: 2



ANSWER CHOICES	RESPONSES	
Yes	26.79%	15
Yes, but not complete	28.57%	16
Yes, but out of date	3.57%	2
No	41.07%	23
TOTAL		56

Q8 Do you have homeowners/renters insurance?

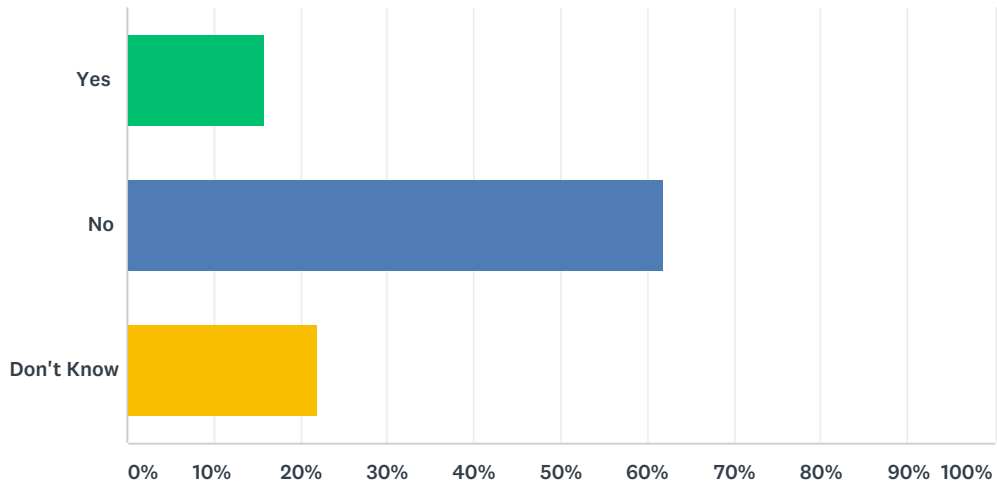
Answered: 56 Skipped: 2



ANSWER CHOICES	RESPONSES	
Yes	91.07%	51
No	8.93%	5
TOTAL		56

Q9 Does your homeowner/renters insurance include flood insurance?

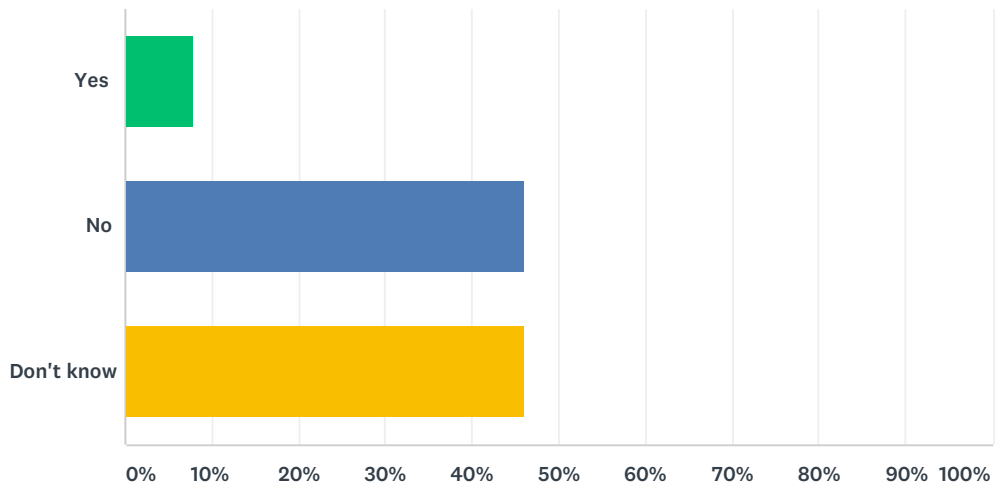
Answered: 50 Skipped: 8



ANSWER CHOICES	RESPONSES	
Yes	16.00%	8
No	62.00%	31
Don't Know	22.00%	11
TOTAL		50

Q10 Does your policy include sewer back up insurance (or have a sewer back up policy rider)?

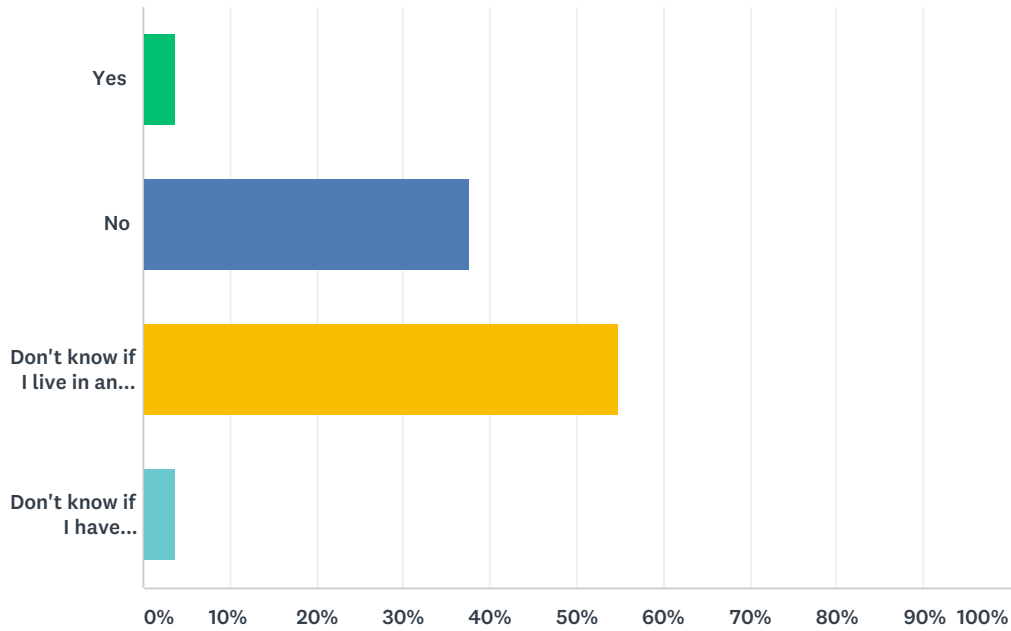
Answered: 50 Skipped: 8



ANSWER CHOICES	RESPONSES
Yes	8.00% 4
No	46.00% 23
Don't know	46.00% 23
TOTAL	50

Q11 If you live in a Special Flood Hazard Area (SFHA), do you have floodplain insurance?

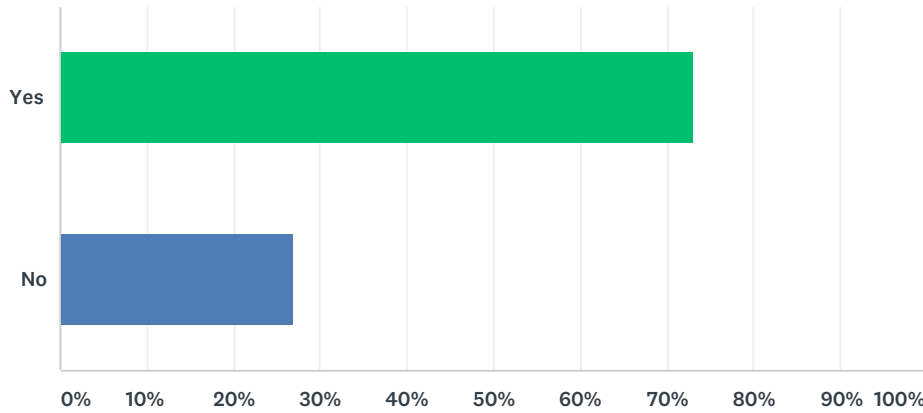
Answered: 53 Skipped: 5



ANSWER CHOICES	RESPONSES	
Yes	3.77%	2
No	37.74%	20
Don't know if I live in an SFHA	54.72%	29
Don't know if I have floodplain insurance	3.77%	2
TOTAL		53

Q12 Are you willing to spend your money on mitigation activities for your home?

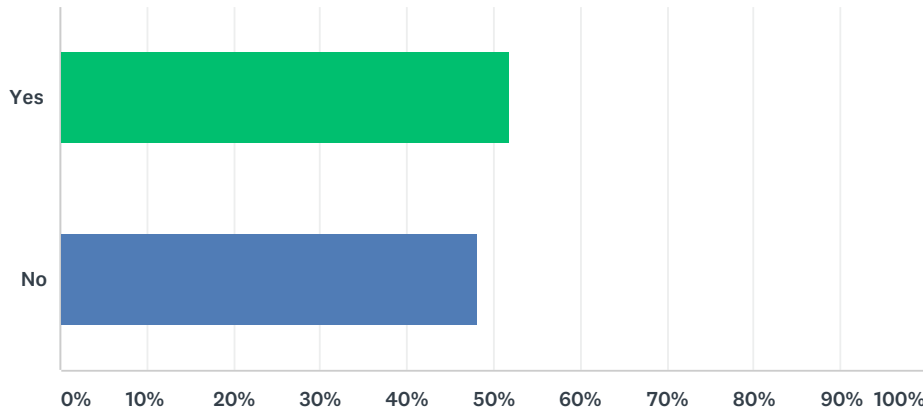
Answered: 52 Skipped: 6



ANSWER CHOICES	RESPONSES	
Yes	73.08%	38
No	26.92%	14
TOTAL		52

Q13 Have you performed any improvements to your home to reduce your risk from a hazard?

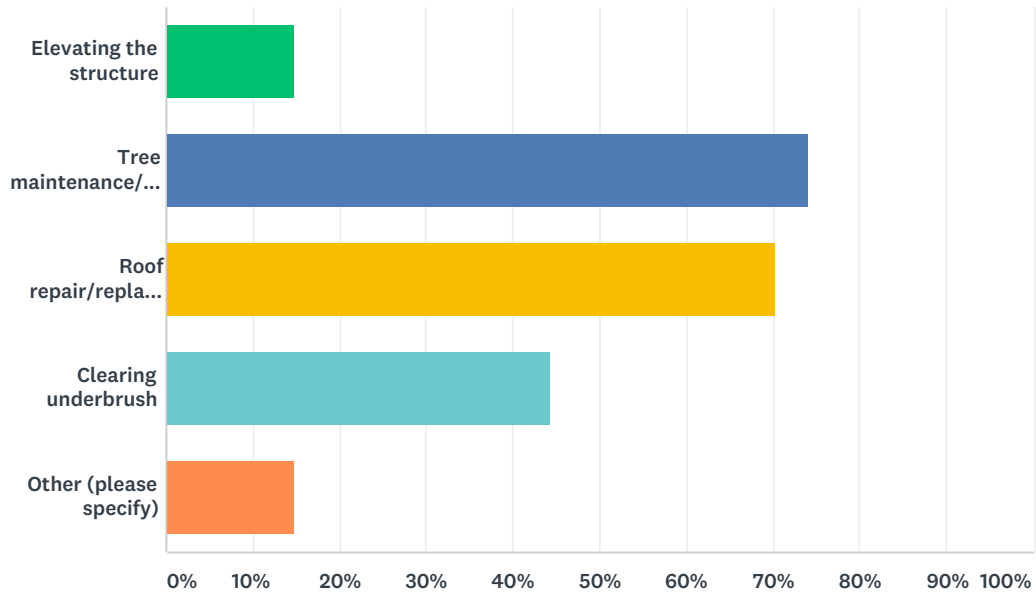
Answered: 52 Skipped: 6



ANSWER CHOICES	RESPONSES	
Yes	51.92%	27
No	48.08%	25
TOTAL		52

Q14 Please indicate what improvements you have made:

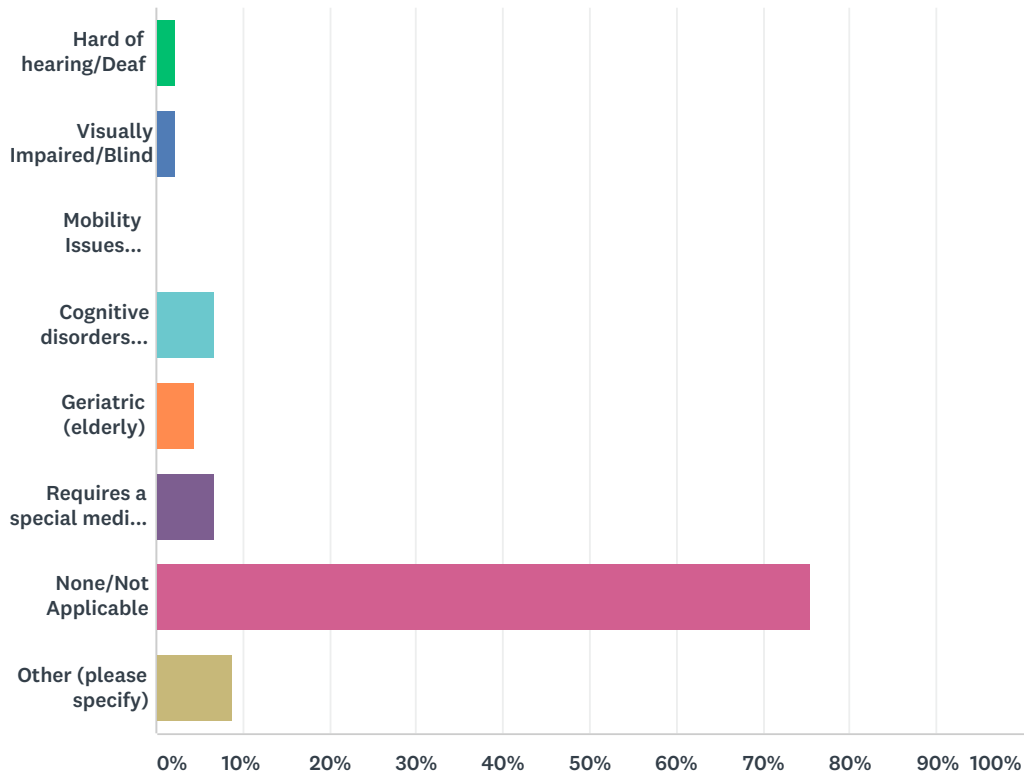
Answered: 27 Skipped: 31



ANSWER CHOICES	RESPONSES
Elevating the structure	14.81% 4
Tree maintenance/removal	74.07% 20
Roof repair/replacement	70.37% 19
Clearing underbrush	44.44% 12
Other (please specify)	14.81% 4
Total Respondents: 27	

Q15 Do you, or someone who resides in your residence, have a special need that emergency service providers should be aware of in an emergency? (Please pick all the apply)

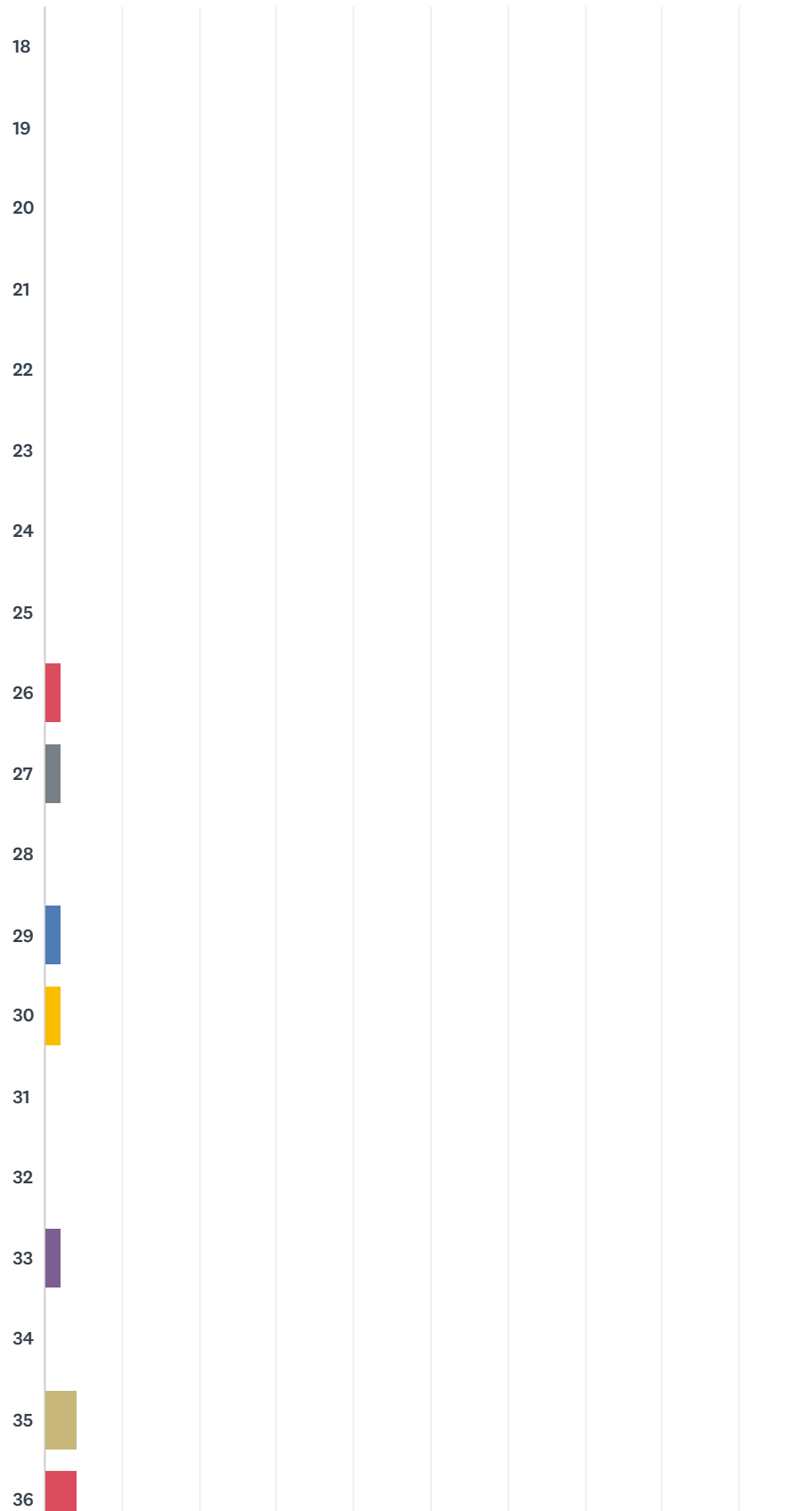
Answered: 45 Skipped: 13



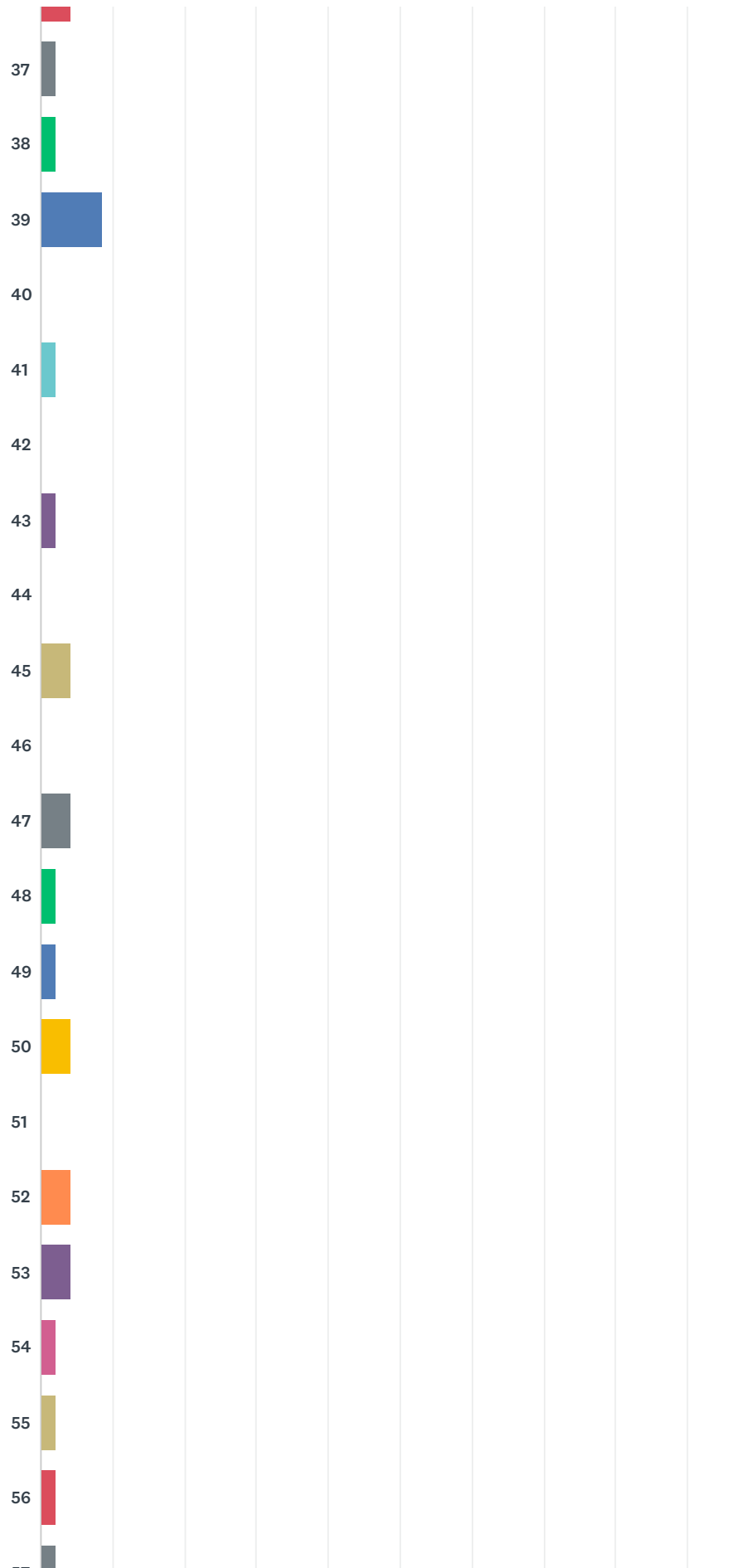
ANSWER CHOICES	RESPONSES
Hard of hearing/Deaf	2.22% 1
Visually Impaired/Blind	2.22% 1
Mobility Issues (non-ambulatory, confined to a wheelchair, requires the use of a cane or walker)	0.00% 0
Cognitive disorders (includes autism, depression, etc.)	6.67% 3
Geriatric (elderly)	4.44% 2
Requires a special medical device (such as a Ventilator, CPAP machine, or drugs that require refrigeration [I.E. insulin])	6.67% 3
None/Not Applicable	75.56% 34
Other (please specify)	8.89% 4
Total Respondents: 45	

Q16 Please provide your age

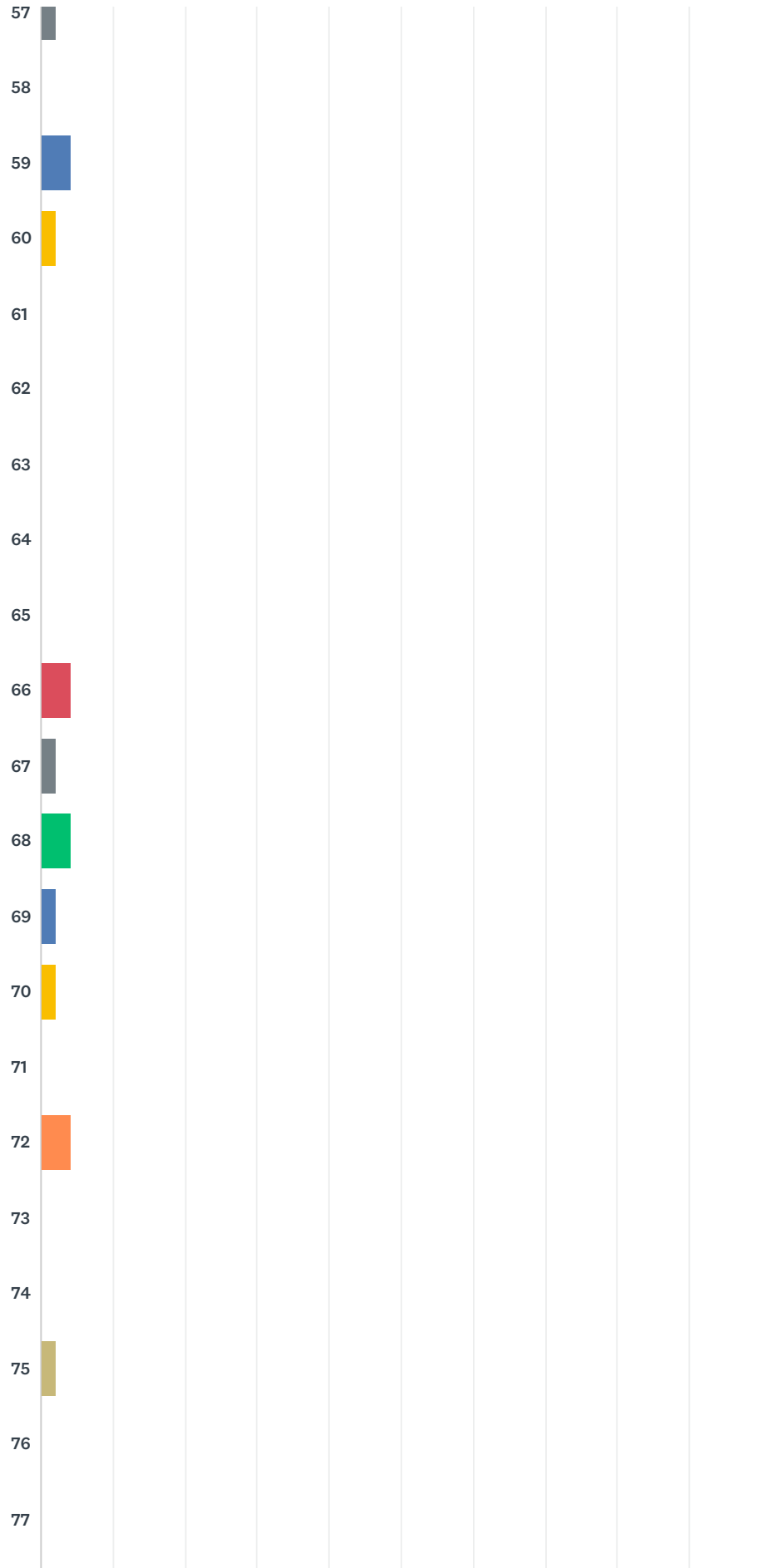
Answered: 47 Skipped: 11



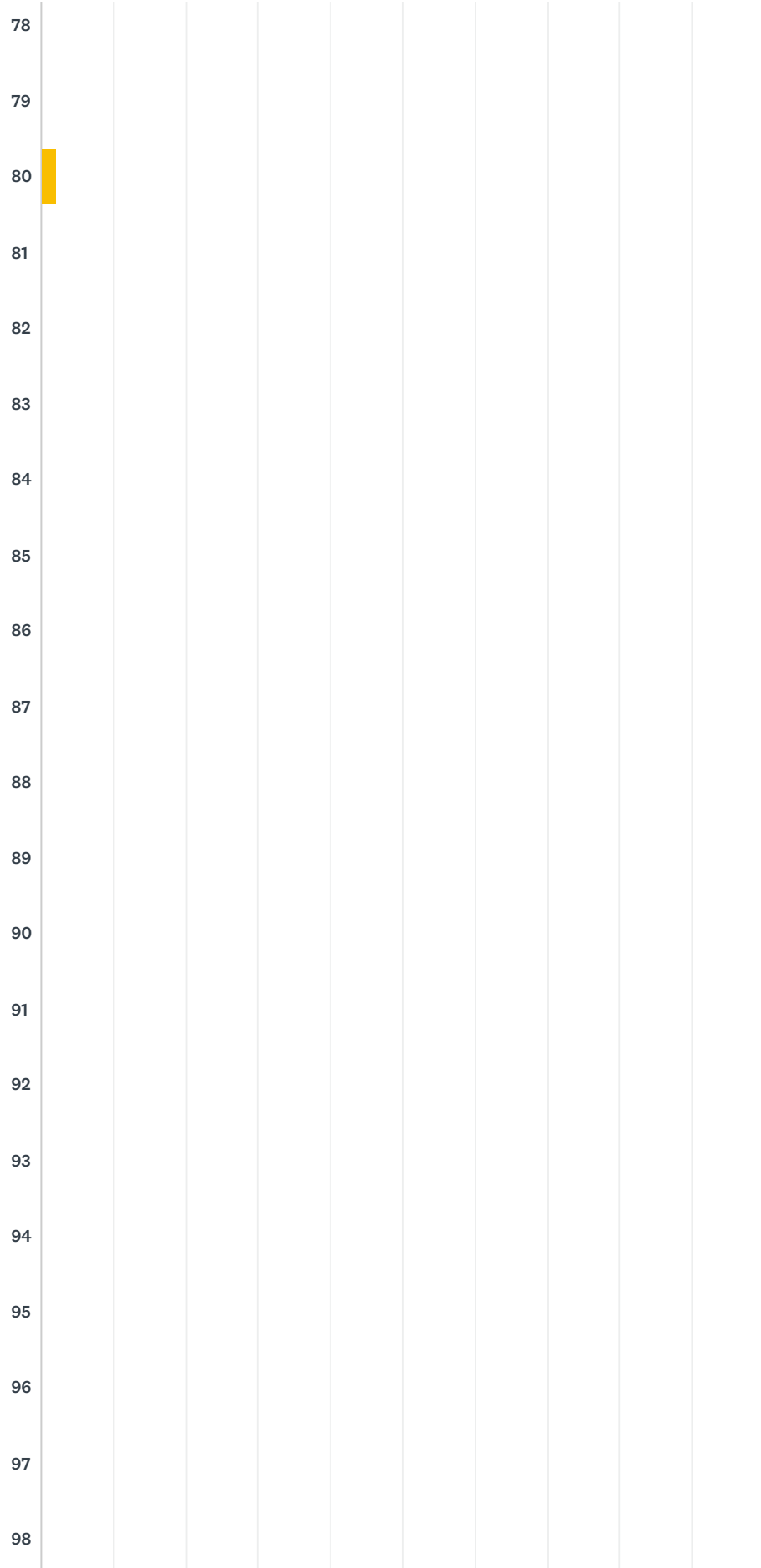
Region 8 Planning & Development Council Hazard Mitigation Survey



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ANSWER CHOICES	RESPONSES	
18	0.00%	0
19	0.00%	0
20	0.00%	0
21	0.00%	0
22	0.00%	0
23	0.00%	0
24	0.00%	0
25	0.00%	0
26	2.13%	1
27	2.13%	1
28	0.00%	0

Region 8 Planning & Development Council Hazard Mitigation Survey

29	2.13%	1
30	2.13%	1
31	0.00%	0
32	0.00%	0
33	2.13%	1
34	0.00%	0
35	4.26%	2
36	4.26%	2
37	2.13%	1
38	2.13%	1
39	8.51%	4
40	0.00%	0
41	2.13%	1
42	0.00%	0
43	2.13%	1
44	0.00%	0
45	4.26%	2
46	0.00%	0
47	4.26%	2
48	2.13%	1
49	2.13%	1
50	4.26%	2
51	0.00%	0
52	4.26%	2
53	4.26%	2
54	2.13%	1
55	2.13%	1
56	2.13%	1
57	2.13%	1
58	0.00%	0
59	4.26%	2
60	2.13%	1
61	0.00%	0
62	0.00%	0
63	0.00%	0

Region 8 Planning & Development Council Hazard Mitigation Survey

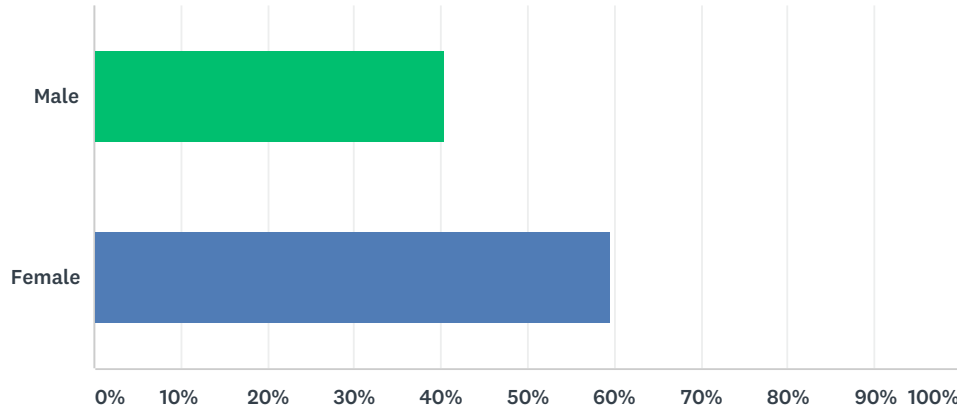
64	0.00%	0
65	0.00%	0
66	4.26%	2
67	2.13%	1
68	4.26%	2
69	2.13%	1
70	2.13%	1
71	0.00%	0
72	4.26%	2
73	0.00%	0
74	0.00%	0
75	2.13%	1
76	0.00%	0
77	0.00%	0
78	0.00%	0
79	0.00%	0
80	2.13%	1
81	0.00%	0
82	0.00%	0
83	0.00%	0
84	0.00%	0
85	0.00%	0
86	0.00%	0
87	0.00%	0
88	0.00%	0
89	0.00%	0
90	0.00%	0
91	0.00%	0
92	0.00%	0
93	0.00%	0
94	0.00%	0
95	0.00%	0
96	0.00%	0
97	0.00%	0
98	0.00%	0

Region 8 Planning & Development Council Hazard Mitigation Survey

99	0.00%	0
100	0.00%	0
101	0.00%	0
102	0.00%	0
103	0.00%	0
104	0.00%	0
105	0.00%	0
106	0.00%	0
107	0.00%	0
108	0.00%	0
109	0.00%	0
110	0.00%	0
TOTAL		47

Q17 Gender

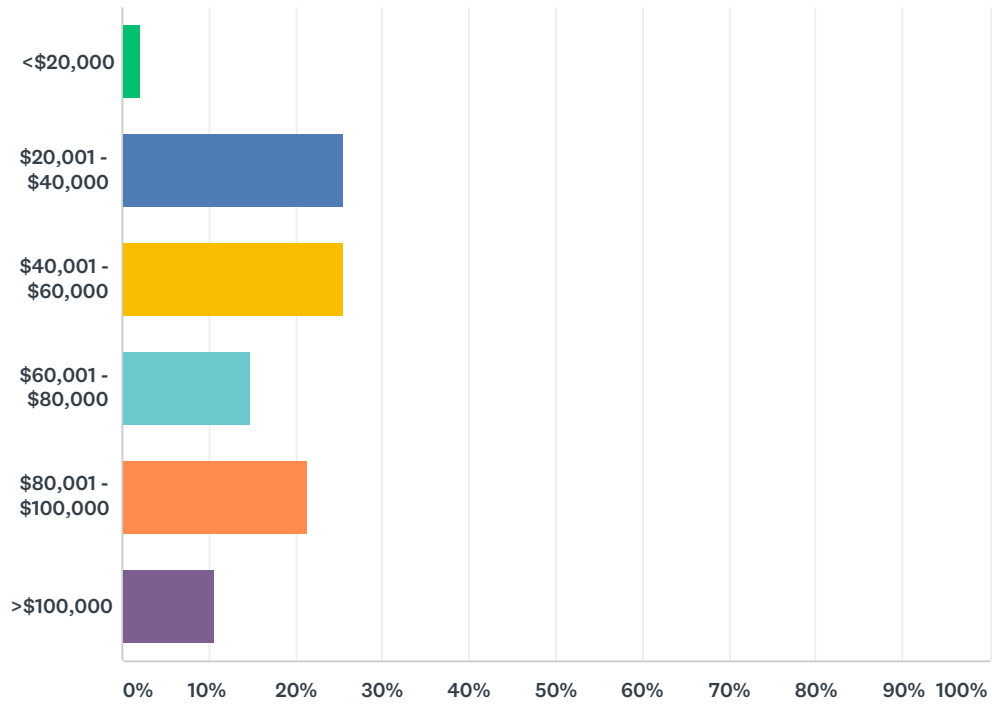
Answered: 47 Skipped: 11



ANSWER CHOICES	RESPONSES	
Male	40.43%	19
Female	59.57%	28
TOTAL		47

Q18 Please indicate your household income:

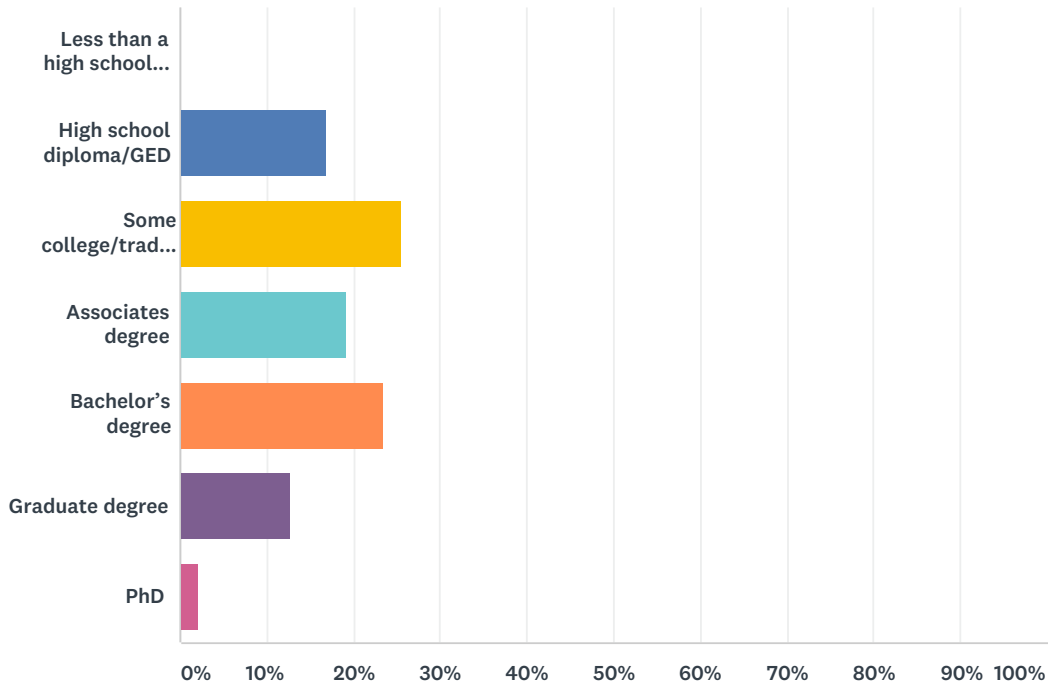
Answered: 47 Skipped: 11



ANSWER CHOICES	RESPONSES	
<\$20,000	2.13%	1
\$20,001 - \$40,000	25.53%	12
\$40,001 - \$60,000	25.53%	12
\$60,001 - \$80,000	14.89%	7
\$80,001 - \$100,000	21.28%	10
>\$100,000	10.64%	5
TOTAL		47

Q19 Please indicate your level of education

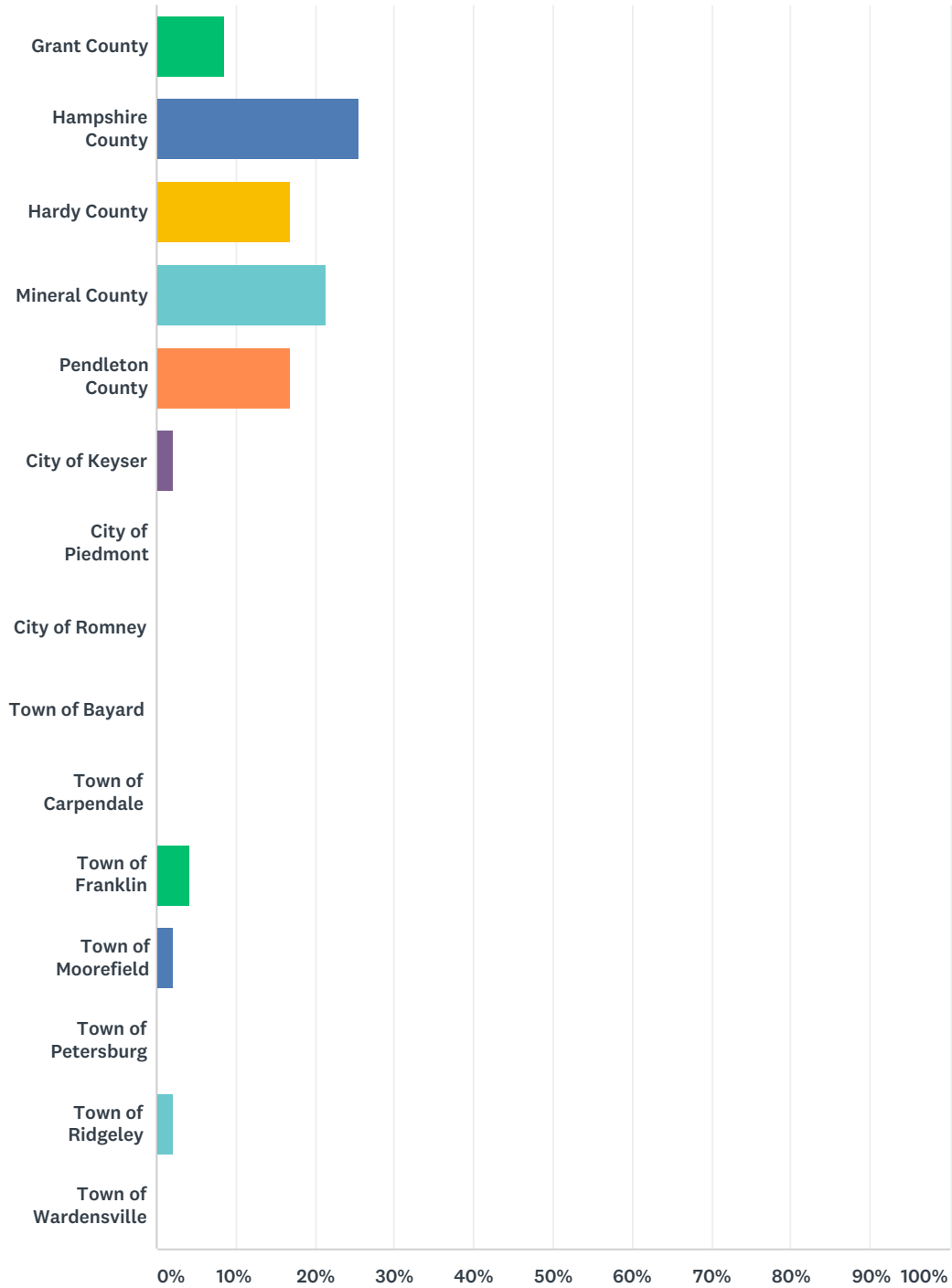
Answered: 47 Skipped: 11



ANSWER CHOICES	RESPONSES	
Less than a high school diploma	0.00%	0
High school diploma/GED	17.02%	8
Some college/trade school	25.53%	12
Associates degree	19.15%	9
Bachelor's degree	23.40%	11
Graduate degree	12.77%	6
PhD	2.13%	1
TOTAL		47

Q20 Where do you live?

Answered: 47 Skipped: 11



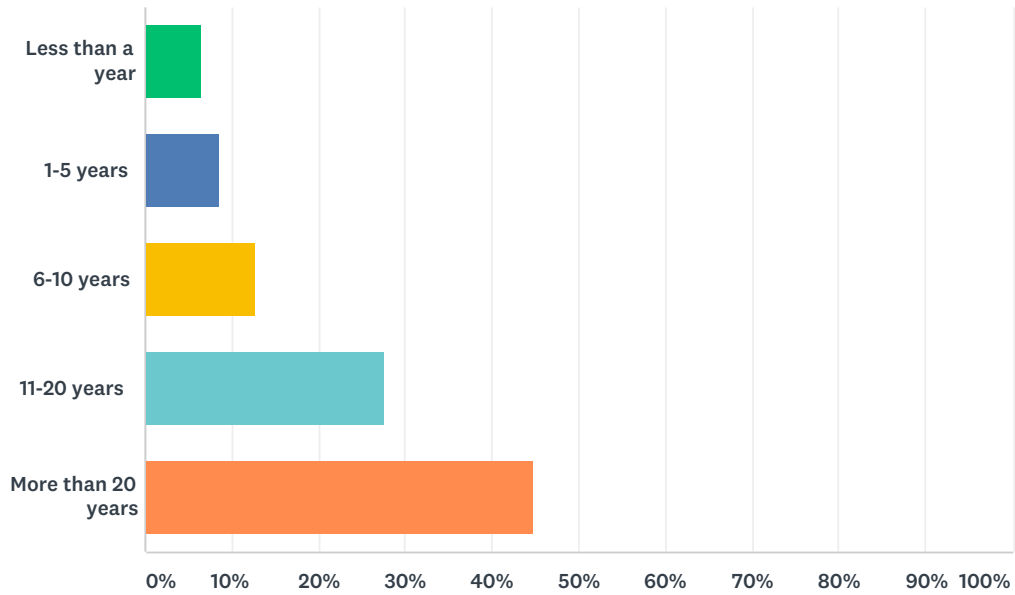
ANSWER CHOICES	RESPONSES	
Grant County	8.51%	4
Hampshire County	25.53%	12
Hardy County	17.02%	8

Region 8 Planning & Development Council Hazard Mitigation Survey

Mineral County	21.28%	10
Pendleton County	17.02%	8
City of Keyser	2.13%	1
City of Piedmont	0.00%	0
City of Romney	0.00%	0
Town of Bayard	0.00%	0
Town of Carpendale	0.00%	0
Town of Franklin	4.26%	2
Town of Moorefield	2.13%	1
Town of Petersburg	0.00%	0
Town of Ridgeley	2.13%	1
Town of Wardensville	0.00%	0
TOTAL		47

Q21 How long have you resided in your community?

Answered: 47 Skipped: 11



ANSWER CHOICES	RESPONSES	
Less than a year	6.38%	3
1-5 years	8.51%	4
6-10 years	12.77%	6
11-20 years	27.66%	13
More than 20 years	44.68%	21
TOTAL		47

Q22 If you would like to take part in additional surveys regarding potential hazard mitigation projects please provide a valid email address.

Answered: 12 Skipped: 46

Q23 Please share any other comments you have

Answered: 6 Skipped: 52

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Pilgrims Pride
Peyton Umstot, Manager
129 Potomac Avenue
Moorefield, WV 26836

Dear Mr. Umstot:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Thank you for your participation in this important project. We look forward to your comments and, as always, feel free to contact me with any questions.

Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Allegheny Dimensions
Paul Gilbert, Manager
390 Moorefield Industrial Park Road
Moorefield, WV 26836

Dear Mr. Gilbert:

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Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

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January 5, 2018

Grant Memorial Hospital
Ronnie Arbaugh, Human Resource Manager
P.O. Box 1019
Petersburg, WV 26847

Dear Mr. Arbaugh:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Grant County Industrial Park
131 Providence Lane
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E-Mail: www.regioneight.org

January 5, 2018

American Woodmark
Faron Shanholtz, Human Resource Manager
587 Robert C. Byrd Industrial Park Road
Moorefield, WV 26836

Dear Mr. Shanholtz:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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131 Providence Lane
Petersburg, WV 26847

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E-Mail: www.regioneight.org

January 5, 2018

Eastern Community and Technical College
Charles Terrell, President
316 Eastern Drive
Moorefield, WV 26836

Dear President Terrell:

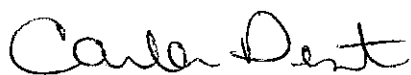
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Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

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E-Mail: www.regioneight.org

January 5, 2018

Grant County Board of Education
Doug Lambert, Superintendent
204 Jefferson Avenue
Petersburg, WV 26847

Dear Mr. Lambert:

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Grant County Industrial Park
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Petersburg, WV 26847

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January 5, 2018

Region 9 Planning and Development Council
Bill Clark, Executive Director
400 W. Stephen Street, Suite 301
Martinsburg, WV 25401

Dear Mr. Clark:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Sincerely,



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Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
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E-Mail: www.regioneight.org

January 5, 2018

Region 7 Planning and Development Council
Shane Whitehair, Executive Director
99 Edmiston Way, Suite 225
Buckhannon, West Virginia 26201

Dear Mr. Whitehair:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

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E-Mail: www.regioneight.org

January 5, 2018

Region 4 Planning and Development Council
John Tuggle, Executive Director
885 Broad Street, Suite 100
Summersville, West Virginia 26651

Dear Mr. Tuggle:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Potomac Valley Hospital
Attn: Manager
100 Pin Oak Lane
Keyser, WV 26726

Dear Manager:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Grant County Industrial Park
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Petersburg, WV 26847

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January 5, 2018

Mineral County Board of Education
Shawn Dilly, Superintendent
36 Baker Place
Keyser, WV 26726

Dear Mr. Dilly:

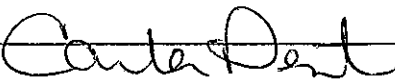
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January 5, 2018

Hardy County Board of Education
Sheena VanMeter, Superintendent
510 Ashby Street
Moorefield, WV 26836

Dear Mrs. VanMeter:

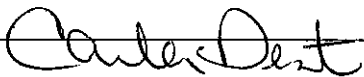
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Grant County Industrial Park
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January 5, 2018

Darin Judy
Judy's Drug Store
24 North Main Street
Petersburg, WV 26847

Dear Mr. Judy:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

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January 5, 2018

Kari Evans, Administrator
Grant County Rehabilitation Center
27 Early Avenue
Petersburg, WV 26847

Dear Mrs. Evans:

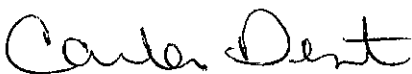
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In particular, we are interested in your thoughts as to any hazards that may be associated with your operation and impact our county. Conversely, we would like to know of any hazards that originate in Grant, Hampshire, Hardy, Mineral, or Pendleton Counties that you feel could impact your business. Also, please let us know what type of hazard you are most concerned about (dam failure, drought, earthquake, epidemic, flood, hazardous materials incident, land subsidence, severe summer or winter weather, terrorism, or wildfire).

If you have any questions or would like to comment on the plan, please submit all notes to me at cdent@regioneight.org or to our consultant, JH Consulting, at aheimberger@phcpreparedness.com. Please use the subject "Region 8 Hazard Mitigation Plan Comments."

Thank you for your participation in this important project. We look forward to your comments and, as always, feel free to contact me with any questions.

Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Pendleton County Board of Education
Charles Hedrick, Superintendent
108 Walnut Street
Franklin, WV 26807

Dear Mr. Hedrick:

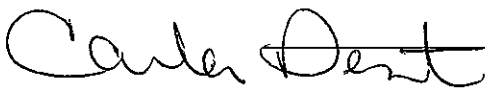
The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

In particular, we are interested in your thoughts as to any hazards that may be associated with your operation and impact our county. Conversely, we would like to know of any hazards that originate in Grant, Hampshire, Hardy, Mineral, or Pendleton Counties that you feel could impact your operation. Also, please let us know what type of hazard you are most concerned about (dam failure, drought, earthquake, epidemic, flood, hazardous materials incident, land subsidence, severe summer or winter weather, terrorism, or wildfire).

If you have any questions or would like to comment on the plan, please submit all notes to me at cdent@regioneight.org or to our consultant, JH Consulting, at aheimberger@phcpreparedness.com. Please use the subject "Region 8 Hazard Mitigation Plan Comments."

Thank you for your participation in this important project. We look forward to your comments and, as always, feel free to contact me with any questions.

Sincerely,



Carla Dent, Executive Assistant

Amy Heimberger

From: Carla Dent <cdent@regioneight.org>
Sent: Wednesday, January 17, 2018 4:45 PM
To: 'Amy Heimberger'
Cc: 'Terry Lively'
Subject: FW: Region 8 Hazard Mitigation Plan comments

Flag Status: Flagged

Hi Amy,
I just received this e-mail with HMP comments.
Have a good evening,
Carla

From: Earnest, Brenna [<mailto:brenna.earnest@wvumedicine.org>]
Sent: Wednesday, January 17, 2018 12:32 PM
To: cdent@regioneight.org
Subject: Region 8 Hazard Mitigation Plan comments

Carla,
I am the safety officer here at PVH so I was given your letter.
I am not aware of any hazards that would be associated with our operations.
Hazards that concern the hospital of course would be flood because of our location and severe winter weather. Terrorism such as active shooter is a concern also.
Thank you

Brenna E. Earnest MSN, RN, CDE
Diabetes Education/Diabetes Prevention
Safety Officer
Potomac Valley Hospital
(304) 597-3774 phone
(304) 597-3683 fax

brenna.earnest@wvumedicine.org



POTOMAC VALLEY HOSPITAL

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Amy Heimberger

From: Carla Dent <cdent@regioneight.org>
Sent: Monday, January 29, 2018 10:21 AM
To: 'Amy Heimberger'
Subject: FW: HVA

Flag Status: Flagged

Hi Amy,

I just received this e-mail. She will be sending me this information and I will forward it to you. I realize you have concluded the participation process, but I thought we may want to keep this information.

Thanks.

Carla

From: Kari Evans [<mailto:kevans@gcnh.us>]
Sent: Monday, January 29, 2018 9:55 AM
To: cdent@regioneight.org
Subject: HVA

Hi Carla,

I received your letter regarding our assessment of potential hazards for our organization. My staff completed a Hazard Vulnerability Assessment that I am happy to share with you. Let me know if you would be interested in that information and I will send it to you via email.

Thanks,

Kari

Kari Evans RN, MSN, LNHA
Grant Rehabilitation and Care Center
127 Early Avenue
Petersburg, WV 26847
304-257-4233
kevans@gcnh.us



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Region 4 Planning and Development Council

885 Broad Street, Suite 100
Summersville, WV 26651

Phone: 304-872-4970
Fax: 304-872-1012
www.reg4wv.org

Region 8 Planning and Development Council
Carla Dent, Executive Assistant
Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Re: Region 8 Hazard Mitigation Plan Comments

Dear Ms. Dent,

We recently received a letter from Region 8 Planning and Development Council requesting our thoughts regarding any hazards that may be associated with our operation and impact your county. Pocahontas County located within the Region 4 Planning and Development Council boundary sits abut to Pendleton County located within Region 8 Planning and Development Council. A large factor we take into consideration within Pocahontas County is the Monongahela National Forest, this National Forest also extends into parts of Pendleton County.

In the Region 4 Planning and Development Council Hazard Mitigation Plan we looked at a variety of potential hazards that could affect our Region, such as Dam Failure, Drought, Earthquake, Extreme Temperatures, Flooding, Hailstorm, Hazmat Incident, Mass Movement, Terrorism, Thunderstorm, Tornadoes, Wildfire, Wind and Winter Storm. Of the previously stated hazardous situations we feel it to be relevant between Pocahontas and Pendleton counties to consider additional planning in the event of Flooding, Mass Movement, Tornado and Wildfire. We are most concerned with flooding within the Monongahela National Forest, the June 2016 flood had a significant impact in the portion of the forest located in Webster County. Slightly prior to the June 2016 flood evidence of a tornado touching down within the forest has also been reported. While many of the hazardous situations explained are not on a reoccurring basis we fell it relevant to continue to plan for such events.

Thank you for reaching out to Region 4 Planning and Development Council regarding Hazard Mitigation, we feel this is a very important matter. Should there be any additional questions, comments or concerns please feel free to contact me at 304-872-4970.

Sincerely,

John Tuggle, P.E., P.S.
Executive Director

JWT/as

REGION 8 EMAIL/FAX/PHONE CALL LOG

<i>Stakaholder</i>	<i>Title</i>	<i>Name</i>	<i>Contact Method</i>	<i>To/From</i>	<i>Date</i>	<i>Subject</i>
Mineral County		Ben Smith	Email	To	8/16/2017	Capabilities survey link (undeliverable)
Hampshire County	HSEM Director	Brian Malcolm	Email	To	8/16/2017	Capabilities survey link
Pendleton County	OEM Director	Bruce Minor	Email	To	8/16/2017	Capabilities survey link
Region 8 PDC	Office Assistant	Carla Dent	Email	To	8/16/2017	Capabilities survey link
Region 8 PDC	Office Assistant	Carla Dent	Email	To	8/16/2017	Request new contact info for Ben Smith and all other Jurisdictions
Grant County	Floodplain Manager	Cullen Sherman	Email	To	8/16/2017	Capabilities survey link
Mineral County	Floodplain Manager	Drew Brubaker	Email	To	8/16/2017	Capabilities survey link
Town of Franklin	Floodplain Manager	Frank Wehrle	Email	To	8/16/2017	Capabilities survey link
Pendleton County		Gene McConnell	Email	To	8/16/2017	Capabilities survey link
City of Romney	Floodplain Manager	Jessica Szabo	Email	To	8/16/2017	Capabilities survey link
Mineral County	HSEM Director	Luke McKenzie	Email	To	8/16/2017	Capabilities survey link
Hardy County	Floodplain Manager	Melissa Scott	Email	To	8/16/2017	Capabilities survey link
Hardy County	OEM Director	Paul Lewis	Email	To	8/16/2017	Capabilities survey link
Grant County	OEM Director	Peggy Bobo-Alt	Email	To	8/16/2017	Capabilities survey link
Mineral County	Commissioner	Roger Leatherman	Email	To	8/16/2017	Capabilities survey link
Region 8 PDC	Executive Director	Terry Lively	Email	To	8/16/2017	Capabilities survey link
Region 8 PDC	Office Assistant	Carla Dent	Email	From	8/17/2017	Sent other jurisdiction's contact info. Will check with Terry for next date for meeting
Town of Franklin	Floodplain Manager	Frank Wehrle	Email	From	8/28/2017	Sent back assets list
Mineral County	HSEM Director	Luke McKenzie	Phone	From	8/28/2017	Asked about assets in Excel format
All			Email	To	8/28/2017	Sent out capabilities survey reminder and asset list
All			Email	To	9/14/2017	Important dates of upcoming meetings
All			Email	To	9/18/2017	List of tasks and reminder of conference call and meetings
Hardy County	OEM Director	Paul Lewis	Fax	From	9/22/2017	Sent Moorefield asset list
City of Piedmont	Clerk	Debbie Weasenforth	Email	To	9/25/2017	Asked for the mayor's (Ben Smith) correct email address
Hardy County	OEM Director	Paul Lewis	Email	To	9/25/2017	Asked for updated county assets, sent list
Region 8 PDC	Office Assistant	Carla Dent	Email	To	10/13/2017	Need to reschedule next meeting
All		All	Email	To	11/21/2017	Please post public survey again, public meetings?
Hardy County	OEM Director	Paul Lewis	Email	To	11/21/2017	Requested contact info for Wardensville
Region 8 PDC	Office Assistant	Carla Dent	Email	To	1/4/2018	Sent info on requesting input from neighboring jurisdictions.
City of Romney	Mayor	Beverly Keadle	Email	To	1/5/2018	Requested assets, project status update and concerns with hazards.
Hampshire County	HSEM Director	Brian Malcolm	Email	To	1/5/2018	Requested project status update and NFIP survey completed
Hampshire County	HSEM Director	Brian Malcolm	Email	From	1/5/2018	Sent NFIP questionnaire answered
Hampshire County	HSEM Director	Brian Malcolm	Email	From	1/5/2018	Sent information about contacts for Capon Bridge and Romney
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/5/2018	Will send out emails to partners to request input to plan
Region 8 PDC	Office Assistant	Carla Dent	Email	To	1/5/2018	Requested contact for jurisdictions and for public survey to be posted on their website.
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/5/2018	Sent contact list of organizations contacted for HMP review
Hampshire County	Administrative Assistant	Christie Weddle	Email	From	1/5/2018	Sent contact information for Keyser, Ridgeley, Carpendale, Piedmont, and Elk Garden
City of Romney	Floodplain Manager	Jessica Szabo	Email	To	1/5/2018	Requested project status update and NFIP survey completed

REGION 8 EMAIL/FAX/PHONE CALL LOG

<i>Stakaholder</i>	<i>Title</i>	<i>Name</i>	<i>Contact Method</i>	<i>To/From</i>	<i>Date</i>	<i>Subject</i>
Mineral County	HSEM Director	Luke McKenzie	Email	To	1/5/2018	Requested the capabilities and NFIP survey be sent to Mineral jurisdictions.
WV DOH District 8	Highway Engineer	Jeremiah Knavenshue	Email	From	1/8/2018	Sent information regarding landslides in Pendleton County
Region 8 PDC	Office Assistant	Carla Dent	Email	To	1/9/2018	Requested list of PDC members' affiliation
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/9/2018	Sent list of membership and meeting minutes
City of Romney	Mayor	Beverly Keadle	Phone	To	1/10/2018	Provided new email address
City of Romney	Mayor	Beverly Keadle	Email	To	1/10/2018	Requested assets, project status update and concerns with hazards.
Hampshire County	HSEM Director	Brian Malcolm	Phone	To	1/10/2018	Left message about project status and NFIP survey
Hampshire County	HSEM Director	Brian Malcolm	Email	To	1/10/2018	Don't need NFIP survey, just project status update
Pendleton County	OEM Director	Bruce Minor	Phone	To	1/10/2018	No answer
Grant County	Floodplain Manager	Cullen Sherman	Phone	To	1/10/2018	Left message about project status updates
City of Petersburg		Gary Michael	Email	To	1/10/2018	Requested capabilities survey and asked questions about hazards and projects
Pendleton County	Regional Epidemiologist	Kimerly Klein	Email	From	1/10/2018	Sent information regarding reportable diseases in Region 8
Hardy County	OEM Director	Paul Lewis	Phone	To	1/10/2018	Left message requesting assets
Town of Bayard	Mayor	Steven Durst	Email	To	1/10/2018	Requested capabilities survey and asked questions about hazards and projects
Hampshire County	HSEM Director	Brian Malcolm	Email	From	1/11/2018	Sent status of 2012 projects
Hampshire County	HSEM Director	Brian Malcolm	Phone	From	1/11/2018	Called in regards to my message yesterday.
Mineral County	HSEM Director	Luke McKenzie	Email	From	1/11/2018	Sent update of development areas
Hardy County	Floodplain Manager	Melissa Scott	Email	From	1/11/2018	Sent dam shapefiles for GIS mapping
Hampshire County	HSEM Director	Brian Malcolm	Phone	To	1/17/2018	Not in office
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/17/2018	Forwarded email response from WVU Medicine at the Potomac Valley Hospital
Grant County	Floodplain Manager	Cullen Sherman	Phone	To	1/17/2018	Called to remind of NFIP surveys and project status updates.
Grant County	Floodplain Manager	Cullen Sherman	Email	From	1/17/2018	Sent updated project list for county and jurisdictions
Mineral County	HSEM Director	Luke McKenzie	Email	From	1/17/2018	Sent information on Tier II facilities in the county
Hardy County	OEM Director	Paul Lewis	Phone	To	1/17/2018	Left message requesting assets
Town of Capon Bridge		Penny Feather	Phone	To	1/17/2018	Talked about jurisdictional participation and hazards.
Town of Capon Bridge		Penny Feather	Email	To	1/17/2018	Sent capabilities survey and questions about hazards.
City of Petersburg	City Manager	Sheila Vanmeter	Phone	To	1/17/2018	Left message to call me about participation
City of Petersburg	City Manager	Sheila Vanmeter	Phone	To	1/17/2018	Talked about the capabilities survey and asked hazards questions.
City of Petersburg	City Manager	Sheila Vanmeter	Email	To	1/17/2018	Emailed capabilities and hazards questions
Town of Bayard	Mayor	Steven Durst	Phone	To	1/17/2018	Talked about flooding in the town and history of the town
Town of Bayard	Mayor	Steven Durst	Email	To	1/17/2018	Sent capabilities survey
All		All	Email	To	1/18/2018	Sent updated project list to everyone for review and approval.
City of Piedmont	Mayor	Ben Smith	Phone	To	1/18/2018	Left message to call me about participation and got correct email.
City of Piedmont	Mayor	Ben Smith	Email	To	1/18/2018	Asked for email to send capabilities survey, question about hazards and review of projects
City of Keyser	Recorder	Brandi Paugh	Phone	To	1/18/2018	Asked for email to send capabilities survey, question about hazards and review of projects

REGION 8 EMAIL/FAX/PHONE CALL LOG

<i>Stakaholder</i>	<i>Title</i>	<i>Name</i>	<i>Contact Method</i>	<i>To/From</i>	<i>Date</i>	<i>Subject</i>
City of Keyser	Recorder	Brandi Paugh	Email	To	1/18/2018	Send capabilities, hazards questions and projects for review.
City of Keyser	Recorder	Brandi Paugh	Email	From	1/18/2018	No changes to the projects, completed the capabilities survey
Hampshire County	HSEM Director	Brian Malcolm	Phone	To	1/18/2018	Requested project status update and the Tier II facilities
Town of Carpendale		Butch Armentrout	Phone	To	1/18/2018	No answer, could not leave message.
Town of Ridgeley	Mayor	Clarence	Phone	To	1/18/2018	Left message to call me about participation
Mineral County	Floodplain Manager	Drew Brubaker	Email	From	1/18/2018	Mayor of Ridgeley Lynn Carr passed away several weeks ago.
Grant County	OEM Director	Peggy Bobo-Alt	Phone	To	1/18/2018	Left message requesting Tier II facility information
Town of Elk Garden			Phone	To	1/18/2018	No answer, could not leave message.
Hampshire County	HSEM Director	Brian Malcolm	Email	From	1/19/2018	Sent list of Tier II facilities
Pendleton County	OEM Director	Bruce Minor	Phone	To	1/19/2018	Called to ask for project status update and Tier II facilities.
Pendleton County	OEM Director	Bruce Minor	Email	To	1/19/2018	Emailed to remind him of phone call conversation.
Region 8 PDC	Office Assistant	Carla Dent	Email	To	1/19/2018	Asked for new contact info for Elk Garden, Capon Bridge, and Ridgeley
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/22/2018	Sent new contact info for Elk Garden Capon Bridge and Ridgeley.
Pendleton County	Regional Epidemiologist	Kimerly Klein	Email	From	1/22/2018	Sent new information on the flu data statewide
Pendleton County	OEM Director	Bruce Minor	Phone	To	1/23/2018	No answer
Hardy County	OEM Director	Paul Lewis	Phone	To	1/23/2018	Reminded of request for Tier II facilities - said the LEPC would have to contact me to give me info.
Grant County	OEM Director	Peggy Bobo-Alt	Phone	To	1/23/2018	Left message reminding of Tier II facilities
The Pendleton Times	Reporter	Shawn Stinson	Email	From	1/25/2018	Sent the article they ran in the newspaper about the HMP
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/29/2018	Forwarded email response from Grant Rehab and Care Center
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/31/2018	The HMP draft is on the Region 8 PDC website for review
Region 8 PDC	Office Assistant	Carla Dent	Email	From	2/1/2018	Forwarded comments from Region 4 PDC about HMP
Region 8 PDC	Office Assistant	Carla Dent	Email	From	4/12/2018	Forwarded NFIP survey from Romney and Capon Bridge
Region 8 PDC	Office Assistant	Carla Dent	Email	From	5/18/2018	Forwarded NFIP survey from Wardensville
Region 8 PDC	Office Assistant	Carla Dent	Email	From	5/23/2018	Forwarded NFIP survey from Mooresfield
Town of Ridgeley	Mayor	Mark Jones	Phone	To	6/4/2018	No answer, left message
Town of Carpendale	Clerk	Rhonda Vanmeter	Phone	To	6/4/2018	Asked for email to send capabilities survey. Asked to complete today.
Town of Carpendale	Clerk	Rhonda Vanmeter	Email	To	6/4/2018	Sent capabilities survey link with link to draft plan on R8PDC website.
City of Petersburg	City Manager	Sheila Vanmeter	Phone	To	6/4/2018	Asked to complete capabilities survey and NFIP survey today.
City of Petersburg	City Manager	Sheila Vanmeter	Email	To	6/4/2018	Sent capabilities survey link and NFIP survey with link to draft plan on R8PDC website
Town of Elk Garden	Councilman	Tom Braithwaite	Phone	To	6/4/12018	Called town hall, no answer, could not leave message
Town of Elk Garden	Councilman	Tom Braithwaite	Phone	To	6/5/2018	Spoke to Tom about hazards, said his most prevalent hazard is ice and winter storms, not flooding because they are on top of a mountain. Asked to fill out the capabilities survey.
Town of Elk Garden	Councilman	Tom Braithwaite	Email	to	6/5/2018	Sent survey link with the link of where to find the plan.

APPENDIX 3 INACTIVE PROJECTS

The following table lists the projects from 2012 that have been completed, deleted, or deferred in this update.

TABLE 5.3.A INACTIVE PROJECTS			
<i>Jurisdiction</i>	<i>2012 Project Number</i>	<i>Strategy</i>	<i>Narrative</i>
Franklin, Town of	E1.1.1	Flood wall needed for Town of Franklin.	Delete. No action taken.
Hardy County	H2.1.1	Review Hardy County Health Department plan.	Complete
Hardy County	H2.1.3	Compile an 'animals in disaster' plan for Hardy County.	Complete
Hardy County	H3.1.3	Identify water resources.	Complete
Hardy County	H5.1.4	The county needs to purchase equipment (hovercraft) to ensure that residents in the Old Fields area are accessible should a flood close US 220 out of Moorefield.	No longer necessary. Delete.
Hardy County	H6.1.3	Review the <i>Hardy County EOP</i> plans and fire department plans for compatibility.	Complete. This is done annually
Hardy County	H6.3.2	Identify location of natural gas lines.	Complete. This is done by the gas industry.
Hardy County	H8.1.3	Provide training for emergency personnel to identify human diseases.	Delete. Health Department daily activities.
Hardy County	H11.2.2	Implement snow route procedures after 2" of accumulated snowfall to protect infrastructure such as roads, alleys, and highways that are needed for emergency response capability.	Complete. DOH responsibility.
Keyser, City of	I1.1.1	Maintain or replace retaining walls in Keyser along Water Street.	Complete
Mineral County	J1.1.4	Review plan for Jennings Randolph dam in the Elk Garden area.	Complete
Mineral County	J1.1.6	Coordinate with the State of Maryland concerning the Savage River Dam. Review plan.	Complete
Mineral County	J1.1.7	Coordinate with the Soil Conservation Service regarding dam inspections; also, maintain copies of inundation mapping and other dam risk assessments at the Mineral County Office of Emergency Management office (in an attempt to warn the public).	Complete
Mineral County	J4.1.1	Educate the public as to the actual earthquake risk.	Deferred.

TABLE 5.3.A INACTIVE PROJECTS			
<i>Jurisdiction</i>	<i>2012 Project Number</i>	<i>Strategy</i>	<i>Narrative</i>
Mineral County	J5.3.1	Consider the development of a flood-specific annex to the Mineral County Emergency Operations Plan.	Delete.
Mineral County	J6.1.1	Initiate response of Hazardous Incidents Response Team.	Complete
Mineral County	J6.1.2	Initiate response of Region III response team.	Complete
Mineral County	J6.1.3	Review the Mineral County Emergency Operations Plan regarding hazmat responses.	Complete
Mineral County	J6.2.2	Ensure regular updating of the commodity flow study.	Deferred.
Mineral County	J6.4.1	Educate public concerning response to hazardous incidents.	Deferred.
Mineral County	J8.4.1	Compile, update, and maintain a terrorism vulnerability assessment for Mineral County.	Deferred.
Mineral County	J8.4.2	Create a terrorism annex to the county Emergency Operations Plan.	Complete
Mineral County	J11.1.2	Access money for snow removal when there is an emergency declaration and the potential for reimbursement.	Delete.
Mineral County	J11.1.3	Identify snow removal resources locally and regionally.	Complete
Mineral County	J11.1.8	Consider creating a county-specific snow emergency plan.	Delete.
Moorefield, Town of	K1.2.3	The Town of Moorefield should flood proof its wastewater treatment plant and lagoon.	Delete. Moved out of town.
Moorefield, Town of	K1.2.4	Flood proofing the Town of Moorefield's Water Treatment Plant.	Delete. A new water treatment plant is being built.
Pendleton County	L3.2.1	Use drought monitor to determine where drought areas are located.	Complete with the update of this plan.

APPENDIX 4
HAMPSHIRE COUNTY FLOODPLAIN MANAGEMENT PLAN

Floodplain Management Plan

Hampshire County, West Virginia

1. Introduction and purpose

Pursuant to Hampshire County participating in the Community Rating System through the Federal Emergency Management Administration (FEMA), a voluntary program, a Floodplain Management Plan is required.

The purpose of the Floodplain Management Plan is to better prepare, plan, educate, mitigate, and prevent the loss of property and life due to flooding and other disasters in Hampshire County, West Virginia.

A. Setting:

Hampshire County is located in the Potomac Highlands region of the eastern panhandle of West Virginia, between Alleghany County, Maryland and Fredrick County, Virginia. Hampshire County covers 642 square miles. Hampshire County is also bordered by three West Virginia counties, Morgan to the north, Hardy to the south, and Mineral to the West. Hampshire County does share a boundary corner with Grant County, West Virginia.

The topography of Hampshire County is in the Valley and Ridge Province of West Virginia. The county is divided into three regions; southwestern which is drained by the Cacapon River and its tributaries, northwestern which is drained by the South Branch of the Potomac River, and the midsection which is drained by the Little Cacapon River. Three strata types appear in Hampshire County are sandstone, shale, and limestone.

The United States Census 2015 estimates paint an uncertain future for Hampshire County. The 2015 estimated population of 23,353 is down 611 from the actual 2010 census population of 23,964. This is a change of negative 2.5 percent. Housing however may indicate growth as housing units have increased from 13,688 units in 2010 to 13,806 units in the 2015 estimate, an increase of 118 units. Residential permits being issued is also on the rise, there were 45 permits issued in 2016 for stick built homes and 126 for manufactured or modular homes.

There are major traffic corridors leading throughout the county. US Route 50 is the major thoroughfare, leading from east to west transecting the middle of the county. Three major routes transect the county from north to south; Route 220 in the west, Route 29 in the center of the county, and Route 259 runs from south to US Route 50 in the east. All of these major arteries are at risk of damage or closure due to natural disasters. There are also two rail lines located within the county. The CSX rail line runs along the northern most borders along the Potomac River until it crosses into Morgan County, West Virginia. The South Branch Valley Railroad leads from its railhead with the CSX Railroad in Green Spring up the Greenspring Run Valley to Blues's Beach where it then follows the South Branch River Valley to Hardy County, West Virginia to the south. Air traffic would not be able to assist greatly in a disaster as there are only a few small heliports established for medical evacuation utilization and smaller private airports, none of these could support large scale transports.

2. Problem Identification

2.1 Flood History

Hampshire County sits in the Potomac Highlands and has five main drainage areas; Potomac River, South Branch of the Potomac, North River, Little Cacapon and the Cacapon River. There are also many larger tributaries leading to the main drainage areas, such as Greenspring Run, Dillon's Run, Mill Creek or South Fork or North Fork of the Little Cacapon. This ridge and valley type of terrain leads to riverine flooding. Typically flooding occurs in short durations lasting less than twenty-four (24) hours. Flooding occurs many different ways in Hampshire County; it can experience widespread, county wide flooding or localized flooding. Localized flooding can occur from a storm happening in the county itself or upstream in one of the major drains such as the Potomac, South Branch of the Potomac, or North Rivers.

The South Branch of the Potomac River in Hampshire County typically produces the floods with greater occurrences. Data from a river gage located on the South Branch near Springfield is readily available from February of 1932. At this site major flood stage is 25 feet, moderate flood at 19 feet, flood stage at 15 feet, and action stage at 12 feet. Since February, 4 1932 this location has recorded eighty (80) events over flood stage, twenty-eight (28) over moderate flood, and six (6) over major flood. The six major floods occurred on 11/05/1985, 09/07/1996, 03/18/1936, 06/18/1949, 01/20/1996, and 08/19/1955. The most sever of these was the 11/05/1985 flood which recorded a crest of 44.22 feet, 29.22 feet above flood stage. The majority of these flood occur during the winter and spring months.

2.2 Wind Storm History:

Hampshire County does have a history with wind damage. There has never been a massive disaster for Hampshire County involving wind; however the county has experienced a derecho, straight line winds, and tornados. These have been localized events that to date have caused little damage. These must be considered as the frequency and tenacity of storms are escalating. Hampshire County does also possess many high ridges that run in a north to south orientation that are susceptible to these types of events.

2.3 Landslide/Mudslide History:

Hampshire County has experienced minor slides in the past. These typically occur during rain events and often occur along the cut slopes of the road system. When these occur it is the responsibility of the West Virginia Department of Highways to repair. Given Hampshire County's terrain we are classified as high susceptibility/low incidence by the Unites State Geological Survey (USGS) Land Subsidence Map. This does raise concerns in that we are at a high risk and with increasing development this could lead to more occurrences of this type of disaster.

2.4 Dam Failure:

Dam failure has never impacted Hampshire County on a scale that can be documented. The county is at risk due to the positioning of impoundments upstream of the county. The largest of these structures is the Unites State Army Corps of Engineers dam of Jennings Randolph. Two

other large dams containing the Savage River and the Upper Potomac would impact Hampshire County. There are also numerous flood control impoundments constructed by the Natural Resource Conservation Service (NRCS). All of the previously noted impoundments are controlled and or regulated by governmental entities and have regular maintenance and inspections. Possibly of greater concern would be privately owned impoundments that are not properly maintained and inspected.

Historic Crests for The South Branch of the Potomac at Springfield WV

- | | |
|--------------------------------|---------------------------------|
| (1) 44.22 ft on 11/05/1985 | (43) 17.38 ft on 03/24/1991 |
| (2) 34.98 ft on 09/07/1996 | (44) 17.35 ft on 04/15/1948 |
| (3) 34.20 ft on 03/18/1936 | (45) 17.32 ft on 10/19/1975 |
| (4) 29.85 ft on 06/18/1949 | (46) 17.31 ft on 03/02/1954 |
| (5) 28.41 ft on 01/20/1996 | (47) 17.27 ft on 03/22/1962 |
| (6) 25.55 ft on 08/19/1955 | (48) 17.21 ft on 01/27/1978 |
| (7) 24.70 ft on 09/20/2003 (P) | (49) 17.15 ft on 09/19/1945 |
| (8) 23.42 ft on 10/10/1976 | (50) 17.02 ft on 12/05/1950 |
| (9) 23.00 ft on 04/27/1937 | (51) 17.00 ft on 08/24/1933 |
| (10) 22.15 ft on 03/20/1963 | (52) 16.93 ft on 03/05/2008 |
| (11) 22.00 ft on 05/23/1942 | (53) 16.79 ft on 05/09/2013 |
| (12) 21.50 ft on 10/16/1954 | (54) 16.79 ft on 05/09/2013 |
| (13) 21.40 ft on 02/04/1939 | (55) 16.79 ft on 05/18/1996 |
| (14) 21.15 ft on 10/29/1937 | (56) 16.75 ft on 01/01/1976 |
| (15) 21.11 ft on 10/06/1972 | (57) 16.71 ft on 04/25/1983 |
| (16) 21.09 ft on 10/16/1942 | (58) 16.70 ft on 05/09/1960 |
| (17) 21.00 ft on 03/08/1967 | (59) 16.63 ft on 05/17/1942 |
| (18) 20.40 ft on 02/04/1932 | (60) 16.58 ft on 04/06/1977 |
| (19) 20.34 ft on 03/20/1975 | (61) 16.55 ft on 03/21/1982 |
| (20) 20.16 ft on 12/27/1973 | (62) 16.33 ft on 10/23/1929 |
| (21) 20.11 ft on 05/31/1940 | (63) 16.33 ft on 03/31/1960 |
| (22) 19.50 ft on 04/16/2007 | (64) 16.20 ft on 06/01/1985 |
| (23) 19.19 ft on 02/10/1994 | (65) 16.13 ft on 04/13/2011 |
| (24) 19.18 ft on 04/17/1987 | (66) 16.10 ft on 02/26/1936 |
| (25) 19.18 ft on 03/15/1986 | (67) 16.07 ft on 05/01/1980 |
| (26) 19.17 ft on 02/26/1979 | (68) 15.98 ft on 01/09/1998 |
| (27) 19.13 ft on 04/17/1929 | (69) 15.95 ft on 05/11/2003 (P) |
| (28) 19.01 ft on 05/18/2011 | (70) 15.69 ft on 03/27/1978 |
| (29) 18.63 ft on 02/15/1984 | (71) 15.37 ft on 04/29/2011 |
| (30) 18.57 ft on 05/17/2014 | (72) 15.35 ft on 01/31/1939 |
| (31) 18.54 ft on 01/26/2010 | (73) 15.35 ft on 04/17/2011 |
| (32) 18.40 ft on 04/21/1901 | (74) 15.29 ft on 02/27/1972 |
| (33) 18.26 ft on 04/17/1993 | (75) 15.28 ft on 12/30/1954 |
| (34) 18.15 ft on 06/03/1974 | (76) 15.27 ft on 11/19/1929 |
| (35) 18.10 ft on 03/15/1978 | (77) 15.24 ft on 03/11/2011 |
| (36) 18.09 ft on 03/21/1998 | (78) 15.24 ft on 03/16/1967 |
| (37) 18.00 ft on 11/20/2003 | (79) 15.07 ft on 02/24/2003 (P) |
| (38) 17.90 ft on 05/08/1994 | (80) 15.00 ft on 01/16/1995 |
| (39) 17.88 ft on 05/12/1932 | (81) 14.99 ft on 03/29/2005 |
| (40) 17.87 ft on 06/23/1972 | (82) 13.90 ft on 05/05/2009 |
| (41) 17.65 ft on 12/08/1950 | |
| (42) 17.49 ft on 04/23/2002 | |

(P): Preliminary values subject to further review.

Recent Crests for the South Branch of the Potomac near Springfield WV

- | | |
|---------------------------------|-----------------------------|
| (1) 18.57 ft on 05/17/2014 | (44) 17.32 ft on 10/19/1975 |
| (2) 16.79 ft on 05/09/2013 | (45) 20.34 ft on 03/20/1975 |
| (3) 16.79 ft on 05/09/2013 | (46) 18.15 ft on 06/03/1974 |
| (4) 19.01 ft on 05/18/2011 | (47) 20.16 ft on 12/27/1973 |
| (5) 15.37 ft on 04/29/2011 | (48) 21.11 ft on 10/06/1972 |
| (6) 15.35 ft on 04/17/2011 | (49) 17.87 ft on 06/23/1972 |
| (7) 16.13 ft on 04/13/2011 | (50) 15.29 ft on 02/27/1972 |
| (8) 15.24 ft on 03/11/2011 | (51) 15.24 ft on 03/16/1967 |
| (9) 18.54 ft on 01/26/2010 | (52) 21.00 ft on 03/08/1967 |
| (10) 13.90 ft on 05/05/2009 | (53) 22.15 ft on 03/20/1963 |
| (11) 16.93 ft on 03/05/2008 | (54) 17.27 ft on 03/22/1962 |
| (12) 19.50 ft on 04/16/2007 | (55) 16.70 ft on 05/09/1960 |
| (13) 14.99 ft on 03/29/2005 | (56) 16.33 ft on 03/31/1960 |
| (14) 18.00 ft on 11/20/2003 | (57) 25.55 ft on 08/19/1955 |
| (15) 24.70 ft on 09/20/2003 (P) | (58) 15.28 ft on 12/30/1954 |
| (16) 15.95 ft on 05/11/2003 (P) | (59) 21.50 ft on 10/16/1954 |
| (17) 15.07 ft on 02/24/2003 (P) | (60) 17.31 ft on 03/02/1954 |
| (18) 17.49 ft on 04/23/2002 | (61) 17.65 ft on 12/08/1950 |
| (19) 18.09 ft on 03/21/1998 | (62) 17.02 ft on 12/05/1950 |
| (20) 15.98 ft on 01/09/1998 | (63) 29.85 ft on 06/18/1949 |
| (21) 34.98 ft on 09/07/1996 | (64) 17.35 ft on 04/15/1948 |
| (22) 16.79 ft on 05/18/1996 | (65) 17.15 ft on 09/19/1945 |
| (23) 28.41 ft on 01/20/1996 | (66) 21.09 ft on 10/16/1942 |
| (24) 15.00 ft on 01/16/1995 | (67) 22.00 ft on 05/23/1942 |
| (25) 17.90 ft on 05/08/1994 | (68) 16.63 ft on 05/17/1942 |
| (26) 19.19 ft on 02/10/1994 | (69) 20.11 ft on 05/31/1940 |
| (27) 18.26 ft on 04/17/1993 | (70) 21.40 ft on 02/04/1939 |
| (28) 17.38 ft on 03/24/1991 | (71) 15.35 ft on 01/31/1939 |
| (29) 19.18 ft on 04/17/1987 | (72) 21.15 ft on 10/29/1937 |
| (30) 19.18 ft on 03/15/1986 | (73) 23.00 ft on 04/27/1937 |
| (31) 44.22 ft on 11/05/1985 | (74) 34.20 ft on 03/18/1936 |
| (32) 16.20 ft on 06/01/1985 | (75) 16.10 ft on 02/26/1936 |
| (33) 18.63 ft on 02/15/1984 | (76) 17.00 ft on 08/24/1933 |
| (34) 16.71 ft on 04/25/1983 | (77) 17.88 ft on 05/12/1932 |
| (35) 16.55 ft on 03/21/1982 | (78) 20.40 ft on 02/04/1932 |
| (36) 16.07 ft on 05/01/1980 | (79) 15.27 ft on 11/19/1929 |
| (37) 19.17 ft on 02/26/1979 | (80) 16.33 ft on 10/23/1929 |
| (38) 15.69 ft on 03/27/1978 | (81) 19.13 ft on 04/17/1929 |
| (39) 18.10 ft on 03/15/1978 | (82) 18.40 ft on 04/21/1901 |
| (40) 17.21 ft on 01/27/1978 | |
| (41) 16.58 ft on 04/06/1977 | |
| (42) 23.42 ft on 10/10/1976 | |
| (43) 16.75 ft on 01/01/1976 | |

(P): Preliminary values subject to further review.

The Potomac River makes up a portion of Hampshire County's northern border with Allegheny County Maryland. The North Fork of the Potomac River is flood controlled by Jennings Randolph Dam which is an U.S. Army Corps of Engineers controlled impoundment. This alleviates a great deal of flooding that would normally be incurred should the river not have flood control measures installed. The one problem that is created by the North Fork of the Potomac River is backwater flooding the community of GreenSpring, West Virginia. Greenspring Run floods this community due to the fact that water backs up from the North Fork of the Potomac River. Hampshire County must consider the catastrophic impacts that would devastate the valley should a dam failure occur at the Jennings Randolph or Savage River Dams. The North Fork of the Potomac is monitored by a gauge in Cumberland, Maryland. The Potomac River is monitored by a river gauge located in Paw Paw, West Virginia; this community is located in Morgan County. Typically the Paw Paw gauge is utilized for planning for flooding events in Hampshire County. This gauge has a major flood height of 32 feet, moderate at 28 feet, flood stage at 25 feet, and action stage at 22.5 feet. Since 1928 this gauge has recorded thirty-six (36) events at or just below flood stage, the highest being a height of 54 feet recorded on 03/18/1936.

**Historic Crests for the Potomac
At Paw Paw**

- (1) 54.00 ft on 03/18/1936
- (2) 53.58 ft on 11/05/1985
- (3) 45.00 ft on 06/01/1889
- (4) 45.00 ft on 11/24/1877
- (5) 43.50 ft on 03/29/1924
- (6) 43.45 ft on 09/07/1996
- (7) 40.86 ft on 01/20/1996
- (8) 38.36 ft on 10/16/1942
- (9) 35.35 ft on 08/19/1955
- (10) 33.91 ft on 06/19/1949
- (11) 32.24 ft on 10/16/1954
- (12) 31.48 ft on 03/20/1963
- (13) 31.40 ft on 05/01/1928
- (14) 30.62 ft on 04/17/1993
- (15) 30.52 ft on 10/10/1976
- (16) 30.24 ft on 03/08/1967
- (17) 29.13 ft on 02/26/1979
- (18) 28.83 ft on 06/23/1972
- (19) 28.67 ft on 05/19/2011

- (20) 28.27 ft on 05/09/1960
- (21) 28.20 ft on 02/04/1939
- (22) 27.91 ft on 09/20/2003
- (23) 27.86 ft on 03/20/1986
- (24) 27.66 ft on 03/20/1975
- (25) 27.54 ft on 02/15/1984
- (26) 26.98 ft on 05/23/1942
- (27) 26.52 ft on 12/30/1942
- (28) 26.43 ft on 03/15/1978
- (29) 26.41 ft on 12/28/1973
- (30) 25.93 ft on 04/17/1987
- (31) 25.87 ft on 06/14/1951
- (32) 25.70 ft on 04/30/1964
- (33) 25.36 ft on 03/31/1960
- (34) 25.08 ft on 04/25/1983
- (35) 25.06 ft on 03/02/1954
- (36) 24.81 ft on 03/11/2011

Recent Crests

- (1) 28.67 ft on 05/19/2011
- (2) 24.81 ft on 03/11/2011
- (3) 27.91 ft on 09/20/2003
- (4) 43.45 ft on 09/07/1996
- (5) 40.86 ft on 01/20/1996
- (6) 30.62 ft on 04/17/1993
- (7) 25.93 ft on 04/17/1987
- (8) 27.86 ft on 03/20/1986
- (9) 53.58 ft on 11/05/1985
- (10) 27.54 ft on 02/15/1984
- (11) 25.08 ft on 04/25/1983
- (12) 29.13 ft on 02/26/1979
- (13) 26.43 ft on 03/15/1978
- (14) 30.52 ft on 10/10/1976
- (15) 27.66 ft on 03/20/1975
- (16) 26.41 ft on 12/28/1973
- (17) 28.83 ft on 06/23/1972

- (18) 30.24 ft on 03/08/1967
- (19) 25.70 ft on 04/30/1964
- (20) 31.48 ft on 03/20/1963
- (21) 28.27 ft on 05/09/1960
- (22) 25.36 ft on 03/31/1960
- (23) 35.35 ft on 08/19/1955
- (24) 32.24 ft on 10/16/1954
- (25) 25.06 ft on 03/02/1954
- (26) 25.87 ft on 06/14/1951
- (27) 33.91 ft on 06/19/1949
- (28) 26.52 ft on 12/30/1942
- (29) 38.36 ft on 10/16/1942
- (30) 26.98 ft on 05/23/1942
- (31) 28.20 ft on 02/04/1939
- (32) 54.00 ft on 03/18/1936
- (33) 31.40 ft on 05/01/1928
- (34) 43.50 ft on 03/29/1924
- (35) 45.00 ft on 06/01/1889

The Cacapon River runs through the Town of Capon Bridge. The river transects the County from south to north. There is a river gauge in the community of Great Cacapon in Morgan County; at this site which is down river from Hampshire County the major flood stage is 20 feet, moderate is 16 feet, flood stage is 9 feet, and action stage is 7 feet. There is no crest data for this gauge.

There are numerous stream gauges on different streams that are utilized to predict and monitor flooding potential in Hampshire County. There is the problem of no gauges on smaller drainages of North River, the Little Cacapon, Mill Creek, and Green Spring Run, this hinders predicting flooding events and when to evacuate areas.

2.5 Repetitive Loss Area

A. South Branch River (Coleman Farm, River Rat, Blue Beach, Wapocoma)

The Repetitive Loss Area located near the South Branch of the Potomac River experience these losses due to development occurring too close to the river bank itself. Development is often located in areas considered floodway or areas that would be floodway should a detailed study occur. Most of these structures are pre-FIRM and seasonal in nature with no mortgage.

Resolution of the repetitive losses could be resolved through relocation or demolition; however, due to the majority of the structures nature, seasonal use, owners are reluctant to pursue grants or invest additional monies to retrofit. The close proximity to the river bank is also what makes the location desirable, making relocation problematic.

B. Cacapon River (Raging River, Hooks Mill, Bubbling Springs, Kilgore, The Crossings)

The Repetitive Loss Areas located along the Cacapon River experience losses due to riverine flooding occurring from development in high hazard areas. Development is often in floodway areas or what would be a floodway if a detailed study would be performed. Most of these structures are pre-FIRM in nature.

Resolution of the repetitive losses could be resolved through relocation, demolition, or retrofitting. Demolition is unattractive due to the proximity in nature to the river and the opportunities it provides for recreation. Demolition also hurts the tax base in the County by removing taxable structures. Relocation is also unattractive to the owners because of the recreational opportunities the river provides. Retrofitting may be considered if funding is available, however; most owners are unwilling to spend additional dollars on second homes that are recreational in use.

C. North River (Hanging Rocks)

The Repetitive Loss Area located near North River experiences losses due to riverine flooding. It is located in a high hazard area and in close proximity to the river bank, making it prime for damage due to flooding. The structure in question is also a pre-FIRM building.

The property owners would have to be willing to apply for grants for retrofitting or relocation, relocation being the most desirable mitigation measure.

D. Critton Owl Hollow Road

The Repetitive Loss Area is outside of a mapped Special Flood Hazard Area. The structure was built in 1975 and experiences sheet flow from adjacent open fields which sit on a slope.

Losses could be mitigated through stormwater drainage plans that direct flows around the structure but not onto adjoining properties, which do not experience the same flooding issues.

E. North Branch of the Potomac River (Greenspring, confluence with Green Spring Run)

This Repetitive Loss Area experiences flooding due to its close proximity to the North Branch of the Potomac. Multiple factors come into play for this pre-FIRM community. One is the CSX railroad that acts as a levee for the town of Greenspring. This increases flood water height in this area as opposed to allowing it to distribute over the natural flat low lying areas.

Resolution could be achieved in this area through demolition, relocation, or retrofitting. Many homes in this area are rental properties. Landlords are typically unwilling to retrofit or demolish. The additional investment or demolishment would make the business plan unfeasible. Relocation would be challenging due to the conditions present.

F. Green Spring Run (Greenspring)

The Repetitive Loss Areas located near Green Spring Run receive overflow and backwater from Green Spring Run. This is caused by its confluence with the North Branch of the Potomac and the CSX railroad. Flood water heights back up the run from the North Branch and prohibit the run from flowing through an underpass in the railroad. This increases flood water heights throughout the town.

Repetitive losses could be mitigated through retrofitting, relocation, or demolition. This area has had some mitigation in the past with minor success. Current ownership of the majority of the properties is rental in nature and makes the profitability of the owners' business plans challenging. Retrofitting would consume funds from the profit margin, demolishing would destroy the business altogether. The older pre-FIRM structures would be hard to relocate.

3.0 Development in the Special Flood Hazard Areas:

Development in the Special Flood Hazard Areas in Hampshire County is mainly recreational in nature. Most development in the past decade has been by the way of recreational vehicles and accessory structures for those recreational vehicles by way of pavilions, small sheds, or decks. This is actually a positive in the fact that these are small in nature and have no adverse impact on the Special Flood Hazard Area. They are required to obtain a permit, as both Federal Code of Regulations and the Hampshire County Floodplain Ordinance require a permit for all development. Development can be defined as in 44 Code of Federal Regulations as any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations or

storage of equipment or materials. Recreational Vehicles do not require a permit unless they are installed per a manufactured home.

A 2017 report shows parcels that are affected by Special Flood Hazard Area (SFHA) consists of 20,433.41 acres. These parcels are valued at \$109,182,700.00 with \$57,381,900.00 being building values. This proves that Hampshire County is extremely vulnerable to major losses that could result from flooding. These parcels may not be entirely in the Special Flood Hazard Area but structures may be positioned just beyond the limits of the SFHA which means they may still be extremely at risk.

4.0 Damage from previous flood events.

The worst flood in Hampshire County history was the November 05, 1985, a recorded height of 44.22 feet at the Springfield river gauge. There are accounts of other devastating floods to the area. An account recorded in the Wednesday, September 30, 1936 edition of the Hampshire Review mentions a flood in the spring of 1748. Another flood was mentioned in an article in the Hampshire Review published March 18, 1936 that happened in 1877 or 1878 (as a result of a hurricane that came ashore in South Carolina and tracked up the coast), that was the previous flood of record, until the March 18, 1936 flood which recorded a height of 34.20 feet at the Springfield river gauge. Reports of rainfall totals of five inches were recorded with the 1936 flood. Damage totals for the replacement of three bridges and the South Branch Valley Railroad totaled approximately \$550,000.00 for the 1936 flood. While vague reports are available at best, it seems the 1748, 1877, and 1936 floods affected the entire county, whereas the 1985 flood seemed to damage mainly the South Branch Valley as the worst of the torrential rain fell in the headwater area, some areas receiving ten or more inches within the six day period.

The November 5th, 1985 flood, being a more recent flood and considered the flood of record was documented substantially more than the previous flood. Hampshire County received Small Business Loans (SBA) for homes in the amount of \$1,892,300 for 55 homes and \$957,000 for 11 businesses. FEMA assisted 122 in temporary housing. There was also 39 State Flood Assistance Program Grants in the amount of \$78, 834.97. An amount of \$259,073.99 was awarded in individual family grants. There were additional monies provided by FEMA to Hampshire County in the amount of \$145,051, Romney received \$79,300, Romney Fire Company received \$4,500, and the Springfield Fire company received \$3,313. This totals \$3,419,372.80 if funds that were received by Hampshire County residents and governmental entities, this does not include the amounts that went to state agencies for bridge, road, railroad, and other repairs.

The January 1996 flood also impacted the area; this flood was caused by snow accumulation followed by heavy rain. In Hampshire county 5 homes were destroyed with 15 damaged. Multiple roads and one bridge also sustained damage. The Springfield area was also without water for a sustained time. The water outage was alleviated by a National Guard 3,500 gallon tanker.

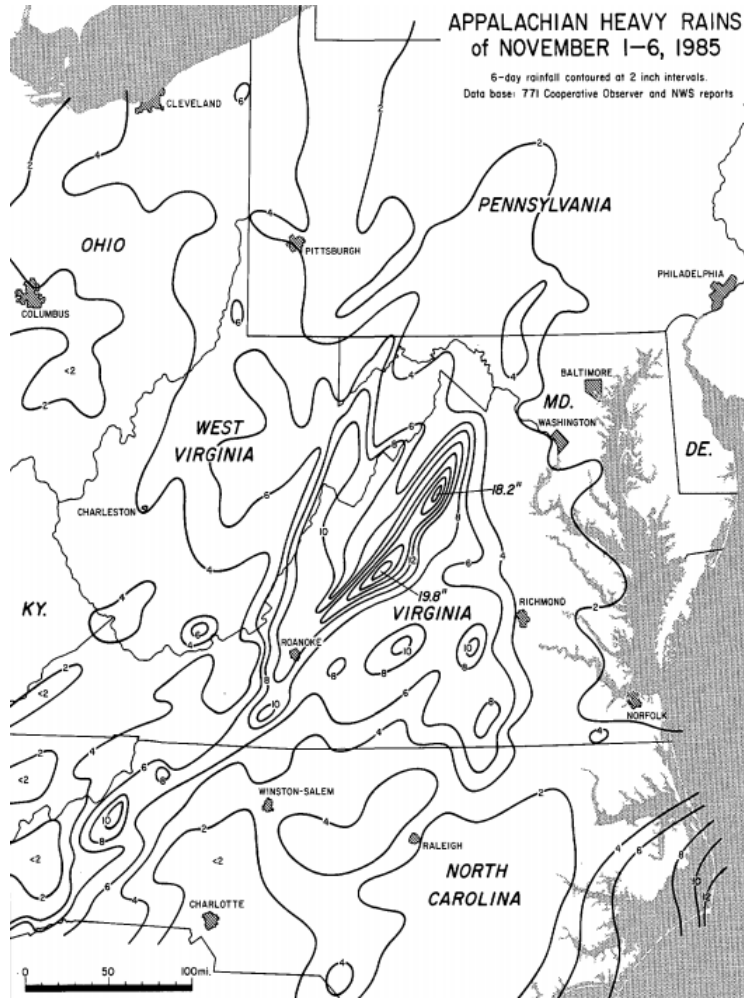
The September 1996 flood resulted from Hurricane Fran which saturated the area with 4 to 6 inches of rain. This resulted in greater damage to Hampshire County as 240 homes were damaged (40 of which were considered major damage), 13 single family homes destroyed, and 108 mobile homes destroyed.

There have also been many localized events resulting from localized heavy rain events and poor drainage maintenance. One instance of localized flooding occurred in the summer of 2016 when a severe thunderstorm developed in the South Little Cacapon watershed area and inundated roads, washed out ditches, and caused damages for farm fencing. Luckily no losses or damages occurred to homes or other structures during this event.

This leads to flooding being the number one priority for hazard planning, regulation, mitigation, and concern for Hampshire County. However, in properly planning for the impacts of flooding one must also consider dam failure, windstorm, and landslide/mudslide. Dam failure must be considered due to the portions of Hampshire County sitting in the inundation area of Jennings Randolph, Savage River, and Mount Storm impoundments. Windstorms have the potential to exacerbate flooding due to debris buildup in water channels, this in turn has the potential to create a damming effect which in turn could create inundation of flood water behind the debris dam or downstream when the debris dam bursts. An example of this is the derecho that occurred in June of 2012 across West Virginia. Landslides/mudslides are similar to windstorm debris in relation to their impacts on flooding. The potential for a slide to inhibit the natural flow of the water channels causing inundation behind the slide or below should the slide erode and allow substantial amounts of water to pass at once. Hampshire is considered as having a high potential for these types of slides; however we have only experienced minor slides, typically impacting roads where cuts have been made during construction. Hampshire County is heavily forested and consideration of this should be taken into the planning process as forested area; one, absorbs more rainfall; and two, tree root systems stabilize the soil to prevent erosion.

APPALACHIAN HEAVY RAINS of NOVEMBER 1-6, 1985

6-day rainfall contoured at 2 inch intervals.
Data base: 771 Cooperative Observer and NWS reports



5.0 Recommended Activities

5.1 Mitigation Programs for Re-location and Elevation

- A. Re-location would be a viable mitigation strategy for structures located in the Special Flood Hazard Areas (SFHA). Hampshire County is fortunate in the terrain present does provide one the opportunity to re-locate to higher ground, outside the SFHA. This would be the best scenario for you are removing the entire risk of loss of life and property from the SFHA, remember, property outside the SFHA still has the potential for flood losses due to localized flooding, development of surrounding properties, and poor drainage maintenance practices.
- B. Elevation would be the second choice for mitigation of losses incurred due to flooding. This is the least likely alternative due to the risk of loss of life and property still exists at a higher rate compared to re-location. This alternative may be attractive to the numerous seasonal homes located along the major drains for their advantageous access to recreational opportunities provided to them by the rivers, thusly making re-location an unattractive resolution.
- C. We must also remember that many of these are pre-firm structures that were also built prior to Hampshire County's enforcement of building codes. Re-location or elevation may require substantial upgrades to structural components of the homes. There has been few homes constructed in the SFHA since the adoption of both the Hampshire County Floodplain Ordinance and the Hampshire County Building Code.

5.2 Demolition

- A. Demolition is not a recommended activity but needs to be mentioned. Most structures in the Repetitive Loss areas are either seasonal in nature or rental properties. The majority of seasonal structures has been handed down through generations of use and therefore has sentimental value to the owners. This added with more stringent regulation regarding development in the SFHA makes demolition an unattractive alternative. Likewise, the loss of revenue for landlords in the demolition of a rental property makes demolition unfeasible. It should also be mentioned that through demolition the county government loses tax monies which are vital for operation, especially in an area struggling to increase employment and standards of living.

5.3 Open Space

- A. Farmland preservation could be utilized for the SFHA. Preference could be given to farmland easements located in the SFHA, which typically have fertile soils desirable for agricultural activities. This would provide operating capital to the farm while also preserving through deed restriction the use of the land.
- B. The Forest Legacy program could also be utilized for preserving woodlands in the SFHA. This would ensure property in the SFHA would be reserved for the natural beneficial functions of the floodplain through deed restrictions.

- C. Subdivision/Land Use Ordinance amendments could be utilized in numerous ways. Developers could be granted special provisions for the creation of open space in new developments. Provisions could consist of variances for home densities outside the SFHA or ensuring alternative building sites are available outside the SFHA. Setbacks could also be utilized to ensure development occurs in the best possible manner.

5.4 Watershed Management Plan

- A. A watershed management plan should be investigated in cooperation with the West Virginia Department of Environmental Protection, Region 8 Planning and Development Council, The Potomac Valley Conservation District and Grant, Pendleton, Hardy, Mineral, & Hampshire Counties.

5.5 Flood Warning Dissemination System

- A. The Hampshire County Office of Emergency Services and 911 Center has the capability through Everbridge Public Notification to contact the general public through land line and cellular service in the affected areas of eminent dangers. This can be accomplished through a data base of phone numbers or every cell phone within the coverage area of a tower. Confirmation is also received of the notification.
- B. There is also the possibility of initiating Disaster Alert Tones from local fire whistles.
- C. The public can monitor and be notified by the National Oceanic at Atmospheric Administration (NOAA) Weather Radio for special statements.
- D. Social media is also notified through alerts and post by the Hampshire County Office of Emergency Services and 911 Center.

5.6 Property Owner protection measures

- A. The Hampshire County Subdivision and Land Development Ordinance as amended on July 1, 2016 require in Section 6.9 Recreational Vehicle Parks or Campground Standards in subsection k.; Floodplain, any campers in the Special Flood Hazard Area will be provided with information detailing: Risks, Evacuation Procedure, and Important Contacts.

5.7 Storm Water Management

- A. Hampshire County adopted a Stormwater Management Ordinance on March 14, 2006. This ordinance is focused on commercial, non-agricultural development that results in impervious areas created larger than 3000 square feet.

6.0 Deficiencies in Flood Preparedness Plans

- A. Hampshire County has an Emergency Preparedness Plan. The only deficiency that could be foreseen is the actual dissemination of information to the public. This is hard to ensure that everyone has been notified in the affected area. This leaves the slightest chance that someone will not be notified in the event of an eminent flood.

7.0 Flood Response Plan

7.1 Introduction

This section is dedicated to the roles and responsibilities of Hampshire County Officials pre, during, and post flood event.

7.2 Pre-flood

Highways: The West Virginia Department of Highways will plan and prepare for road closures according to the conditions expected. They will also perform maintenance on roads and ditches to mitigate the damage occurred from rain events. The WV DOH also performs some stream stabilization projects through their road maintenance projects.

The Hampshire County Planning Office will administer the Hampshire County Floodplain Ordinance, Stormwater Ordinance, and cooperates with all involved entities with the Hampshire County Floodplain Management Plan and Hazard Mitigation Plan.

The Hampshire County Department of Homeland Security and Emergency Management and Hampshire County 911 oversee the Continuity of Operations Plan and plans and operates emergency exercise drills for better preparedness.

Hampshire County Fire Departments prepares and practices emergency exercises in preparation for rescue and evacuation.

The City of Romney Water Treatment Plant which supplies most of the water for public systems in Hampshire County would have to pump as much water as possible to fill any storage tanks. If a major flood is imminent then they would have to seal a man hole at the intake and pull an air compressor and antenna for telemetry.

Central Hampshire Public Service District would pump additional water to fill tanks, utilizing the Romney Water System and Greenspring System.

Capon Bridge would try and fill tanks for water supply should the spring become damaged during the event.

7.3 During a Flooding Event

Hampshire County Department of Homeland Security and Emergency Management, Fire Departments, and Law Enforcement will coordinate evacuations.

Hampshire County Department of Homeland Security and Emergency Management will coordinate with West Virginia Department of Homeland Security and Emergency Management for any assistance needed.

The Hampshire County 911 Center will robo call affected areas for mandatory and voluntary evacuations through its Integrated Alert Warning System. This will also notify any cellular phone located within the area. This will be performed just prior to and throughout the event to ensure as many residents as possible reach safe areas.

Hampshire County Department of Homeland Security and Emergency Management will enact its Emergency Response Plan and Continuity of Operations Plan.

7.4 Post Flood

The Hampshire County Planning Office will oversee and coordinate completion of damage assessments.

The Hampshire County Planning Office and Hampshire County Department of Homeland Security and Emergency Management will apply for grants and reimbursements.

The Hampshire County Planning Office will oversee the reconstruction/demolition of effected structures.

The Hampshire County Planning Office will oversee permit applications for all development. This may require a temporary moratorium while damage assessments are being completed.

The West Virginia Department of Highways will repair/replace damaged roads and bridges.

The West Virginia National Guard will assist with clean-up of flood debris.

The Hampshire County Department of Homeland Security and Emergency Management will oversee shelters and distribution of relief efforts.

Augusta Church of Christ, The American Red Cross and multiple other agencies will be contacted and activated to ease the burden of day to day life through utilization of shelters, temporary housing needs, food, water, and other necessities to sustain health, safety, and welfare of residents.

Law enforcement will secure affected areas to prevent further impacts on life and safety.

7.5 At Risk Roads and Railroads

Hampshire County's terrain helps in the evacuation of citizens located in harm's way due to hazards created by flood waters inundating low lying property. In many areas there are areas adjacent to the Special Flood Hazard Areas that can be accessed by foot, if not by low clearance vehicles that are of higher, safer terrain. There are a few State and County Roads (all are maintained by the West Virginia Department of Highways) that are prone to inundation by flood waters.

Road closures will be determined by cooperation between Hampshire County Office of Emergency Services and 911, the West Virginia State Police, and West Virginia Department of Highways. The Hampshire County Sheriff's Office and Fire and Rescue may also close roads due to inundation.

It should be noted that during a major county wide event the county could be cut off from all outside sources by major road access. This would make disaster recovery extremely difficult and costly! History shows the potential of this with the closing of the US Route 50 Bridge over the South Branch of the Potomac during the November 1985 event. The low water toll bridge over the Potomac River is often closed even during minor flooding events, this bridge connects Green Spring, West Virginia to Oldtown, Maryland.

A. Potomac River – South Branch of the Potomac River Areas

1. US Route 50 - Northwest Turnpike
Area of Romney
2. State Route 28 - Cumberland Road
Areas of Wapocomo, Blues Beach, & Springfield
3. County Route 8 - South Branch River Road
4. County Route 1 – Green Spring Valley Road
5. County Route 3 – Slanesville Pike
Area of Milleson's Mill
6. County Route 10 – Grassy Lick Road
7. County Route 1/1 - Campbell Road
8. County Route 1/1 – Arnold Sticklely Road
9. County Route 28/6 – Graces Cabin Road
10. County Route 3/7 – Clarence Taylor Road
11. County Route 50/4 – Foxes Hollow Road
12. County Route 28/5 – Camp Cliffside Road
13. CSX Main Railroad
14. South Branch Valley Railroad

B. Cacapon River and Tributaries including North River

1. US Route 50 – Northwest Turnpike
Areas of Smokey Hollow, Capon Bridge, and Hanging Rock
2. State Route 29 N – Bloomery Pike
Area of the Forks of the Cacapon
3. State Route 29 S – Delray Road
Areas of Delray & Rio
4. State Route 259 – Carpers Pike
Area from Capon Lake to Yellow Springs
5. County Route 15 – Cold Stream Road
Areas of the Old Ford and North River Mills
6. County Route 6 – Smokey Hollow Road
7. County Route 14 – Capon River Road
8. County Route 16 – Capon Springs Road
9. County Route 23/10 – Back Creek Road
10. County Route 23/3 – Kump Road
11. County Route 50/25 – Dillon’s Run Road

C. Little Cacapon River

1. US Route 50 - Northwest Turnpike
Area of Frye’s Flat
 2. County Route 7 – Ford Hill Road
 3. County Route 12 – South Fork Little Cacapon Road
 4. County Route 3 – Slanesville Pike
Area of Higginville
 5. County Route 50/9 – Little Cacapon Road
 6. CSX Main Railroad
- There are numerous roads on the Little Cacapon River that utilize fords for traversing the river – Turn Around - Don’t Drown must be strongly adhered too during these events!

D. Mill Creek Drainage Area

1. US Route 50 – Northwest Turnpike
Area of Junction and Mechanicsburg Gap
2. Route 220 – Purgitsville Pike
Area between Junction to Purgitsville

7.6 Critical Facilities

Hampshire County has planned well as many currently active critical facilities are located out of the Special Flood Hazard Area.

Office of Emergency Services and 911 Center:	Safe
Law Enforcement:	
West Virginia State Police Barracks:	Safe
Hampshire County Sheriff's Office:	
Romney:	Safe
Capon Bridge:	Safe
Fire and Emergency Services:	
Romney Fire:	Safe
Romney Rescue Squad:	Safe
Augusta Fire:	Safe
Augusta Rescue Squad:	Safe
Capon Bridge Fire:	Moderate Risk
Capon Bridge Rescue Squad:	At Risk
Slanesville Fire:	Safe
Springfield Fire:	At Risk
Springfield Fire Green Spring Sub:	Moderate Risk
Springfield Rescue Squad:	Safe
Levels Fire:	Safe
Capon Springs:	Moderate Risk
North River Fire:	High Risk
North River Fire Delray Sub:	Safe
Hampshire County Health Department:	At Risk
Hampshire County Planning Office:	Safe
Hampshire County Schools:	
Hampshire High School:	Safe
Romney Middle School:	Safe
Capon Bridge Middle School:	Safe
Capon Bridge Elementary:	Safe
Slanesville Elementary:	Safe
John J. Cornwell Elementary:	Safe
Romney Elementary:	Safe
Springfield Elementary:	Safe
Augusta Church of Christ (Evacuation Center):	Safe
US Army Reserve Center:	High Risk

Water and Wastewater:

Romney Water Plant:	Safe
Romney Wastewater Plant:	Safe
Capon Bridge Water Plant:	At Risk
Capon Bridge Wastewater Plant:	At Risk
Green Spring Wastewater Plant:	Moderate Risk
Green Spring Water Plant:	Moderate Risk
Central Hampshire Wastewater Plant:	High Risk
Hampshire County Economic Development:	High Risk

8.0 Dam failure Response Plan:

8.1 Introduction:

It is imperative that when addressing a flooding plan one takes into consideration dam failure as it could; one be the reason for the flood event or two help

Hampshire County does not have any substantial impoundments within its boundaries; there is however numerous smaller private impoundments that have to potential to cause localized flooding on a smaller scale. Three major dams are located in the State of Maryland that will significantly affect Hampshire County should one or all experience a failure. Dam failure should be considered a medium priority for Hampshire County and could have a significant impact. The Office of Emergency Services Director belongs to the Upper Potomac River Commission who does maintain a dam failure plan and the Maryland Emergency Management Agency monitors the dams.

Areas that would incur inundation by any of the major dams would be the communities of Green Spring, Okonoko, and Little Cacapon. Green Spring would incur the most losses including the potential loss of the low water toll bridge leading to Maryland. The Green Spring area may also lose water and sewer availability. There is also the potential loss of a Springfield Fire Company Sub-station, depending on the level of inundation and flow velocities.

Neither Romney nor Capon Bridge would experience losses due to any of the mayor dams failing.

8.2 Pre-Dam Failure

Highways: The West Virginia Department of Highways will plan and prepare for road closures according to the conditions expected.

The Hampshire County Planning Office will administer the Hampshire County Floodplain Ordinance, Stormwater Ordinance, and cooperates with all involved entities with the Hampshire County Floodplain Management Plan and Hazard Mitigation Plan.

The Hampshire County Department of Homeland Security and Emergency Management and Hampshire County 911 oversee the Continuity of Operations Plan and plans and operates emergency exercise drills for better preparedness.

Hampshire County Fire Departments prepares and practices emergency exercises in preparation for rescue and evacuation.

Central Hampshire Public Service District will try and maintain tanks to ensure water supplies to those not affected for 24 hours.

Hampshire County could investigate an impoundment maintenance ordinance requiring property owners to maintain headwalls and spillways on private impoundments.

8.3 During a Dam Failure Event

Hampshire County Department of Homeland Security and Emergency Management, Fire Departments, and Law Enforcement will coordinate evacuations.

Hampshire County Department of Homeland Security and Emergency Management will coordinate with West Virginia Department of Homeland Security and Emergency Management for any assistance needed.

The Hampshire County 911 Center will robo call affected areas for mandatory and voluntary evacuations through its Integrated Alert Warning System. This will also notify any cellular phone located within the area. This will be performed just prior to and throughout the event to ensure as many residents as possible reach safe areas.

Hampshire County Department of Homeland Security and Emergency Management will enact its Emergency Response Plan and Continuity of Operations Plan.

8.4 Post Dam Failure

The Hampshire County Planning Office will oversee and coordinate completion of damage assessments.

The Hampshire County Planning Office and Hampshire County Department of Homeland Security and Emergency Management will apply for grants and reimbursements.

The Hampshire County Planning Office will oversee the reconstruction/demolition of effected structures.

The Hampshire County Planning Office will oversee permit applications for all development. This may require a temporary moratorium while damage assessments are being completed.

The West Virginia Department of Highways will repair/replace damaged roads and bridges.

The West Virginia National Guard will assist with clean-up of flood debris.

The Hampshire County Department of Homeland Security and Emergency Management will oversee shelters and distribution of relief efforts.

Augusta Church of Christ, The American Red Cross and multiple other agencies will be contacted and activated to ease the burden of day to day life through utilization of shelters, temporary housing needs, food, water, and other necessities to sustain health, safety, and welfare of residents.

Law enforcement will secure affected areas to prevent further impacts on life and safety.

8.5 At Risk Roads and Railroads

Potomac River:

- 1. County Route 1 – Greenspring Valley Road
- 2. County Route 1/1 – Arnold Stickley Road
- 3. County Route 2/7 – Okonoko Road
- 4. Buck Road

CSX Main Railroad
South Branch Valley Railroad

8.6 Critical Facilities

Hampshire County has planned well as many currently active critical facilities are located out of the Special Flood Hazard Area.

Office of Emergency Services and 911 Center:	Safe
Law Enforcement:	
West Virginia State Police Barracks:	Safe
Hampshire County Sheriff’s Office:	
Romney:	Safe
Capon Bridge:	Safe
Fire and Emergency Services:	
Romney Fire:	Safe
Romney Rescue Squad:	Safe
Augusta Fire:	Safe
Augusta Rescue Squad:	Safe
Capon Bridge Fire:	Safe
Capon Bridge Rescue Squad:	Safe
Slanesville Fire:	Safe
Springfield Fire:	Safe
Springfield Fire Green Spring Sub:	At Risk
Springfield Rescue Squad:	Safe

Levels Fire:	Safe
Capon Springs:	Safe
North River Fire:	Safe
North River Fire Delray Sub:	Safe
Hampshire County Health Department:	Safe
Hampshire County Planning Office:	Safe
Hampshire County Schools:	
Hampshire High School:	Safe
Romney Middle School:	Safe
Capon Bridge Middle School:	Safe
Capon Bridge Elementary:	Safe
Slanesville Elementary:	Safe
John J. Cornwell Elementary:	Safe
Romney Elementary:	Safe
Springfield Elementary:	Safe
Augusta Church of Christ (Evacuation Center):	Safe
US Army Reserve Center:	Safe
Water and Wastewater:	
Romney Water Plant:	Safe
Romney Wastewater Plant:	Safe
Capon Bridge Water Plant:	Safe
Capon Bridge Wastewater Plant:	Safe
Green Spring Wastewater Plant:	High Risk
Green Spring Water Plant:	Moderate Risk
Central Hampshire Wastewater Plant:	Safe
Hampshire County Economic Development:	Safe

9.0 Wind Storm

9.1 Introduction

Windstorm is addressed due to the fact that it has the low potential to affect the Special Flood Hazard Area with debris jams that could escalate the impacts from flooding. Wind typically will be highest along the high slopes and hilltops. There is the potential for straight line winds, derecho winds, and tornados. Wind could impact electrical and telephone service, which in turn could affect large populations. This could become extremely burdensome in winter weather where large numbers of homes could potentially be without electric to heat homes. This in turn would initiate a response to open shelters for warming, food, and shelter.

Windstorm damage is hard to estimate, typically facilities and infrastructure at higher elevations would be considered at greatest risk, however straight line winds could occur anywhere

affecting even lower elevations and valleys. Tornadoes has historically been on ridge tops as the mountainous terrain somewhat protects the valleys.

9.2 Pre-Wind

Infrastructure such as communication towers should be designed to withstand greater design loads than minimum requirements.

Dead trees and snags should be removed if endangering structures and along highways. This should be performed in cooperation with the West Virginia Department of Highways and property owners along state maintained roads. Property owners should be made aware through a public outreach program how important private right-of-way maintenance should be given the loss of access by emergency services during a wind event due to down trees and debris.

Utilities should be encouraged when possible to install underground to mitigate damage incurred during a wind event. Above ground utilities should have a comprehensive and active maintenance plan to ensure rights-of-ways are clear of woody brush and trees that may disrupt service during or post event.

Debris that could become hazardous should be secured as to not become air born.

Citizens should be informed how hazardous and destructive trees and other hazards could be in close proximity to structures, becoming costly to repair, demo, or rebuilding after a wind event.

Drainage maintenance is also essential, even small wind events can create debris that can dam small tributaries and clog culverts creating to potential for flooding. Often wind events in the form of thunderstorms are accompanied by torrential rains.

9.3 During a wind event:

It is extremely important that only life threatening emergencies be responded to during a wind event!!!

High profile vehicles should find protection from wind due to the potential for roll over.

Citizens should stay indoors; wind born debris can cause serious bodily injury. In the case of a hurricane or tornado people should shelter in place and go to a basement or storm shelter preferably. If a basement or storm shelter is not available an interior room (a bathtub or interior door frame with structural support may offer the best protection from building collapse).

Hampshire County Office of Emergency Service will begin to assess needs according to reports being received to mobilize a response.

Fire responders and Power Company should be vigilant as downed energized lines may come in contact with combustible material. High winds could lead to potentially catastrophic fire hazards.

9.4 Post-Wind Event:

The West Virginia Department of Highways will clear debris from state maintained roads. This may be performed in cooperation with Fire and the West Virginia National Guard depending on the size of the event and potential for disaster declaration.

Residents and private contractors will clear debris from private roads.

Utility companies will clear and repair infrastructure such as electric and communication lines.

Homeowners, contractors and volunteers will secure damaged buildings with cooperation of the Hampshire County Planning Office to prevent greater losses incurred by exposure to elements and vandalism.

Law enforcement will secure affected areas to prevent further impacts on life and safety.

9.5 At risk roads and railroads:

All roads and railroads shall be considered at a high level of risk due to the nature of windstorms and the potential for damage in all areas.

9.6 Critical Facilities at risk:

Office of Emergency Services and 911 Center:	At Risk
Law Enforcement:	
West Virginia State Police Barracks:	Moderate Risk
Hampshire County Sheriff's Office:	
Romney:	Moderate Risk
Capon Bridge:	Moderate Risk
Fire and Emergency Services:	
Romney Fire:	Moderate Risk
Romney Rescue Squad:	Moderate Risk
Augusta Fire:	Moderate Risk
Augusta Rescue Squad:	Moderate Risk
Capon Bridge Fire:	Moderate Risk
Capon Bridge Rescue Squad:	Moderate Risk
Slanesville Fire:	Moderate Risk
Springfield Fire:	Moderate Risk
Springfield Fire Green Spring Sub:	Moderate Risk
Springfield Rescue Squad:	Moderate Risk

Levels Fire:	Moderate Risk
Capon Springs:	Moderate Risk
North River Fire:	Moderate Risk
North River Fire Delray Sub:	Moderate Risk
Hampshire County Health Department:	Moderate Risk
Hampshire County Planning Office:	Moderate Risk
Hampshire County Schools:	
Hampshire High School:	Moderate Risk
Romney Middle School:	Moderate Risk
Capon Bridge Middle School:	Moderate Risk
Capon Bridge Elementary:	Moderate Risk
Slanesville Elementary:	Moderate Risk
John J. Cornwell Elementary:	Moderate Risk
Romney Elementary:	Moderate Risk
Springfield Elementary:	Moderate Risk
Augusta Church of Christ (Evacuation Center):	Moderate Risk
US Army Reserve Center:	Moderate Risk
Water and Wastewater:	
Romney Water Plant:	Moderate Risk
Romney Wastewater Plant:	Moderate Risk
Capon Bridge Water Plant:	Moderate Risk
Capon Bridge Wastewater Plant:	Moderate Risk
Green Spring Wastewater Plant:	Moderate Risk
Green Spring Water Plant:	Moderate Risk
Central Hampshire Wastewater Plant:	Moderate Risk
Hampshire County Economic Development:	Moderate Risk
Communication Towers:	High Risk

10.0 Landslide/Mudslide

Landslide/Mudslide is addressed due to the terrain present in Hampshire County. The County has varying terrain that ranges from moderate (little to no grade) to steeply sloped. These areas of greater slope present the potential for a high susceptibility for slides to occur. Hampshire County has been fortunate that more of these have not occurred. The vast majority has been road cuts and those have been mitigated and remedied by the West Virginia Department of Highways. The high potential for slides could also exacerbate the potential for flooding.

10.1 Pre-Slide

Ensure through cooperation with the West Virginia Department of Environmental Protection that unstable soils are protected against erosion through best management practices.

Educate citizens on the importance of stabilizing highly erodible soils.

Ensure development occurring on venerable slopes is constructed in ways to mitigate the potential for slides.

Cooperate with The West Virginia Division of Forestry and the timber industry in the importance of stormwater runoff and the effects it could cause in relation to erosion, slides, and flooding.

Cooperate with the West Virginia Division of Highways about maintenance and construction of cuts and fills and the importance of soil stability.

10.2 During the Slide:

Slides may occur in many different ways: Which influence responses.

Immediate slide: This type may occur with little to no warning and last only a few seconds.

Very little can be done while the slide occurs from an emergency management standpoint. Response time, while at a minimum will still take longer than it takes for the slide to occur.

Prolonged slide: This type may occur over hours to weeks, slowly slipping.

Evacuation of people, possessions, even quite possibly homes may be possible.

Engineering design and mitigation may be possible from the standpoint of protecting vital infrastructure.

Roads may be closed to prevent accidents if the slide cannot be mitigated.

Excavation may be possible to reduce impacts of the slide.

Alternative routes could be pursued to avoid isolating affected populations.

10.3 Post Slide:

West Virginia Department of Highways and West Virginia National Guard may be activated to clear roads.

Private citizens and contractors may clear private roads after all clear is granted.

Utilities will be activated to clear and repair any affected utilities.

Damage assessments may be required for affected structures, with cooperation of the Hampshire County Assessor's Office and Hampshire County Planning Office.

Rivers and Streams, with the cooperation of The Army Corps of Engineers, West Virginia Department of Environmental Protection, West Virginia Department of Natural Resources, FEMA, and the Hampshire County Planning Office will be repaired if impacted to mitigate the possibility of flooding.

10.4 At Risk Roads:

All State maintained and private roads that involve cuts, fills, or adjacent to slopes may experience a slide.

10.5 Critical Facilities

Office of Emergency Services and 911 Center: Safe

Law Enforcement:

West Virginia State Police Barracks: Safe

Hampshire County Sheriff's Office:

Romney: Safe

Capon Bridge: Safe

Fire and Emergency Services:

Romney Fire: Moderate Risk

Romney Rescue Squad: Safe

Augusta Fire: Safe

Augusta Rescue Squad: Safe

Capon Bridge Fire: Safe

Capon Bridge Rescue Squad: Safe

Slanesville Fire: Safe

Springfield Fire: Safe

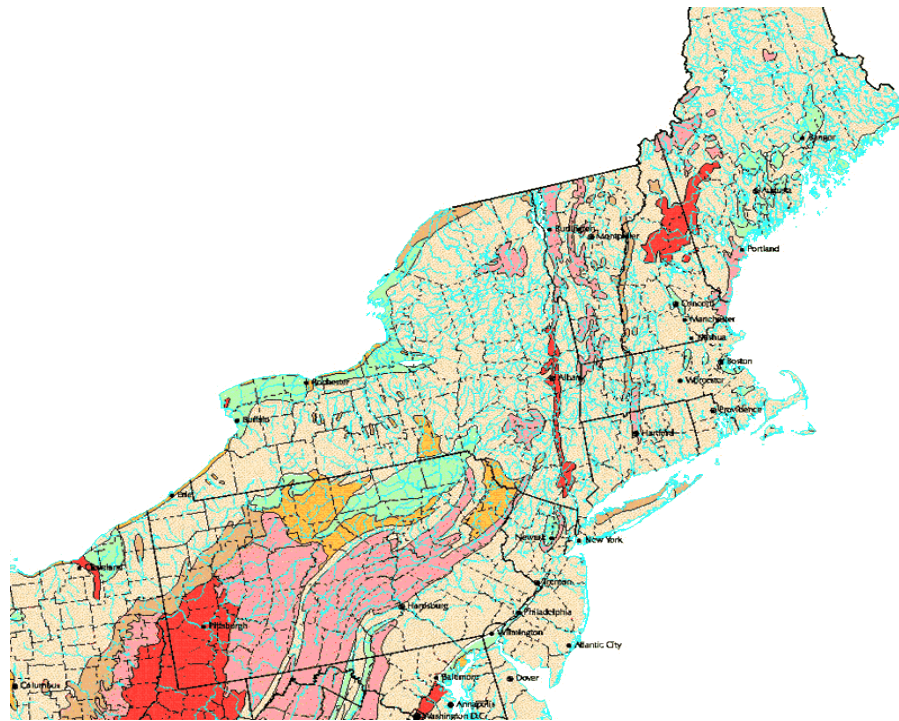
Springfield Fire Green Spring Sub: Safe

Springfield Rescue Squad: Safe

Levels Fire: Safe

Capon Springs: Moderate Risk

North River Fire:	Safe
North River Fire Delray Sub:	Safe
Hampshire County Health Department:	Safe
Hampshire County Planning Office:	Safe
Hampshire County Schools:	
Hampshire High School:	Safe
Romney Middle School:	Safe
Capon Bridge Middle School:	Safe
Capon Bridge Elementary:	Safe
Slanesville Elementary:	Safe
John J. Cornwell Elementary:	Safe
Romney Elementary:	Safe
Springfield Elementary:	Safe
Augusta Church of Christ (Evacuation Center):	Safe
US Army Reserve Center:	At Risk
Water and Wastewater:	
Romney Water Plant:	Safe
Romney Wastewater Plant:	Safe
Capon Bridge Water Plant:	At Risk
Capon Bridge Wastewater Plant:	Safe
Green Spring Wastewater Plant:	Safe
Green Spring Water Plant:	Moderate Risk
Central Hampshire Wastewater Plant:	At Risk
Hampshire County Economic Development:	At Risk



• **Landslide Incidence**



Low (less than 1.5% of area involved)



Moderate (1.5%-15% of area involved)



High (greater than 15% of area involved)



Moderate susceptibility/low incidence



High susceptibility/low incidence



High susceptibility/moderate incidence

USGS Land Subsidence Map

Implementation, Evaluation, and Revisions:

This plan shall be implemented upon adoption by the Hampshire County Commission.
Evaluation shall be performed every five years; evaluation should also be performed should an event occur that would require alteration of this plan.
Revisions shall occur at a maximum every five years.

Approved by Hampshire County Commission:

_____ Date

Robert Q. Hott, President, Hampshire County Commission

Attest: Eric Strite, Hampshire County, County Clerk

5.0 APPENDICES

The appendices included in this plan are the following.

Appendix 1: Source Data

Appendix 2: Process and Participation

Appendix 3: Inactive Projects

Appendix 4: Hampshire County Floodplain Management Plan

Appendix 5: Citations

Appendix 6: Adopting Resolutions (to be added when plan is approved)

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APPENDIX 6

ADOPTING RESOLUTIONS