

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PP15 (BRADY RET 0001)

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Linda S. Bower
TITLE: Hazard Red Planner/ Township Secretary
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Map 108)

Lat/Long 41 10 33.13N, -76 57 9.50W

Parcel ID: 04-410-101.Z FMV: \$33,870 Photo not available

Elevation certificate Y

Flood Insurance claims filed **Date of verification** _____

BRIEF DESCRIPTION OF PROJECT:

The flood prone Brady Community Center would have utility or structure elevation to raise all utilities above the Base Flood Elevation. Decision as to which alternative to implement would be based on the most cost effective means for damage reduction.

Estimated Project Cost: \$ 35,000

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This structure has been damaged several times. Elevation of the structure or utilities would reduce flood insurance claims and disruption to community activities.

COMMUNITY RANKING SCORE: Brady Township Priority 1; Countywide Priority 2:15

Note: Photo not in database.

Project: PP15
(BRADY RET 0001)

Street Address: Elimsport Rd.
Parcel ID: 04-410-101.Z
Lat/Long bldg dot: 41 10 33.13 N, -76 57 9.50 W
FMV: \$33,870

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PP16 (MONTG ACQ 0001)

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Walter Bohner
TITLE: Hazard Red Planner/ Permit Officer
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Map 53) and Photo Pages

Elevation unknown

certificate N

Flood Insurance unknown

Date of verification _____

BRIEF DESCRIPTION OF PROJECT:

This project would involve the acquisition and demolition of a deteriorated industrial complex located in the 100 year floodplain. The structure is in danger of collapse and may contain hazardous material. Land area is 9.71 acres entirely within the 100 year flood plain. The Borough would like to use the parcel as part of a municipal park restricted by open space deed restrictions.

Estimated Project Cost: \$ 300,000

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This deteriorating structure would eventually collapse in a high water event posing dangers downstream as well as to the immediate environs. The high probability of pollution reported by the community could contaminate water and soil in the area. Open space restrictions would prevent further flood prone development on 9.71 acres....a significant parcel size to protect in a Borough setting.

COMMUNITY RANKING SCORE: Montgomery Priority 1/Countywide Priority 2:16

Project: PP16
(MONTG ACQ 0001)



Street Address: 125 Montgomery St.

Parcel ID: 35-006-215

Lat/Long bldg dot: 41 10 23.61 N, -76 52 7.83 W

FMV: \$82,690

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PP17 (MONTG ACQ 0002)

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Walter Bohner
TITLE: Hazard Red Planner/ Permit Officer
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 38, 51) and Photo Pages

Elevation unknown **certificate** N

Flood Insurance unknown **Date of verification** _____

BRIEF DESCRIPTION OF PROJECT:

This project would involve the acquisition and demolition of 21-25-26 W Houston Ave., Montgomery.

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

These homes located next to Black Hole Creek have received water damage many times in the past 40 years. The most recent events were in 1996 and 2000. Demolition of these homes would reduce regular displacement of 7 families in time of high water.

Estimated Project Cost: \$ 235,000

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Montgomery Priority 3/Countywide Priority 2:17

Project: PP17
(MONTG ACQ 0002)



Street Address: 26 W. Houston Ave.
Parcel ID: 35-001-231
Lat/Long bldg dot: 41 10 12.32 N, -76 52 40.68 W
FMV: \$55,710



Street Address: 21 W. Houston Ave.
Parcel ID: 35-002-115
Lat/Long bldg dot: 41 10 11.91 N, -76 52 39.23 W
FMV: \$62,020



Street Address: 25 W. Houston Ave.
Parcel ID: 35-002-116
Lat/Long bldg dot: 41 10 11.60 N, -76 52 39.99 W
FMV: \$81,860

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PP18 (LOYACQ 0001)

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Joe Girardi
TITLE: Hazard Red Planner/ Permit Officer
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 28, 109-111) and Photo Pages

Elevation unknown

certificate N

Flood Insurance unknown

Date of verification _____

BRIEF DESCRIPTION OF PROJECT:

This project would involve the acquisition and demolition of residential structures in the floodway of Lycoming Creek. Fifteen primary structures have been designated in the Leona Lane, Creekside Lane, and the southern end of Heshbon Road areas of Heshbon and the area between Liberty Drive and Lycoming Creek east of Lycoming Creek Road. Previous HMGP acquired properties in this area would be combined with acquisitions from LOY ACQ 0001 to develop a municipal recreation area restricted by open space deed restrictions.

Estimated Project Cost: \$ 1,276,590

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The Heshbon area is generally hard hit when Lycoming Creek overflows its banks. Removal of these properties would reduce flood losses and reduce evacuation dangers. This area is within the study area for the Lower Lycoming Creek Flood Damage Reduction Project. Acquisition and demolition of these structures has potential to reduce costs in this project. If through the Feasibility Study, a means of structural protection is identified, this would be considered the preferred alternative by the Township. However, if this is not the case, acquisition and demolition could be a beneficial contingency.

COMMUNITY RANKING SCORE: Loyalsock Priority Contingency Plan for Priority 2/Countywide Priority 2:18 (This project would move up the ranks if the Low Lycoming Project does not offer protection for this area.)

Project: PP18
(LOY ACQ 0001)



*Street Address: 2885 Leona Lane
Parcel ID: 26-021-901
Lat/Long bldg dot: 41 16 57.68 N, -77 3 36.73 W
FMV: \$62,430*



*Street Address: 2863 Leona Lane
Parcel ID: 26-021-906
Lat/Long bldg dot: 41 16 53.49 N, -77 3 40.52 W
FMV: \$71,210*



*Street Address: 2881 Leona Lane
Parcel ID: 26-021-902
Lat/Long bldg dot: 41 16 57.02 N, -77 3 37.36 W
FMV: \$75,920*



*Street Address: 2410 Heshbon Rd.
Parcel ID: 26-023-102
Lat/Long bldg dot: 41 16 6.18 N, -77 2 58.52 W
FMV: \$98,440*



*Street Address: 2878 Leona Lane
Parcel ID: 26-021-903
Lat/Long bldg dot: 41 16 56.47 N, -77 3 38.21 W
FMV: \$65,280*



*Street Address: 2420 Heshbon Rd.
Parcel ID: 26-023-106
Lat/Long bldg dot: 41 16 6.79 N, -77 3 0.61 W
FMV: \$93,000*



*Street Address: 2869 Leona Lane
Parcel ID: 26-021-905
Lat/Long bldg dot: 41 16 54.48 N, -77 3 39.62 W
FMV: \$90,900*



*Street Address: Lycoming Creek Rd.
Parcel ID: 26-023-303
Lat/Long bldg dot: 41 16 5.42 N, -77 2 41.95 W
FMV: \$60,240*

Italic text designates repetitive-loss properties

Project: PP18
(LOY ACQ 0001)



*Street Address: 2647 Armanda Rd.
Parcel ID: 26-329-173
Lat/Long bldg dot: 41 16 31.10 N, -77 3 30.24 W
FMV: \$65,610*



*Street Address: 2795 Creekside Lane
Parcel ID: 26-329-182
Lat/Long bldg dot: 41 16 35.65 N, -77 3 36.06 W
FMV: \$92,700*



*Street Address: 2777 Creekside Lane
Parcel ID: 26-329-177
Lat/Long bldg dot: 41 16 33.03 N, -77 3 32.35 W
FMV: \$61,370*



*Street Address: 2839 Grimes Lane
Parcel ID: 26-329-185
Lat/Long bldg dot: 41 16 45.81 N, -77 3 44.29 W
FMV: \$71,720*



*Street Address: 2783 Creekside Lane
Parcel ID: 26-329-178
Lat/Long bldg dot: 41 16 33.37 N, -77 3 32.96 W
FMV: \$33,810*



*Street Address: 2855 Leona Lane
Parcel ID: 26-329-186
Lat/Long bldg dot: 41 16 49.50 N, -77 3 42.82 W
FMV: \$41,620*



*Street Address: 2791 Creekside Lane
Parcel ID: 26-329-180
Lat/Long bldg dot: 41 16 34.17 N, -77 3 34.33 W
FMV: \$51,900*

Italic text designates repetitive-loss properties

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PP19 (LOYRET 0001)

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Joe Gerardi
TITLE: Hazard Red Planner/ Permit Officer
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 109, 111-113) and Photo Pages

Elevation unknown

certificate N

Flood Insurance unknown

Date of verification _____

BRIEF DESCRIPTION OF PROJECT:

This project would involve retrofitting utilities in 28 residential structures in the floodway fringe of Lycoming Creek. (One of these structures is on the boundary of the floodway and floodway fringe). These flood prone structures would have utility or structure elevation to raise all utilities above the Base Flood Elevation. Decision on which alternative to implement would be based on the most cost effective means for damage reduction. This project would complement LOY ACQ 0001 which would remove the hardest hit structures from the floodway in the Lycoming Creek area.

Estimated Project Cost: \$ 700,000 (It is estimated that there would be about 14 property owners from the 28 designated property owners that would voluntarily apply, provide a portion of the local share and follow through with the program.)

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: in part from property owner

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Retrofitting of the utilities in these properties that are less vulnerable than those designated for acquisition would complement LOY ACQ 000. Working together, these projects could greatly reduce flood losses in the portion of Loyalsock Township within the Lycoming Creek Watershed. This area is within the study area for the Lower Lycoming Creek Flood Damage Reduction Project. Elevation of these structures or their utilities has potential to reduce costs in this project. If, through the Feasibility Study, a means of structural protection is identified, the Township would consider it the preferred alternative. However, if this is not the case, retrofitting could be a beneficial contingency.

COMMUNITY RANKING SCORE:

Loyalsock Priority Contingency Plan for Priority 3/Countywide Priority 2:19 (This project would move up the ranks if the Lower Lycoming Creek FDR does not provide protection for these properties.)

Project: PP19
(LOY RET 0001) Floodway



Street Address: 2010 Hays Lane

Parcel ID: 26-329-162

Lat/Long bldg dot: 41 16 28.84 N, -77 3 17.47 W

FMV: \$78,750

Project: PP19
(LOY RET 0001) Flood Fringe/General Floodplain



Street Address: 3007 Lycoming Creek Rd.
Parcel ID: 26-021-300
Lat/Long bldg dot: 41 17 8.73 N, -77 3 18.97 W
FMV: \$153,680



Street Address: 2950 Heshbon Rd.
Parcel ID: 26-021-305
Lat/Long bldg dot: 41 17 5.12 N, -77 3 25.70 W
FMV: \$111,490



Street Address: 2925 Woodruff Ave.
Parcel ID: 26-021-302
Lat/Long bldg dot: 41 17 4.40 N, -77 3 22.00 W
FMV: \$114,670



Street Address: 2940 Heshbon Rd.
Parcel ID: 26-021-306
Lat/Long bldg dot: 41 17 3.92 N, -77 3 28.05 W
FMV: \$110,450



Street Address: 2937 Woodruff Ave.
Parcel ID: 26-021-302.A
Lat/Long bldg dot: 41 17 5.39 N, -77 3 22.59 W
FMV: \$86,590



Street Address: 2932 Bon Lane
Parcel ID: 26-021-308
Lat/Long bldg dot: 41 17 0.95 N, -77 3 26.74 W
FMV: \$63,590



Street Address: 2960 Heshbon Rd.
Parcel ID: 26-021-304
Lat/Long bldg dot: 41 17 7.23 N, -77 3 23.68 W
FMV: \$81,050



Street Address: Rear Heshbon Lane
Parcel ID: 26-021-309
Lat/Long bldg dot: 41 17 0.71 N, -77 3 25.42 W
FMV: \$44,450

Project: PP19
(LOY RET 0001) Flood Fringe/General Floodplain



Street Address: 2928 Bon Lane
Parcel ID: 26-021-310
Lat/Long bldg dot: 41 16 59.61 N, -77 3 24.98 W
FMV: \$59,210



Street Address: 2995 Heshbon Rd.
Parcel ID: 26-021-404
Lat/Long bldg dot: 41 17 10.45 N, -77 3 20.12 W
FMV: \$99,230



Street Address: 2990 Heshbon Rd.
Parcel ID: 26-021-401
Lat/Long bldg dot: 41 17 9.11 N, -77 3 20.87 W
FMV: \$129,640



Street Address: 2900 McKinney St.
Parcel ID: 26-021-604
Lat/Long bldg dot: 41 16 54.33 N, -77 3 30.66 W
FMV: \$47,260



Street Address: 2980 Heshbon Rd.
Parcel ID: 26-021-402
Lat/Long bldg dot: 41 17 7.86 N, -77 3 22.21 W
FMV: \$83,910



Street Address: 2001 Hays Lane
Parcel ID: 26-022-420
Lat/Long bldg dot: 41 16 29.43 N, -77 3 14.07 W
FMV: \$67,760



Street Address: 1950 Thomas St.
Parcel ID: 26-021-403
Lat/Long bldg dot: 41 17 7.55 N, -77 3 20.62 W
FMV: \$55,690



Street Address: 2005 Hays Lane
Parcel ID: 26-022-421
Lat/Long bldg dot: 41 16 28.76 N, -77 3 15.11 W
FMV: \$89,860

Project: PP19
(LOY RET 0001) Flood Fringe/General Floodplain



Street Address: 1826 Liberty Dr.
Parcel ID: 26-023-202
Lat/Long bldg dot: 41 16 11.69 N, -77 2 48.43 W
FMV: \$97,030



Street Address: 1810 Liberty Dr.
Parcel ID: 26-023-206
Lat/Long bldg dot: 41 16 14.70 N, -77 2 44.99 W
FMV: \$89,810



Street Address: 1822 Liberty Dr.
Parcel ID: 26-023-203
Lat/Long bldg dot: 41 16 12.26 N, -77 2 47.35 W
FMV: \$81,260



Street Address: 1801 Liberty Dr.
Parcel ID: 26-023-300
Lat/Long bldg dot: 41 16 14.77 N, -77 2 42.67 W
FMV: \$52,800



Street Address: 1818 Liberty Dr.
Parcel ID: 26-023-204
Lat/Long bldg dot: 41 16 12.86 N, -77 2 46.43 W
FMV: \$99,270



Street Address: 1811 Liberty Dr.
Parcel ID: 26-023-301
Lat/Long bldg dot: 41 16 13.15 N, -77 2 43.74 W
FMV: \$77,710



Street Address: 1814 Liberty Dr.
Parcel ID: 26-023-205
Lat/Long bldg dot: 41 16 13.89 N, -77 2 45.22 W
FMV: \$73,430



Street Address: 2000 Hays Lane
Parcel ID: 26-329-163
Lat/Long bldg dot: 41 16 30.61 N, -77 3 14.97 W
FMV: \$81,640

Project: PP19
(LOY RET 0001) Flood Fringe/General Floodplain



Street Address: 2009 Hays Lane
Parcel ID: 26-329-165.D
Lat/Long bldg dot: 41 16 28.09 N, -77 3 15.99 W
FMV: \$75,400



Street Address: 1872 Log Run Rd.
Parcel ID: 26-329-211
Lat/Long bldg dot: 41 17 15.09 N, -77 3 15.32 W
FMV: \$43,300



Street Address: 1860 Log Run Rd.
Parcel ID: 26-329-213
Lat/Long bldg dot: 41 17 17.14 N, -77 3 13.88 W
FMV: \$76,610

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PP20 (MONTOR RET 0001)

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Dennis Holt
TITLE: Hazard Red Planner/ Borough Manager
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 114-115) and Photo Pages

Elevation being determined in US ACE Project certificate N

Flood Insurance unknown **Date of verification** _____

BRIEF DESCRIPTION OF PROJECT:

This project would involve elevating utilities near Broad Street, Mill Street and Church Alley in the Borough of Montoursville. This project involves elevating utilities in 20 flood fringe residences and businesses. Forty-one structures are presented here as potential for retrofitting programs. These flood prone structures would have utility or structure elevation to raise all utilities above the Base Flood Elevation. Decision on which alternative to implement for each structure would be based on the most cost effective means for damage reduction. This project would be implemented in the event that the US ACE Montoursville Levee Feasibility Study does not indicate the need for a structural flood control project in the Borough.

Estimated Project Cost: \$ 750,000

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This Borough sits at the confluence of Loyalsock Creek and the West Branch of the Susquehanna. In addition to many historic homes, Montour Oil Company and portions of the Greater Montoursville Airport sit within the floodway fringe. This project would reduce damages to these homes and businesses allowing earlier return to use of the structures.

COMMUNITY RANKING SCORE: Montoursville Priority Contingency Plan for Priority 1/Countywide Priority 2:20 (This project would move up the ranks if the levee is not feasible.)

Project: PP20
(MONTO RET 0001)



Street Address: 258 Broad St.
Parcel ID: 33-001-402
Lat/Long bldg dot: 41 14 58.75 N, -76 55 42.96 W
FMV: \$146,140



Street Address: 234 Broad St.
Parcel ID: 33-001-407
Lat/Long bldg dot: 41 14 59.47 N, -76 55 47.07 W
FMV: \$62,850



Street Address: 252 Broad St.
Parcel ID: 33-001-403
Lat/Long bldg dot: 41 14 59.08 N, -76 55 43.86 W
FMV: \$168,110



Street Address: 227 Church Alley
Parcel ID: 33-001-408
Lat/Long bldg dot: 41 14 59.51 N, -76 55 47.65 W
FMV: \$182,880



Street Address: 244 Broad St.
Parcel ID: 33-001-405
Lat/Long bldg dot: 41 14 59.18 N, -76 55 45.45 W
FMV: \$121,580



Street Address: 224 Broad St.
Parcel ID: 33-001-410
Lat/Long bldg dot: 41 14 59.55 N, -76 55 48.11 W
FMV: \$110,390



Street Address: 240 Broad St.
Parcel ID: 33-001-406
Lat/Long bldg dot: 41 14 59.28 N, -76 55 46.23 W
FMV: \$114,560



Street Address: 220 Broad St.
Parcel ID: 33-001-411
Lat/Long bldg dot: 41 14 59.72 N, -76 55 48.71 W
FMV: \$66,990

Project: PP20
(MONTO RET 0001)



Street Address: 218 Broad St.
Parcel ID: 33-001-412
Lat/Long bldg dot: 41 14 59.82 N, -76 55 49.46 W
FMV: \$74,420



Street Address: 198 Broad St.
Parcel ID: 33-001-417
Lat/Long bldg dot: 41 15 0.13 N, -76 55 52.70 W
FMV: \$59,150



Street Address: 216 Broad St.
Parcel ID: 33-001-413
Lat/Long bldg dot: 41 14 59.85 N, -76 55 50.06 W
FMV: \$94,950



Street Address: 196 Broad St.
Parcel ID: 33-001-418
Lat/Long bldg dot: 41 15 0.13 N, -76 55 52.92 W
FMV: \$58,960



Street Address: 212 Broad St.
Parcel ID: 33-001-414
Lat/Long bldg dot: 41 14 59.73 N, -76 55 50.70 W
FMV: \$95,820



Street Address: 190 Broad St.
Parcel ID: 33-001-419
Lat/Long bldg dot: 41 14 59.86 N, -76 55 54.51 W
FMV: \$314,790



Street Address: 208 Broad St.
Parcel ID: 33-001-415
Lat/Long bldg dot: 41 14 59.88 N, -76 55 51.30 W
FMV: \$53,560



Street Address: 128 Broad St.
Parcel ID: 33-001-420
Lat/Long bldg dot: 41 15 0.45 N, -76 55 56.35 W
FMV: \$298,350

Project: PP20
(MONTORRET 0001)



Street Address: 120 Broad St.
Parcel ID: 33-001-421
Lat/Long bldg dot: 41 15 0.18 N, -76 55 58.06 W
FMV: \$497,000



Street Address: Mill St.
Parcel ID: 33-001-425
Lat/Long bldg dot: 41 14 56.90 N, -76 56 3.21 W
FMV: \$78,900



Street Address: 114 Broad St.
Parcel ID: 33-001-422
Lat/Long bldg dot: 41 15 0.62 N, -76 55 59.88 W
FMV: \$779,240



Street Address: 220 Church Alley
Parcel ID: 33-001-427
Lat/Long bldg dot: 41 14 56.60 N, -76 55 49.44 W
FMV: \$90,230



Street Address: 29 Mill St.
Parcel ID: 33-001-423
Lat/Long bldg dot: 41 14 59.17 N, -76 56 2.54 W
FMV: \$65,740



Street Address: 226 Church Alley
Parcel ID: 33-001-428
Lat/Long bldg dot: 41 14 56.43 N, -76 55 48.45 W
FMV: \$74,760



Street Address: 41 Mill St.
Parcel ID: 33-001-424
Lat/Long bldg dot: 41 14 57.97 N, -76 56 3.50 W
FMV: \$91,700



Street Address: 228 Church Alley
Parcel ID: 33-001-428.A
Lat/Long bldg dot: 41 14 56.45 N, -76 55 47.58 W
FMV: \$79,940

Project: PP20
(MONTO RET 0001)



Street Address: 100 Cherry Alley
Parcel ID: 33-001-429
Lat/Long bldg dot: 41 14 56.90 N, -76 55 44.93 W
FMV: \$87,010



Street Address: 121 Broad St.
Parcel ID: 33-002-103
Lat/Long bldg dot: 41 15 2.28 N, -76 55 57.36 W
FMV: \$215,140



Street Address: 251 Jordan Ave.
Parcel ID: 33-001-500
Lat/Long bldg dot: 41 14 55.76 N, -76 55 44.11 W
FMV: \$61,870



Street Address: 145 Broad St.
Parcel ID: 33-002-105
Lat/Long bldg dot: 41 15 2.23 N, -76 55 54.32 W
FMV: \$85,040



Street Address: 255 Jordan Ave.
Parcel ID: 33-001-501
Lat/Long bldg dot: 41 14 55.66 N, -76 55 43.41 W
FMV: \$66,240



Street Address: 155 Broad St.
Parcel ID: 33-002-106
Lat/Long bldg dot: 41 15 1.82 N, -76 55 52.72 W
FMV: \$65,600



Street Address: 259 Jordan Ave.
Parcel ID: 33-001-502
Lat/Long bldg dot: 41 14 55.66 N, -76 55 42.84 W
FMV: \$83,150



Street Address: 201 Broad St.
Parcel ID: 33-002-107
Lat/Long bldg dot: 41 15 1.39 N, -76 55 51.60 W
FMV: \$101,850

Project: PP20
(MONTORRET 0001)



Street Address: 205 Broad St.
Parcel ID: 33-002-108
Lat/Long bldg dot: 41 15 1.21 N, -76 55 50.92 W
FMV: \$58,630



Street Address: 221 Broad St.
Parcel ID: 33-002-111
Lat/Long bldg dot: 41 15 1.04 N, -76 55 48.55 W
FMV: \$103,580



Street Address: 209 Broad St.
Parcel ID: 33-002-109
Lat/Long bldg dot: 41 15 1.66 N, -76 55 50.35 W
FMV: \$85,490



Street Address: 223 Broad St.
Parcel ID: 33-002-112
Lat/Long bldg dot: 41 15 0.85 N, -76 55 48.12 W
FMV: \$50,730



Street Address: 217 Broad St.
Parcel ID: 33-002-110
Lat/Long bldg dot: 41 15 1.12 N, -76 55 49.56 W
FMV: \$144,700



Street Address: 227 Broad St.
Parcel ID: 33-002-113
Lat/Long bldg dot: 41 15 0.88 N, -76 55 47.46 W
FMV: \$67,570



Street Address: 231 Broad St.
Parcel ID: 33-002-114
Lat/Long bldg dot: 41 15 0.72 N, -76 55 46.84 W
FMV: \$73,530

Project: PP20
(MONTORRET 0001)



Street Address: 233 Broad St.
Parcel ID: 33-002-114.A
Lat/Long bldg dot: 41 15 0.60 N, -76 55 46.60 W
FMV: \$61,050



Street Address: 251 Broad St.
Parcel ID: 33-002-119
Lat/Long bldg dot: 41 15 0.14 N, -76 55 42.76 W
FMV: \$114,980



Street Address: 243 Broad St.
Parcel ID: 33-002-115
Lat/Long bldg dot: 41 15 0.82 N, -76 55 45.61 W
FMV: \$214,900



Street Address: 255 Broad St.
Parcel ID: 33-002-120
Lat/Long bldg dot: 41 15 0.15 N, -76 55 42.25 W
FMV: \$119,660



Street Address: 245 Broad St.
Parcel ID: 33-002-116
Lat/Long bldg dot: 41 15 0.46 N, -76 55 44.39 W
FMV: \$81,290



Street Address: 155 Crawford Alley
Parcel ID: 33-002-700
Lat/Long bldg dot: 41 15 4.28 N, -76 55 51.75 W
FMV: \$90,970



Street Address: 249 Broad St.
Parcel ID: 33-002-117
Lat/Long bldg dot: 41 15 0.21 N, -76 55 43.52 W
FMV: \$77,940



Street Address: Lloyd Alley
Parcel ID: 33-002-706
Lat/Long bldg dot: 41 15 13.89 N, -76 55 43.16 W
FMV: \$103,360

Italic text designates repetitive-loss properties

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PP21 (LOY RET 0002)

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Joe Gerardi
TITLE: Hazard Red Planner/ Permit Officer
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Map 116) and Photo Pages

Elevation unknown

certificate N

Flood Insurance unknown

Date of verification _____

BRIEF DESCRIPTION OF PROJECT:

This project would involve the elevation of utilities or structures of six residential structures in the floodway and floodway fringe of Loyalsock Creek. Three of the structures are on one parcel on Barney's Drive. These six residential structures sit on the bank of Loyalsock Creek across the Broad Street Bridge from the Montoursville Levee Project.

Estimated Project Cost: \$ 150,000

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Four of these structures are repetitive loss. Removal of these properties would reduce flood insurance losses. This project is a contingency project based on the outcome of the US ACE Montoursville Levee Project. If the levee project is completed, the railroad bridge may be removed, possibly lowering flood elevations in the Barney's Drive area. Once that project is completed, there may still be a need for further elevation of these structures or their utilities.

COMMUNITY RANKING SCORE:

Loyalsock Priority Contingency Plan for Priority 5/Countywide Priority 2:21

(This project would move up the ranks if removal of the railroad bridge is not feasible.)

Project: PP21
(LOY ACQ 0002)



Street Address: 2986 Barneys Dr.
Parcel ID: 26-004-200
Lat/Long bldg dot: 41 1459.14 N, -76 56 11.20 W
FMV: \$78,290



Street Address: 2974 Barneys Dr.
Parcel ID: 26-004-200.A
Lat/Long bldg dot: 41 14 58.98 N, -76 56 11.99 W
FMV: \$79,330



Street Address: 2984 Barneys Dr.
Parcel ID: 26-004-202
Lat/Long bldg dot: 41 14 6.87 N, -76 56 10.77 W
FMV: \$98,230

*Parcel ID: 26-004-204.C
FMV: \$260,330
(3 structures on same parcel)*



*Street Address: 2970 Barneys Dr.
Lat/Long bldg dot: 41 14 55.32 N, -76 56 15.29 W*



*Street Address: 2968 Barneys Dr.
Lat/Long bldg dot: 41 14 56.40 N, -76 56 15.95 W*



*Street Address: 2964 Barneys Dr.
Lat/Long bldg dot: 41 14 55.57 N, -76 56 13.86 W*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 2: NRP3*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Adopt a Countywide Stormwater Management Ordinance and advocate Best Management Practices (BMPs) with quantity and rate.

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The County will adopt a Comprehensive Stormwater Management Ordinance and develop a model ordinance for local municipalities to use.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 2: ES 1*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

County Emergency Operations Center (EOC) Expansion

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

It has been proven by past exercises and actual emergency events, that the County Emergency Operations Center (EOC) is much too small to conduct total coordinated operations from the one room. An actual event can bring over fifty persons to the facility to handle the many aspects of the emergency. The 400 square foot room used for the coordination of this emergency support staff is only large enough to house about one-fourth of them.

It is the desire of the County Emergency Management Agency that the current Emergency Operations Center coordination room be enlarged to five or six times its current size to accommodate the entire staff and associated computer and audio/video equipment. This would allow staff to establish Emergency Support Staff (ESFs) functions according to the National Incident Management System (NIMS) and corresponds to the requirements of the National Response Plan (NRP). Preliminary cost estimates have been reduced to roughly \$750,000 with the County providing a significant portion of the labor.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 2: ES 26*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Develop continuity of government plans for the County and other levels of government.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The Continuity of Government Plan for the County of Lycoming should be continued. Follow-through on the draft plan has been hampered by lack of available funding. The plan should be completed and cost effective means sought to follow-through including seeking outside funding to increase preparedness. Local municipalities are encouraged to develop similar plans.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 2: ES 27*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Develop emergency plans for maintaining operations at critical facilities (hospitals, police, fire).

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Most hospitals are supplied with backup electricity connections. In the event of a power failure, hospitals can maintain operations with emergency generators. Hospitals have little control, however, over the local road network. If gale force winds down trees, blocking primary routes to local hospitals, response times may be lengthened. In response to severe weather, municipalities should make every effort to maintain established emergency routes. It is recommended that each municipality identify its emergency routes that provide access to critical facilities. The Federal Emergency Management Agency (FEMA) provides post-disaster funding to municipalities for temporary clearance of these "lifelines." Furthermore, these roads may be eligible for federal aid from the Federal Highway Administration (FHWA). The FHWA provides funding to repair roads and bridges within the federal aid system that have been damaged by natural hazards.

Muncy Valley Campus of the Susquehanna Health System is located mostly in the 500-year flood plain. However a portion is in the 100-year floodplain. Although water has not entered the first floor of the facility, basement water is not unusual. The heating plant, etc. is in the basement. If the utilities in this facility were elevated to above the 100-year floodplain, return to the facility after a major flood event would be less expensive and more immediate.

*PEMA's guide, Disaster Preparedness Planning for Facilities available at <http://www.pema.state.pa.us> provides an excellent framework for development of emergency plans. See **Map Series 3** for the GIS layer of road closures for use in evacuation planning. This layer is based on testimony of road foremen, EMA Coordinators, and Township Supervisors using their experience with major flood events. Elevation data on road elevations is not currently available.*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*
COMMUNITY RANKING SCORE: *Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: Countywide 2:PA7

PROJECT CONTACT

NAME: Mary Ellen Rodgers

TITLE: Hazard Red Planner

AGENCY: County of Lycoming

ADDRESS: 48 West Third St, Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: Countywide

Elevation NA certificate NA

Flood Insurance NA Date of verification

BRIEF DESCRIPTION OF PROJECT:

Amend ordinances to prohibit or regulate the development of new flood prone campgrounds and to provide for public safety concerns in existing facilities.

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

*The best cure is prevention. By amending ordinances to limit this hazard, existing uses become "non-conforming," which gives the advantage of allowing limits to be placed on future expansion. The health and safety provisions of most ordinances allow for provisions to be incorporated that can be applied to existing campgrounds. Frequently campgrounds pre-date permitting requirements as well as the NFIP. However, the health and safety provisions of most ordinances allow for provisions to be incorporated that can be applied to existing campgrounds. Evacuation plans fall within this realm. These evacuation plans at a minimum should assure that should there be an imminent danger of flooding: all units will be removed from the floodplain within the flood warning times specified in **Table 12** located in Section 3.5.3 i of this document or by another legitimate standard; by whom they will be evacuated; the temporary storage site that will be utilized for such evacuation purposes; a back-up or contingency plan; contact information of all parties that are a part of the plan; and a means to prevent flood waters from being contaminated by waste water systems or from materials and substances that endanger human life such as propane. Managing Floodplain Development Through the NFIP also states that Recreational Vehicles should "be fully licensed and ready for highway use. "Ready for highway use" means that the vehicle is on wheels or a jacking system, is attached to the site only by quick disconnect type utilities and has no permanently attached additions." [28] The plans should be approved by the municipality's EMC and Board of Supervisors or Council and be presented to the permit officer prior to issuance of a permit. Optimally, the staging area will be above the 500-year floodplain. In the case that it is known that inundation regularly exceeds the limits of the 500 year flood plain, an standard in excess of this limit may be required.. Relocation should not impede access by emergency vehicles. It is recommended that all campground owners be required to acquire a weather radio as part of the evacuation plan. See **Map Series 3** for the GIS layer of road closures for use in evacuation planning. This layer is based on testimony of local officials and may not be complete. Further information on developing emergency plans is available at <http://www.pema.state.pa.us> in Disaster Preparedness Planning for Facilities. Ordinances should allow municipalities to remove campers that cannot provide an adequate evacuation plan.*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE: Countywide 2

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 2: PA8*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*

TITLE: *Hazard Red Planner*

AGENCY: *County of Lycoming*

ADDRESS: *48 West Third St
Williamsport, PA*

PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*

Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Use technology to identify NFIP violations and strictly enforce Floodplain Management Ordinance for municipalities under contract with the County for Floodplain Management.

Estimated Project Cost: **TBD**

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Technological advances allow for enforcement of ordinance standards designed to meet or exceed those of the NFIP. Ortho photos can be used to determine if non-conforming uses have expanded without permit application, GIS equipment can be used to spot check first floor elevations and GPS equipment can be used to assure that new structures meet plan specs to be outside of the floodway.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 2: PA10*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Promote exceeding NFIP minimums in County and local floodplain management ordinances.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Substantial improvements are those that cost more than 50% of a structure's value. When a pre-FIRM building is substantially improved, the structure must be brought into full compliance with the NFIP. Many floodplain ordinances contain a "loophole" that allows each improvement to be calculated separately so that a structure may be substantially improved in small bites without being brought into compliance. Such loopholes need to be closed by requiring cumulative calculation of improvements made to these structures.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 2: PA12*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Amend County and municipal land use regulations to be consistent with sound land use principles and the latest best management practices.

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Subdivision regulations should be revised to include performance standards related to topics such as driveway access, slope and surfacing; amount of lot area to be disturbed; the degree of slope allowable for development, and a requirement for erosion and sedimentation control plans with definitive grading standards. Existing subdivision ordinances should be revisited and revised to minimize post-development run-off and be consistent with modern stormwater BMPs. Cluster development and conservation subdivision design should be encouraged. Floodplain Management Ordinances beyond the minimum required by the NFIP are encouraged.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 2: PA16*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Incorporate mitigation projects into the County Capital Investment Plan Process.

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Once identified and defined, mitigation projects should be included on the County Capital Investment list. This list is used to outline the array of infrastructure projects that are needed to safeguard our communities in order to promote successful economic development and/or offer safe and secure communities for all residents.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 2: PI5*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

A Countywide goal is participation in the CRS program. The County will provide assistance to communities to participate in the NFIP's Community Rating System.

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

To date, only one (1) municipality in Lycoming County participates in the Community Rating System (CRS) Program: Jersey Shore Borough. The Borough maintains a Class 9 rating which confers a 5 percent insurance premium reduction on policyholders in SFHAs. As part of the County's efforts to assist each local municipality, educational materials on topics such as flood proofing, business continuity planning and evacuation planning will be placed in the County library. There will be an increased effort to make floodplain mapping available to the public through Internet and library sources. Information on topics such as mandatory insurance requirements will be more widely distributed. Documentation packages of points available for adopting a mitigation plan, the Automated Flood Warning System and other countywide efforts will be made available to interested municipalities.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: CUMMINGS ES 002

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Toner Hollick
TITLE: Hazard Red Planner/ Township Supervisor
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Cummings Township

Elevation NA **certificate** NA

Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Evacuation Plan

Estimated Project Cost: *Minimal*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Geographic isolation provides special concerns for Pine Creek communities. Emergency egress/evacuation route(s) should be designated and maintained. All hazards that affect the Township could result in prolonged closure of roads vital to evacuation or emergency access and travel. This creates significant risk/impact to resident and visitor populations.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE: *Cummings Twp 1; Countywide 2*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: MCHENRY ES 003

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Paul Hoffmaster
TITLE: Hazard Red Planner/ Township Supervisor
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: McHenry Township

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Provide, designate and maintain emergency evacuation routes (access and egress) routes for central Pine Creek Valley

Estimated Project Cost: Minimal

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Geographic isolation provides special concerns for Pine Creek communities. Emergency egress/evacuation route(s) should be designated and maintained. All hazards that affect the Township could result in prolonged closure of roads vital to evacuation or emergency access and travel. This creates significant risk/impact to resident and visitor populations.

During the peak of the September 2004 storm related to Hurricane Francis, floodwaters inundated and closed SR 414 at several locations north of Waterville. With the continuing closure of Slate Run Road, southern access/egress to the central Pine Creek Valley was limited to Truman Rd, a single lane dirt and gravel road, to English Center/Little Pine State Park. Vacationers with RV's and Travel Trailers were observed using this route for evacuation, creating extremely hazardous travel conditions.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE: McHenry Twp 6:1; Countywide 2

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 3: ES 4*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Coroner's Office Response Planning

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

It is recommended that the Coroner's Office response plan be formally incorporated into the County EOP.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 3*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 3:ES 13*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Provide assistance with development of evacuation plans for flood-prone campgrounds.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

*It is recommended that these campgrounds be required to develop evacuation plans for the health and safety of campers who may not be familiar with the area. Improperly evacuated RVs and unanchored mobile homes can wash downstream in a major high water event decreasing conveyance capacity of bridges and damaging permanent structures. The evacuation plans at a minimum should assure that should there be an imminent danger of flooding: all units will be removed from the floodplain within the flood warning times specified in **Table 12** located in Section 3.5.3 i of this document; by whom they will be evacuated; the temporary storage site that will be utilized for such evacuation purposes; a back-up or contingency plan; contact information of all parties that are a part of the plan; and a means to prevent flood waters from being contaminated by waste water systems. Road closure maps located in **Map Series 3** may also be beneficial. See page 145.*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 3*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 3: PA14*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Discourage or control development in areas of carbonate geology.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The underground openings found in carbonate areas and their potential danger of collapse call for detailed planning studies prior to construction or development in limestone-dolomite areas. Studies should include local geologic mapping, borings, and other tests to establish foundation conditions for such structures as highways, dams, bridges, and large buildings. The best management approach would be to "avoid" locating structures and pollutant sources on carbonate geology.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 3*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PIATT PA 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Rhonda Miller
TITLE: Hazard Red Planner/ Township Secretary/Treasurer
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Vacant areas affected by deep river backwater
Elevation NA **certificate NA**
Flood Insurance **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would involve passing ordinance restrictions to prevent development in areas with deep river backwater

Estimated Project Cost: \$500

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: Possible DCED/Piatt Township

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The difference between the ground elevation and the river backwater BFEs can be as much as 10-15 feet in these areas. The township would like to prevent commercial development in these areas. This project would involve creating and enforcing zoning and ordinance restrictions to promote public safety in these areas.

COMMUNITY RANKING SCORE: Piatt Priority 2:Countywide Priority: 3

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 3: PI4*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Continue to promote the benefits of property protection among homeowners and businesses in Lycoming County.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The American Meteorological Society cites flash floods as the leading cause of deaths from natural hazards in the United States. Intense rain, highly saturated soils, and steep slopes are all conducive to flash flooding, which is occurring with increased frequency throughout the County. Because flash floods materialize with little warning and often at night, a community's best line of defense is preparedness. Residents must arm themselves with the proper "tools" to protect their property and family in the event of a flood. The Federal Emergency Management Agency provides guidance on a range of property protection measures that can minimize the damage caused by natural hazards.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 3*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 3: PI9*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Identify and maintain elevation reference marks.

Estimated Project Cost: **TBD**

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Elevation reference marks are the basis of determining elevation in the field for many mitigation initiatives. They are used for flood insurance studies, elevation certificates for permitting and rating flood insurance policies. Maintenance of these elevation marks translates to savings to property owners in multiple ways. Their ready availability reduces costs involved in the pursuits listed above. Furthermore, this project will provide CRS points, which translates to reduced flood insurance premiums for flood insured property owners.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 3*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 3: P111*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Develop a comprehensive vulnerability analysis survey and risk matrix that local municipalities can utilize to conduct their own risk assessments.

Estimated Project Cost: **TBD**

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Project Impact conducted a Vulnerability Analysis Survey in the fall of 1999. Distributed to all 52 municipalities and several businesses throughout the region, the survey helped Project Impact to identify site-specific areas prone to repetitive flood loss. Several municipalities, including several within the West Branch Susquehanna Corridor, did not respond to the survey. Although this informal data would be a valuable supplement to the County's Vulnerability Analysis Database (VAD), it is more important to local municipalities. Those communities wishing to receive state and federal funding for hazard mitigation projects must be able to document their flood risk.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 3*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PINE PA 002

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ David Edler
TITLE: Hazard Red Planner/ Township EMC
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Throughout Pine Township

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Conduct Haz Mat Risk Assessment

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Identify scope of effects of hazardous material operations if a disaster were to occur...the first step in preparation and mitigation.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Pine Twp Priority 3; Countywide priority: 3

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 3: PI 18*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*

TITLE: *Hazard Red Planner*

AGENCY: *County of Lycoming*

ADDRESS: *48 West Third St
Williamsport, PA*

PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*

Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Establish monuments in communities to show the extent of flood inundation suffered in the flood of record.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This public awareness tool would serve as a visual reminder of the inundation suffered in the worst of times.

These monuments can be used for purposes such as identifying potential staging areas for evacuation plans.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 3*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *WATSON PI 004*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ Paul Stitzer*
TITLE: *Hazard Red Planner/ Watson Twp Planning Commission*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Watson Township*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Forest Fire Awareness/ Prevention ed

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This public education effort has grown in importance since Pine Creek Valley is experiencing an increase in tourism.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Watson Twp 2; Countywide 3*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 3: PA 9*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Use technology to assist municipalities that are not member municipalities of the County Zoning and Floodplain Management to identify NFIP violations and strictly enforce Floodplain Management Ordinances.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Technological advances allow for enforcement of ordinance standards designed to meet or exceed those of the NFIP. Ortho photos can be used to determine if non-conforming uses have expanded without permit application, GPS equipment can be used to spot check first floor elevations and to assure that new structures meet plan specs to be outside of the floodway.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 3*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 4:ES 3*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Encourage expanded participation in a County-administered fire incident reporting system that builds upon the framework developed by the State Fire Academy and State Fire Commissioner's Office.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

A centralized reporting system for fire companies is now available within Lycoming County. In order to effectively deploy resources (i.e. funding and personnel), the Department of Public Safety has the ability to assess the types of alarms responded to and the distribution of calls throughout the county. A Countywide incident reporting system not only helps individual companies to identify "hot spots" under their jurisdiction. It also improves the ability of law enforcement to monitor arson activity, which is fairly high in Lycoming County. Despite these many advantages, participation in this relatively new program is limited to four companies. Increased participation in this program will be encouraged at a local level.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 4*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: ARMSTRONG, CUMMINGS, JACKSON, JERSEY SHORE,
LOYALSOCK, MCHENRY, PORTER ES 002

PROJECT CONTACT

NAME: Mary Ellen Rodgers
TITLE: Hazard Red Planner
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Multiple municipalities throughout County

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT: Purchase of EMA equipment materials and clothing; training, multi-municipal coordination. Develop multi-municipal EOPs.

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

With the constantly increasing demands on local volunteer first responders, the need for equipment and training is ongoing.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE: Countywide 4

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: CUMMINGS ES 002

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Toner Hollick
TITLE: Hazard Red Planner/ Township Supervisor
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Cummings Township

Elevation NA **certificate** NA

Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT: Local EMS spill-response training

Estimated Project Cost: Minimal

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Geographic isolation provides special concerns for Pine Creek communities. There is a need for first responder training for Haz Mat incidents.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY:

Training is available at no cost to community through County of Lycoming EMS 433-4461

COMMUNITY RANKING SCORE: Cummings Twp 4; Countywide 4

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *MUNCY TWP ES 001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ Paul Wentzler*
TITLE: *Hazard Red Planner/ Township Supervisor*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Lycoming Mall area*

Elevation *NA* **Certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Re-evaluate evacuation plan

Estimated Project Cost: *Minimal*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Lycoming Mall and surrounding businesses have large concentrations of people. The existing evacuation plan should be reviewed and updated if necessary to assure that it is up-to-date.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Muncy Twp 1; Countywide 4*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 4:ES 14*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Utilize Forecasting Modeling & Inundation Mapping to predict potential flood damage centers and to provide advance telephone notification to at-risk populations.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Phase II Flood Warning System improvements will focus upon developing a flood forecasting model and flood inundation map that accurately depicts predicted flood inundation levels along major waterways during flooding. Using Economic Development Administration funding, the County conducted a pilot study in a commercial area of Lycoming Creek in Old Lycoming, Lycoming, Loysock and Hepburn Townships. Using real-time staff and rain gauge readings transmitted from upstream watersheds and historical flood records, the County utilized its GIS Floodplain Mapping to predict flood inundation levels and primary damage centers within the study area. By introducing predictive capabilities to the Flood Warning System, residents of predicted damage centers can be automatically notified when a certain stage threshold has been exceeded. The County sees value in expanding the project to all primary drainage basins in the County when introducing automatic notification through the Advance Telephone Notification System.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 4*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *DUBOISTOWN PA 001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ Richard Knecht*

TITLE: *Hazard Red Planner/ Fire Chief*

AGENCY: *County of Lycoming*

ADDRESS: *48 West Third St*

Williamsport, PA

PHONE: *570-320-2130*

LOCATION OF PROJECT: *See Map Book (Maps 36, 232)*

Elevation *NA* **certificate** *NA*

Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Clean out Mosquito Creek and other Creek areas.

Estimated Project Cost: *Minimal*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Duboistown 2;Countywide 4*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: ELDRED PA 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Charles Ligosh
TITLE: Hazard Red Planner/ Eldred Township Planning Commission
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 233-236)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Debris removal from Mill Creek

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Debris tends to accumulate increasing damages in high water events.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Eldred Twp 1; Countywide 4

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: FAIRFIELD PA 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Frank Welsh

TITLE: Hazard Red Planner/ EMC

AGENCY: County of Lycoming

ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: Mill Creek No 2 & Rte 87

Elevation NA **certificate** NA

Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Debris removal from Mill Creek No 2

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Debris tends to accumulate under bridge causing water to dam and spill across Rte 87, thusly closing a North-South evacuation route for the citizens of Fairfield Township and points north.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Fairfield Twp 1; Countywide 4

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: FAIRFIELD PA 002

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Frank Welsh

TITLE: Hazard Red Planner/ EMC

AGENCY: County of Lycoming

ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: Loyalsock Creek

Elevation NA **certificate** NA

Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Debris removal from Loyalsock Creek

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Debris removal from waterway so that water will not be channeled onto the property of citizens of the municipality

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Fairfield Twp 2; Countywide 4

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *PINE PA 0001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ David Edler*
TITLE: *Hazard Red Planner/ Township EMC*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Various locations: Pine Township*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Remove debris and excess material washed into ditches/pipes by heavy rainfall

Estimated Project Cost: *Engineering estimate required*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This project would maximize existing drainage reducing damage to roadways.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: *TBD*

COMMUNITY RANKING SCORE: *Pine Twp Priority 2; Countywide priority: 4*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: WASHINGTON PA 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Jesse Baker
TITLE: Hazard Red Planner/ Township
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 250-251)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Debris removal from off Petersburg Rd in While Deer Hole Creek

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Debris tends to accumulate increasing damages in high water events.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Washington Twp 1; Countywide 4

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: McHenry Twp ES 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Paul Hoffmaster
TITLE: Hazard Red Planner/ Township Supervisor
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: McHenry Township

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Develop a multi-agency/ multi-municipal EOP for multiple hazards in the heart of Pine Creek Valley. This group could include the County of Lycoming EMA, DCNR, PennDot, McHenry, Brown and Cummings Townships.

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED: *Geographic isolation as well as limited human resources provide special concerns for Pine Creek communities.*

Floods: Work with County of Lycoming EMA to develop municipal EOP

Wildfires: Work with DCNR to develop municipal EOP that addresses coordination of communications and assets.

Winter Ice/Storms: Develop municipal EOP with PennDOT support

HazMat Spills: Work with County of Lycoming EMA to develop municipal EOP

Wind Shear/Tornadoes: Develop municipal EOP with PennDOT support

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE:

McHenry Twp Flood EOP 1:1;

McHenry Twp Wildfire EOP 2:1;

McHenry Twp Winter Ice Storms EOP 3:1;

McHenry Twp Tornado/Wind Shear EOP 4:1;

McHenry Twp HazMat 5:1;

Countywide 4

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 5: NRP2*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Encourage implementation of the County's Water Supply Plan to include development of wellhead protection programs throughout the County. Work with municipal zoning administrators, floodplain managers and building officials to educate homeowners and businesses about the benefits of well protection.

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The long-term protection of water quality in the County is essential to the continued availability of potable water to the County's public water suppliers. Several types of regulatory and non-regulatory protection techniques exist that could be used to protect the County's ground water sources for existing or potential future use. Other broader methods of source water protection, including aquifer and watershed protection and management, exist to protect water sources from contamination. These include zoning, subdivision, and land development conditions of wellhead easements as well as a number of other measures incorporated into the County of Lycoming Water Supply Plan.

A growing number of residences are obtaining their water supply from privately drilled wells. It is unlikely that many property owners are fully aware of the risk floods pose to their water supply. Even if floodwaters do not overtop a well, contaminated groundwater can seep into well water, making it unfit for domestic use or consumption for weeks following a flood event. The Federal Emergency Management Agency (FEMA) publishes free documents that provide property owners with a wealth of options for protecting private wells and utility systems.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 5*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 5: P113*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide; See Map Book (Maps 37, 45, 48-49, 117-160)*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Continue to remap A Zones and restudy floodplains that need mapping updates

Estimated Project Cost: **TBD**

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Assessing flood risks accurately requires accurate mapping. The main tributaries of the Lycoming County's largest tributary Creeks have recently been restudied. Approximate floodplains in municipalities that have never had flood insurance studies have been digitally updated. There is still an outstanding need for restudy of some tributary and main stem waterways that were not included in the recent restudies. These areas have been prioritized based on development. See map book for the designated remapping areas.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 5*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: P114 (MCHENRY MAP 0001)

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Paul Hoffmaster
TITLE: Hazard Red Planner/ Township Supervisor
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Pine Creek, See Map Book (Maps 161-193)

Elevation NA **certificate N**
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would involve conducting a Flood Insurance Restudy of the floodplain of approximately 10 miles of Pine Creek.

Estimated Project Cost: \$45,000

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD; Field work assistance and digitization could be provided by the County of Lycoming, a CTP.

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Effective March 16, 2004, new FIRMs have been issued for Lycoming County. In the Pine Creek Valley funding allowed for restudy of the southernmost 10 miles of Pine Creek. There are many areas in the next upstream segment in which there are properties that regularly are inundated by floodwaters but are not included in the 1% flood zone. This creates a false sense of security for property owners and makes difficulty for permit offices to regulate construction in these zones. Floodwaters exceeded the limits of the five hundred year flood plain on Pine Creek in September 2004, a relatively small flood event.

COMMUNITY RANKING SCORE: McHenry Priority 7/Countywide Priority 5

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: P114 (SHREWSBURY MAP 0001)

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Garth Everett
TITLE: Hazard Red Planner/ Solicitor
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Muncy Creek within Shrewsbury Township,
See Map Book (Maps 194-203)

Elevation NA certificate N
Flood Insurance NA Date of verification _____

BRIEF DESCRIPTION OF PROJECT:

This project would involve conducting a Flood Insurance Restudy of the floodplain of approximately 7 miles of Muncy Creek establishing BFEs, but no floodways. A digital review of approximate floodplains would be conducted and field checks would be completed in areas where results are inconsistent with municipal testimony.

Estimated Project Cost: \$50,000

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD; Field work assistance and digitization could be provided by the County of Lycoming, a CTP.

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Effective March 16, 2004, new FIRMs have been issued for Lycoming County. On Muncy Creek, funding allowed for restudy of the Creek from its confluence with the WB of the Susquehanna upstream to the eastern most border of Picture Rocks, stopping short of the majority of Shrewsbury Township. There are significant discrepancies between the old and new studies. The approximate floodplains in this area are due for review. There are areas that flood regularly but are not included in the regulatory floodplain indicated on the FEMA FIRMs. This creates a false sense of security for property owners and makes difficulty for permit offices to regulate construction in these zones. Accurate risk assessments and mitigation planning cannot be initiated until the floodplain is properly delineated.

COMMUNITY RANKING SCORE: Shrewsbury Priority 1/Countywide Priority 5

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 5: PA 15*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Review County and municipal ordinances to control potential hazards in airport hazard areas.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Municipalities within the Airport Hazard Areas for Williamsport-Lycoming County Airport and Jersey Shore Airport may need to ensure that governing ordinances and their administration is in compliance with Federal Aviation Regulations (FAR) Part 77 criteria for objects affecting navigable air space, and Act 164 of 1984 (Pennsylvania Laws Relating to Aviation.) Towers located throughout the County should follow all FAA permitting requirements.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 5*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: WATSON PA 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Paul Stitzer
TITLE: Hazard Red Planner/ Township Planning Commission
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Watson Township

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Provide zoning restrictions to limit dumping, abandoned vehicles and require debris removal

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The Township intends to maintain a proactive role in developing ordinances to limit dumping, abandoned vehicles and require debris removal. The proposed program would develop the ordinance, create a fine structure, create a community watch program, and establish fine non-payment consequences.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE: Watson Priority 3; Countywide Priority 5

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *OLD LYCOMING ES 001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ Linda Mazzullo*
TITLE: *Hazard Red Planner/ Township Administrator*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Old Lycoming Township*

Elevation *NA* **certificate** *NA*

Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Enhance the municipal EOP to deal more effectively with potential closure of Rte 15

Estimated Project Cost: *Minimal*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED: *Rte 15 is a major north-south roadway through the Township. Accidents, snow storms and other hazards may result in the closure of this road providing major re-routing and possible influx of motorists into the residential and local commercial areas. This eventuality should be addressed in the Township Emergency Plan Update.*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *OLT Twp 6; Countywide 5*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 6: PI3*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Work with municipal zoning administrators, planning commissions, and municipal officials to restrict development near sinkholes, areas of potential subsidence, and on steep and severe slopes.

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Future efforts are recommended in the following areas: Land development and building construction in carbonate terrain should be preceded by a subsurface investigation to clearly define subsidence-prone areas. Depending upon the type and intensity of development that is planned, foundations can sometimes be designed to avert potential problems. In some circumstances, remedial backfilling or grouting can be undertaken, and storm-water runoff can be managed so that it is not locally directed into the ground. The best method for mitigation of karst subsidence problems is planning. Zoning laws can be enacted to regulate or prohibit development within karst regions.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 6*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 6: PI2*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Secure state funding to support the development of watershed associations in Lycoming County.

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

There are six major watersheds in Lycoming County and the County has successfully helped organize five (5) watershed associations: the Black Hole Creek, the Muncy Creek Watershed Association, the Loyalsock Creek Watershed Association, the Lycoming Creek Watershed, and the Nippenose Valley Association. As a registered non-profit organization, the County of Lycoming Hazard Mitigation Partnership, Inc. can apply for state assistance to develop watershed associations in all of the County's principle watersheds. The Department of Environmental Protection's (DEP) Growing Greener Grant Program provides funding for organizational development and watershed restoration projects.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 6*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 6: PA4*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Continue to develop stormwater management plans for each watershed in the County.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Impervious surfaces created by development, such as parking lots, roads, and roofs, can substantially increase runoff within a watershed. The installation of storm sewer pipes, which control the runoff rates associated with development, prevents water from infiltrating the soil. Although stormwater management is necessary to control erosion and discharge rates, it is typically approached on a project-by-project basis. Municipalities are not required, under any law, to consider stormwater management on a watershed basis. Act 167 requires Counties to do stormwater management by watershed planning. Once completed municipalities are required to adopt ordinances compliant with that plan. The newer requirements require that post development may not exceed quantity and rate of pre-development.

Pennsylvania's Stormwater Management Program provides funding to counties for the development of stormwater management plans for designated watersheds. These plans are designed to evaluate existing drainage problems within the basin, consider potential impacts of flood control projects and land development regulations upon the hydrologic system, and make recommendations for minimizing accelerated runoff. The County of Lycoming will continue to complete these plans as funding allows.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 6*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 6: PI6*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Encourage preparedness on an individual household level through enhanced public education programs.

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

For Americans, preparedness must now account for man-made disasters as well as natural ones. Knowing what to do during an emergency is an important part of being prepared and may make all the difference when seconds count.

Some of the things individuals can do to prepare for the unexpected, such as assembling a supply kit and developing a family communications plan, are the same for both a natural or man-made emergency. However, as can be seen throughout the pages of the website, Ready.gov, there are important differences among potential terrorist threats that will impact the decisions you make and the actions you take. Efforts to get this information into the hands of the general public will be enhanced.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 6*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 6: ES 25*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Develop emergency plans for maintaining operations at businesses.

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

*Preparation is often the key to enhancing public safety and minimizing property losses. Each business is encouraged to develop a business continuity plan toward this end. An assessment of disasters that could potentially impact each business should be included in this document. FEMA's publication, Emergency Management Guide For Business & Industry, is available in its entirety at <http://www.fema.gov/library/bizindex.shtm>. The publication will also be made available to local businesses and industry at the James V. Brown Library as part of the County's CRS public education efforts. See **Map Series 3** for the GIS layer of road closures for use in evacuation planning. Technical assistance for major employers in developing evacuation plans is available by contacting the County of Lycoming Emergency Management Agency Manager at 570-433-4461 x132.*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 6*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: ARMSTRONG ES 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Dick Knecht

TITLE: Hazard Red Planner/ EMC

AGENCY: County of Lycoming

ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 204, 237)

Elevation NA **certificate** NA

Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Floodproofing of fuel storage tank farms on Sylvan Dell Road

Estimated Project Cost: Professional engineering estimates required

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This project would involve exploring options to reduce potential flood damages to tanks storing fuel oil in a low lying area.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Armstrong 1; Countywide 6

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 6: ES20*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Continue working with the Department of Agriculture to protect our food supply

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Protecting the livestock and poultry industries of the United States from foreign animal diseases involves four basic principles or phases of emergency management. They are prevention, preparedness, response, and recovery. To be effective, these principles require the support and cooperation of persons, groups, and organizations at the local, State, regional, and national levels. Livestock and poultry owners, veterinarians in private clinical practice, industry groups, the Federal government, State government, State universities, veterinary diagnostic laboratories, and the traveling public must all be included.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 6*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *HUGHESVILLE ES 0001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ David Bressler*
TITLE: *Hazard Red Planner/ Borough*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Hughesville Borough*
Elevation *NA* **certificate** *NA*
Flood Insurance **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would involve re-routing trucks carrying Haz Mat around populated areas

Estimated Project Cost: *TBD*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This would reduce potential exposure to Haz Mat in the event of an accident.

COMMUNITY RANKING SCORE:

Hughesville Township Priority 2: Countywide Priority 6

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *WOLF ES 0001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ David Bressler*

TITLE: *Hazard Red Planner/ Township*

AGENCY: *County of Lycoming*

ADDRESS: *48 West Third St
Williamsport, PA*

PHONE: *570-320-2130*

LOCATION OF PROJECT: *Wolf Township*

Elevation *NA* **certificate** *NA*

Flood Insurance **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would involve re-routing trucks carrying Haz Mat around populated areas

Estimated Project Cost: *TBD*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This would reduce potential exposure to Haz Mat in the event of an accident.

COMMUNITY RANKING SCORE:

Wolf Township Priority 2: Countywide Priority 6

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 7: ES 6*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Develop GIS layer of wind direction and velocity patterns for use in potential Terrorist and Haz Mat situations.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

There is a need to develop a database of typical wind direction and velocity for use in analyzing wind carried hazards. The County would also like to develop the ability to display current wind conditions on the GIS base.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 7*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PIATT PA 0002

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Rhonda Miller
TITLE: Hazard Red Planner/ Township Secretary/Treasurer
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Throughout Township

Elevation NA certificate NA

Flood Insurance Date of verification

BRIEF DESCRIPTION OF PROJECT:

This project would involve increasing enforcement of zoning regulations involving junkyards.

Estimated Project Cost: \$500

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: Possible Piatt Township

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The township would like to increase enforcement of zoning regarding junkyards in these areas, particularly as it affects potential haz mat situations. This project would promote public safety in these areas.

COMMUNITY RANKING SCORE: Piatt Priority 3: Countywide Priority: 7

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 7: SP1*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *See Structural Project Spreadsheet and municipal proposed structural projects*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Identification of priorities will be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

Estimated Project Cost:

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Structural flood control projects that are forwarded by the County are those that protect properties located within special flood hazard areas while providing a positive benefit/cost ratio. Where possible, targeted acquisition of repetitive loss properties should be pursued as a preferable first line of defense and floodplain development regulations modified to exceed NFIP minimum standards to prevent the need for structural projects. The County will continue to identify and advance high priority structural projects to protect flood prone areas.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 7*

Structural Project Spreadsheet			
Municipal Priority	Municipality	Hazard	Project
	<i>Armstrong</i>	<i>Flood</i>	<i>Berm/dike to protect Sylan Dell</i>
	<i>Clinton</i>	<i>Flood</i>	<i>Clinton Twp Commercial Area Black Hole Creek Mitigation Project: bank erosion and flooding effects 5 businesses need streambank stabilization/ drainage improvements</i>
	<i>Duboistown</i>	<i>Flood</i>	<i>Berm Mosquito Creek/control erosion</i>
	<i>Gamble</i>	<i>Flood</i>	<i>Stream/roadwork to prevent road closure of SR 1003 in high water event</i>
	<i>Jersey Shore</i>	<i>Flood</i>	<i>Lawshee Run</i>
	<i>Mill Cr</i>	<i>Storm</i>	<i>Widen and construct better ditches, enlarge culverts to Firetower, Mountain and Tallow Bottom Rd</i>
	<i>Montgomery</i>	<i>Flood</i>	<i>Conveyance issue w RR underpass/ improved conveyance capacity or reroute stream</i>
	<i>Montoursville</i>	<i>Flood</i>	<i>Retention Ponds on Coffee Town Run</i>
	<i>Muncy Boro</i>	<i>Flood</i>	<i>Glade Run/ potential streambank restoration</i>
	<i>Muncy Cr</i>	<i>Flood</i>	<i>Major streambank restoration in developed floodprone areas</i>
	<i>Piatt</i>	<i>Flood</i>	<i>Create ponding and sedimentation areas in the hollows to reduce flooding on major streams. (EX: Cement Hollow, Spook Hollow, above Rte 287)</i>
	<i>Pine</i>	<i>Storms</i>	<i>Install new headwalls, pipes, ditches</i>
	<i>Pine</i>	<i>Flood</i>	<i>Repair and rebuild levees on Little Pine Crk Floodway</i>
	<i>Plunketts Cr</i>	<i>Multi</i>	<i>Dam and spill way removal from Big Bear Creek to save Dunwoody Rd (main evac rte) and allow creek to return to original course /Fluvial Geomorphology projects on Big Bear, Plunkett's, and Loyalsock Creeks and Engle Run/restore former Creek path at Barbours and Cove area by Lower Manor Rd.</i>
	<i>Plunketts Cr</i>	<i>Multi</i>	<i>Stabilize landslide areas on Dunwoody and Scaife Rds</i>
	<i>Porter</i>	<i>Storm</i>	<i>Increased capability for stormwater management</i>
	<i>South Williamsport</i>	<i>Flood</i>	<i>Hagerman's Run project: remove vegetation/add rip-rap; increase inlets at Curtain & Main St pump stations;</i>
	<i>South Williamsport</i>	<i>Flood</i>	<i>Raise the levee</i>

	<i>Upper Fairfield</i>	<i>Flood</i>	<i>Reconstruction of levees (Ex: Arthur Thomas)</i>
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HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: ARMSTRONG SP 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers
TITLE: Hazard Red Planner
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Map 204)
Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Berm Sylvan Dell area

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This area is subject to flood inundation threatening human safety, damaging property, and threatening the environment.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE:

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

This project could benefit from an engineering review to determine the best intervention.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF Project: CLINTON SP 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Bill Harris
TITLE: Hazard Red Planner/ Permit Officer
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Map 205)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Reduce flooding to neighborhood commercial area adjacent to Black Hole Creek.

Estimated Project Cost: Engineering estimate required

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This project addresses severe stream bank erosion and recurrence of flooding to five local businesses due to undersized and inadequate stormwater facilities and highly eroded/unstable soil conditions along Black hole Creek and a major drainage channel flowing into it. The project involves stream bank stabilization and drainage improvements for approximately 700' of stream/drainage channel area, including 250' of piping under a macadam parking lot, which flows almost directly into Black Hole Creek. This non-point source pollution should also be corrected.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Clinton Priority 1;

Countywide priority :Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: DUBOISTOWN SP 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Richard Knecht
TITLE: Hazard Red Planner/ Fire Chief
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Map 36)
Elevation NA certificate NA
Flood Insurance NA Date of verification

BRIEF DESCRIPTION OF PROJECT:

Berm Mosquito Creek

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE: *Duboistown 3;*

Countywide priority :Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

This project could benefit from an engineering review to determine the best intervention.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: JS SP 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Cheryl Brungard
TITLE: Hazard Red Planner/ Borough Council
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 48-49)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would involve a structural alternative to keep the water of Lawshee Run within its banks.

Estimated Project Cost: Engineering estimate required

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Lawshee Run frequently overruns its banks with little warning. This project would create a berm or similar structure to retain the water within the banks of Lawshee Run. This waterway has involved significant costs to the Borough and to nearby property owners over the years.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Jersey Shore Priority 1;

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

This project could benefit from an engineering review to determine the best intervention.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: MILL CREEK SP 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Chris Downey
TITLE: Hazard Red Planner/ Township Supervisor
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: Firetower Road, Mountain Road, Tallow Bottom Rd
See Map Book (Maps 206-209)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Widen and construct better ditches and enlarge drainage culverts

Estimated Project Cost: *Engineering estimate required*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This project would improve drainage around roadways.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Mill Creek Twp Priority 1;

Countywide priority :Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: MONTGOMERY SP 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Dennis Gruver
TITLE: Hazard Red Planner/ EMC
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Map 38)

Elevation NA **certificate** NA

Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Alter conveyance capacity of Railroad Bridge or reroute Black Hole Creek.

Estimated Project Cost: Engineering estimate required

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Black Hole Creek has a very large watershed and is subject to flash flooding. The Creek makes a tight S turn before passing through a railroad bridge with inadequate conveyance. The water pools and raises inundating structures in the area.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Montgomery Priority 5;

Countywide priority :Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: MUNCY BOR SP 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Ed Coup
TITLE: Hazard Red Planner/ Borough Manager
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 55, 57-58)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would involve a structural alternative to keep the water of Glade Run within its banks.

Estimated Project Cost: Engineering estimate required

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Glade Run frequently overruns its banks with little warning. This project would use streambank stabilization to retain the water within the banks of Glade Run. This waterway has involved significant costs to the Borough and to nearby property owners over the years.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Muncy Borough Priority 1;

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF Project: MUNCY CREEK SP 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Dave Rupert
TITLE: Hazard Red Planner/ Township Supervisor
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Throughout Muncy Creek Township,
See Map Book (Maps 89-91, 210-211)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would involve streambank stabilization in all developed areas.

Estimated Project Cost: Engineering estimate required

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The project would control erosion and its effects on flooding.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE:

Countywide priority :Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

This project could benefit from an engineering review to determine the best intervention.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *PINE SP 0001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ David Edler*
TITLE: *Hazard Red Planner/ Township EMC*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA

PHONE: *570-320-2130*

LOCATION OF PROJECT: *See Map Book (Maps 212-226)*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Regrading of roadways to properly route water; installing new headwalls, pipes and ditches to keep water from causing damage to roads.

Estimated Project Cost: *Engineering estimate required*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This project would improve drainage around roadways.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: *TBD*

COMMUNITY RANKING SCORE: *Pine Twp Priority 1;*

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *PINE SP 0002*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ David Edler*
TITLE: *Hazard Red Planner/ Township EMC*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA

PHONE: *570-320-2130*

LOCATION OF PROJECT: *Various locations, Pine Township*

Elevation *NA* **certificate** *NA*

Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would create and reconstruct levees along the Little Pine Creek

Estimated Project Cost: *Engineering estimate required*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Reduction of flood damages to Township Property owners and infrastructure.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: *TBD*

COMMUNITY RANKING SCORE: *Pine Twp Priority 4;*

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PLUNKETTS CREEK SP/Env 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Peggy Little
TITLE: Hazard Red Planner/ EMC
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Big Bear Creek: See Map Book (Maps 227, 238-249)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Dam and spillway removal from Big Bear Creek Dam and spill way removal from Big Bear Creek to save Dunwoody Rd (main evac rte) and allow creek to return to original course /Fluvial Geomorphology projects on Big Bear, Plunkett's, and Loyalsock Creeks and Engle Run/restore former Creek path at Barbours and Cove area by Lower Manor Rd.

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The dam and spillway project would be conducted to prevent washout of Dunwoody Rd and to return the Creek to its original course. The Fluvial Geomorphology Projects would improve access on critical roads.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Plunkett's Creek Twp I;

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: PLUNKETTS CREEK SP 002

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Peggy Little
TITLE: Hazard Red Planner/ EMC
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Dunwoody/Scaife: See Map Book (Maps 246-249)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Stabilize landslide areas on Dunwoody and Scaife Roads

Estimated Project Cost: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

*Dunwoody Road is an evacuation route for the village of Barbours.
Scaife Route has no outlet should a landslide trap residents.*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Plunkett's Creek Twp 2;

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: *2004Nov1*

NAME OF PROJECT: *PORTER SP 0001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ William D. Buttorf*

TITLE: *Hazard Red Planner/ EMA*

AGENCY: *County of Lycoming*

ADDRESS: *48 West Third St
Williamsport, PA*

PHONE: *570-320-2130*

LOCATION OF PROJECT: *See Map Book (Map 103)*

Elevation *NA* **certificate** *NA*

Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Alter conveyance capacity of Railroad Bridge and stormwater runoff control

Estimated Project Cost: *Engineering estimate required*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: *TBD*

COMMUNITY RANKING SCORE: *Porter Priority 2;*

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: SO WMSPT SP 001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Donna Brink
TITLE: Hazard Red Planner/ Borough Secretary
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 228-230)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Raise the levee protecting So Wmpt

Estimated Project Cost: *Engineering Estimates would be required to determine the cost of this project*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The Borough would like the flood levee to be raised in order to provide an increased measure of protection for Borough residents.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE: *So Wmpt 2;*

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

This project could benefit from an engineering review to determine the best intervention.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: SO WMSPT SP 002

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Donna Brink
TITLE: Hazard Red Planner/ Borough Secretary
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 228, 231)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Hagerman's Run Erosion Control Project

Estimated Project Cost: *Engineering Estimates would be required to determine the cost of this project*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The Borough would like to remove all vegetation from the banks of the run and place heavy riprap on the sides to prevent erosion.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE: *So Wmpt 3;*

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

This project could benefit from an engineering review to determine the best intervention.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: SO WMSPT SP 003

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Donna Brink
TITLE: Hazard Red Planner/ Borough Secretary
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: See Map Book (Maps 228-229)

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

The Borough would like to increase the size of inlets at the Curtin Street and Main Street pump stations.

Estimated Project Cost: *Engineering Estimates would be required to determine the cost of this project*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

The project would remove excessive run-off in the Borough. Currently surface water build-up on Southern Ave causes hazardous driving conditions during heavy rainstorms.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: TBD

COMMUNITY RANKING SCORE: *So Wmpt 4;*

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

This project could benefit from an engineering review to determine the best intervention.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: UPPER FAIRFIELD SP 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Luke Lunt
TITLE: Hazard Red Planner/ Township Supervisor
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA

PHONE: 570-320-2130

LOCATION OF PROJECT: Various locations: Upper Fairfield Township

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would remove debris and reconstruct levees along the Loyalsock Creek after a flood event.

Estimated Project Cost: Engineering estimate required

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Reduction of flood damages to Township Property owners.

The Loyalsock Watershed Association may partner with local municipalities for debris removal before or after a flood event.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Upper Fairfield Priority 1;

Countywide priority :Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Gamble SP 0001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ Gary Griggs*
TITLE: *Hazard Red Planner/ EMC*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *SR 1003; See Map Book (Map252)*
Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Stream/roadwork to prevent road closure of SR 1003 in high water event

Estimated Project Cost: *Engineering estimate required*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This project would keep road open for egress and emergency services during high water events.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: *TBD*

COMMUNITY RANKING SCORE: *Gamble Twp Priority 1;*

Countywide priority :Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *MONTOURSVILLE SP 001*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers/ Dennis Holt*
TITLE: *Hazard Red Planner/ Borough Manager*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St,
Williamsport, PA*
PHONE: *570-320-2130*

LOCATION OF PROJECT: *See Map Book (Map 253)*
Elevation *NA* **Certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Construct retention ponds

Estimated Project Cost: *TBD*

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Construction of retention ponds would control run-off into Coffee Town Run

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Montoursville2;*

Countywide priority: Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

This project could benefit from an engineering review to determine the best intervention.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: MUNCY CREEK PA 002

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Cindy Newcomer
TITLE: Hazard Red Planner/ Township Secretary
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT:

Elevation NA **certificate** NA
Flood Insurance NA **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Mandate with financial assistance that electrical, furnaces, water heaters and major appliances be elevated above BFEs.

Estimated Project Cost: Engineering estimate required

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This mandate would remove property damage issues related to pre-FIRM structures.

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

COMMUNITY RANKING SCORE: Muncy Creek Twp Priority 1:1; Countywide priority: 8

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 8: PI15*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Stabilize homes susceptible to flood damage and high-speed winds.

Estimated Project Cost: **TBD**

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

According to the County of Lycoming Comprehensive Plan update (1997), mobile homes are a significant and expanding form of housing in the rural and suburban townships of the County of Lycoming. As of 1993, the County Assessment Office had identified over 4,700 mobile homes, a 7 percent increase from the 1990 Census. Mobile homes are vulnerable to floods in two circumstances: (1) mobile homes are often heated with fuel oil tanks; if damaged during a flood event, fuel tanks can leak into the homes and impregnate the wood, rendering the property unfit for human habitation; (2) unanchored mobile homes are buoyant and can easily be carried away by rampaging floodwaters. Should they accumulate behind a low-lying bridge, these mobile homes create a damming effect, causing water levels to rise.

All homeowners can benefit by protecting their homes from high wind speeds. Simple and cost effective devices, such as hurricane straps, help roofs withstand higher wind velocities and are essential for traditional homes, as well as manufactured and mobile homes

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 8*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: *Countywide 8: PI16*

PROJECT CONTACT

NAME: *Mary Ellen Rodgers*
TITLE: *Hazard Red Planner*
AGENCY: *County of Lycoming*
ADDRESS: *48 West Third St*
Williamsport, PA
PHONE: *570-320-2130*

LOCATION OF PROJECT: *Countywide*

Elevation *NA* **certificate** *NA*
Flood Insurance *NA* **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

Encourage damage resistant construction to potentially reduce damages from terrorist acts.

Estimated Project Cost: **TBD**

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Guidance on the design, construction, and rehabilitation of buildings to reduce terrorism risk is available to architects, engineers, and constructors. FEMA provides links to an extensive number of Internet sites devoted to technical information on damage resistant building design and construction: <http://www.fema.gov/fima/antiterrorism/links.shtm>

SOURCE OF FUNDING FOR NON-FEDERAL SHARE OF FEASIBILITY STUDY: *TBD*

COMMUNITY RANKING SCORE: *Countywide 8*

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: HUGHESVILLE PA 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ David Bressler
TITLE: Hazard Red Planner/ Borough
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Muncy Creek within the Borough of Hughesville
Elevation NA **certificate NA**
Flood Insurance **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would involve removing sand bars in Muncy Creek

Estimated Project Cost: *unknown and recurrent*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This project is put forth in the belief that regular removal of gravel (or sand) bars will reduce flooding along Muncy Creek.

COMMUNITY RANKING SCORE:

Hughesville Priority 1:

Countywide Priority: It is recommended that the Borough sponsor a public presentation of PA DEP's "Understanding Stream Hydraulics and Stream Restoration". PennDOT may become involved in dredging of gravel bars within 50' of a bridge opening.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: MUNCY CREEK SP 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Cindy Newcomer
TITLE: Hazard Red Planner/ Township Secretary
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
 Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Muncy Creek within Muncy Creek Township

Elevation NA	certificate NA
Flood Insurance	Date of verification

BRIEF DESCRIPTION OF PROJECT:

Removal of gravel bars and major streambank restoration in populated areas in Muncy Creek.

Estimated Project Cost: TBD

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

Streambank erosion has proven to be a problem in Muncy Creek Township. The US ACE has made a positive determination of Federal interest in a streambank stabilization project in the area near the Muncy Creek Township building. This project is on hold due to lack of non-Federal Share.

COMMUNITY RANKING SCORE:

Muncy Creek Priority 2:

Countywide Priority: Countywide priority :Identification of priorities for structural projects should be based on appropriate engineering, environmental, economic and other appropriate reports that go beyond the scope of this plan.

PennDOT may become involved in dredging of gravel bars within 50' of a bridge opening.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: OLD LYC PA 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ Linda Mazzullo
TITLE: Hazard Red Planner/ Township Administrator
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Lycoming Creek within Old Lycoming Township
Elevation NA **certificate NA**
Flood Insurance **Date of verification**

BRIEF DESCRIPTION OF PROJECT:

This project would involve removing vegetation and gravel bars from the Creek bed.

Estimated Project Cost: unknown and recurrent

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: Old Lycoming

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This project is put forth in the belief that regular removal of gravel bars will reduce flooding along Lycoming Creek.

COMMUNITY RANKING SCORE:

Old Lycoming Priority 4

Countywide Priority: The County has included review of sedimentation and erosion in the US ACE Lower Lycoming Creek Flood Damage Reduction Project Feasibility Study. This project is a number one priority. It is recommended that the Township sponsor a public presentation of PA DEP's "Understanding Stream Hydraulics and Stream Restoration". PennDOT may become involved in dredging of gravel bars within 50' of a bridge opening.

HAZARD MITIGATION PROJECT OPPORTUNITY FORM

DATE: 2004Nov1

NAME OF PROJECT: WOLF PA 0001

PROJECT CONTACT

NAME: Mary Ellen Rodgers/ David Bressler
TITLE: Hazard Red Planner/ Township
AGENCY: County of Lycoming
ADDRESS: 48 West Third St
Williamsport, PA
PHONE: 570-320-2130

LOCATION OF PROJECT: Muncy Creek within Wolf Township
Elevation NA certificate NA
Flood Insurance Date of verification

BRIEF DESCRIPTION OF PROJECT:

This project would involve removing sand bars in Muncy Creek

Estimated Project Cost: *unknown and recurrent*

SOURCE OF FUNDING FOR NON-FEDERAL SHARE: TBD

BRIEF DESCRIPTION OF PROBLEM TO BE SOLVED:

This project is put forth in the belief that regular removal of gravel (or sand) bars will reduce flooding along Muncy Creek.

COMMUNITY RANKING SCORE:

Wolf Township Priority 1:

Countywide Priority: It is recommended that the Township sponsor a public presentation of PA DEP's "Understanding Stream Hydraulics and Stream Restoration". PennDOT may become involved in dredging of gravel bars within 50' of a bridge opening.

8.0 Implementation

◆ *Adoption*

It is recommended that the County of Lycoming Hazard Mitigation Plan be adopted by resolution and be considered as an amendment to the updated County Comprehensive Plan as an amendment to the County Emergency Operations Plan (EOP). Resolutions of commitment from participating municipalities are required by the DMA 2000 in order to receive certain post-disaster assistance.

◆ *Evaluation Timetable*

This document should be reviewed and updated on a periodic basis. Preferably, the plan should be re-evaluated in the aftermath of any major hazard event to determine if certain mitigation action steps need to be undertaken or re-prioritized. In the absence of a major incident, the plan should be updated every five years including continuation of public input solicitation.

◆ *Funding Resources*

A directory of funding resources that municipalities can utilize to advance their own hazard mitigation efforts is located in **Appendix E**. The County has successfully utilized a number of these programs, particularly the Hazard Mitigation Grant Program and Flood Mitigation Assistance Program, and is available to provide technical assistance to municipalities evaluating their mitigation alternatives. However, because program requirements and funding levels often change each fiscal year, interested parties should consult with the administering agencies to obtain current program guidelines and to discuss potential projects.

It is expected that most funding for antiterrorism as well as for counterterrorism measures will be funneled through traditional Federal and State channels. Maintaining task force liaison as well as regular communication with representatives of PEMA, PA Department of Health, Office of Homeland Security and other State Agencies will enhance capability to fund potential terrorism mitigation activities.

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28. Managing Floodplain Development Through the NFIP, 5-44: <http://www.floods.org/Certification/is9.asp>

Appendix A: Flood prone Structures

OVERALL	Total			Floodway				Floodway Fringe/General Floodplain				500-year Floodplain			
Municipality	Bldgs.	Value	Pop.	Bldgs.	% *	Value	Pop.	Bldgs.	% *	Value	Pop.	Bldgs.	% *	Value	Pop.
Anthony	326	\$17,225,892	904	0	0%	\$0	0	6	2%	\$199,775	17	4	1%	\$47,424	11
Armstrong	363	\$23,899,707	717	25	7%	\$2,931,732	49	11	3%	\$614,824	22	2	1%	\$320,066	4
Bastress	208	\$13,629,173	574	0	0%	\$0	0	0	0%	\$0	0	0	0%	\$0	0
Brady	207	\$11,867,737	1,351	0	0%	\$0	0	2	1%	\$90,596	13	0	0%	\$0	0
Brown	386	\$13,280,715	111	1	0%	\$45,073	0	47	12%	\$1,808,133	14	34	9%	\$1,415,887	10
Cascade	283	\$10,900,225	419	0	0%	\$0	0	33	12%	\$982,511	49	3	1%	\$99,670	4
Clinton	1,011	\$104,974,493	3,090	22	2%	\$893,014	67	57	6%	\$2,641,978	174	63	6%	\$12,583,445	193
Cogan House	488	\$22,500,470	974	0	0%	\$0	0	14	3%	\$394,771	28	9	2%	\$285,830	18
Cummings	479	\$19,750,327	355	15	3%	\$619,556	11	167	35%	\$7,046,305	124	35	7%	\$1,655,104	26
Duboisstown	506	\$32,842,195	1,280	5	1%	\$186,124	13	55	11%	\$3,658,119	139	31	6%	\$2,009,191	78
Eldred	849	\$60,845,581	2,178	1	0%	\$2,679	3	20	2%	\$813,337	51	7	1%	\$430,792	18
Fairfield	1,177	\$118,864,100	2,659	13	1%	\$901,981	29	14	1%	\$1,362,612	32	5	0%	\$535,594	11
Franklin	433	\$22,223,849	915	0	0%	\$0	0	22	5%	\$1,086,053	46	9	2%	\$627,704	19
Gamble	407	\$22,164,989	854	5	1%	\$169,406	10	9	2%	\$437,412	19	7	2%	\$297,494	15
Hepburn	1,134	\$85,889,326	2,836	27	2%	\$712,648	68	87	8%	\$4,523,694	218	64	6%	\$3,194,174	160
Hughesville	817	\$67,073,306	2,220	0	0%	\$0	0	1	0%	\$73,434	3	31	4%	\$2,120,727	84
Jackson	222	\$9,920,281	414	0	0%	\$0	0	11	5%	\$387,373	21	4	2%	\$890,891	7
Jersey Shore	1,486	\$103,041,314	4,482	40	3%	\$3,151,044	121	678	46%	\$36,395,332	2,045	47	3%	\$9,396,146	142
Jordan	431	\$17,135,979	878	0	0%	\$0	0	8	2%	\$386,776	16	4	1%	\$131,582	8
Lewis	591	\$22,542,001	1,139	162	27%	\$4,346,180	312	62	10%	\$2,919,269	119	32	5%	\$1,770,877	62
Limestone	760	\$54,078,673	2,136	0	0%	\$0	0	35	5%	\$1,761,108	98	14	2%	\$718,392	39
Loyalsock	4,127	\$727,761,101	10,876	48	1%	\$2,168,574	126	152	4%	\$10,824,637	401	645	16%	\$118,516,222	1,700
Lycoming	667	\$38,527,163	1,606	90	13%	\$2,739,053	217	157	24%	\$5,611,021	378	21	3%	\$2,103,105	51
McHenry	531	\$14,814,485	145	25	5%	\$749,152	7	63	12%	\$1,948,244	17	23	4%	\$788,161	6
McIntyre	319	\$11,398,617	539	6	2%	\$170,898	10	138	43%	\$5,166,226	233	37	12%	\$1,455,222	63
McNett	195	\$5,276,659	211	0	0%	\$0	0	22	11%	\$523,120	24	3	2%	\$27,557	3
Mifflin	485	\$27,763,176	1,145	0	0%	\$0	0	134	28%	\$4,225,287	316	19	4%	\$826,631	45
Mill Creek	253	\$14,622,304	572	0	0%	\$0	0	8	3%	\$464,751	18	7	3%	\$304,621	16
Montgomery	556	\$29,230,083	1,695	25	4%	\$2,110,721	76	133	24%	\$7,642,049	405	109	20%	\$5,365,766	332
Montoursville	2,029	\$251,440,743	4,777	0	0%	\$0	0	53	3%	\$3,692,810	125	40	2%	\$19,975,853	94
Moreland	416	\$23,699,200	1,036	0	0%	\$0	0	9	2%	\$394,400	22	4	1%	\$141,761	10
Muncy	1,010	\$93,425,862	2,663	56	6%	\$3,102,953	148	341	34%	\$35,518,516	899	82	8%	\$6,872,655	216
Muncy Creek	1,500	\$120,687,843	3,487	68	5%	\$3,358,635	158	172	11%	\$14,245,608	400	192	13%	\$19,024,423	446
Muncy Twp	518	\$100,120,264	1,059	1	0%	\$11,748	2	13	3%	\$3,927,564	27	22	4%	\$6,923,408	45
Nippenose	302	\$16,493,952	729	18	6%	\$938,785	43	14	5%	\$939,767	34	13	4%	\$732,730	31
Old Lycoming	2,167	\$157,435,712	5,508	137	6%	\$5,633,933	348	189	9%	\$11,254,300	480	221	10%	\$23,503,783	562
Penn	466	\$24,194,455	900	0	0%	\$0	0	24	5%	\$1,228,940	46	0	0%	\$0	0
Piatt	512	\$27,251,520	1,259	46	9%	\$952,628	113	114	22%	\$4,407,653	280	13	3%	\$3,740,178	32
Picture Rocks	263	\$18,583,829	693	0	0%	\$0	0	4	2%	\$148,872	11	19	7%	\$1,499,414	50
Pine	420	\$15,832,485	329	53	13%	\$2,248,594	42	93	22%	\$3,341,899	73	11	3%	\$312,151	9
Plunketts Creek	580	\$24,324,926	771	32	6%	\$1,056,712	43	83	14%	\$3,731,759	110	66	11%	\$3,196,737	88
Porter	644	\$59,522,844	1,633	14	2%	\$1,087,399	36	102	16%	\$7,915,348	259	61	9%	\$6,159,596	155
Salladasburg	119	\$5,708,725	260	0	0%	\$0	0	74	62%	\$3,223,503	162	23	19%	\$1,118,099	50
Shrewsbury	263	\$10,198,712	433	0	0%	\$0	0	65	25%	\$2,347,166	107	0	0%	\$0	0
South Wmspt.	2,461	\$185,122,671	6,412	10	0%	\$434,719	26	69	3%	\$4,389,567	180	599	24%	\$42,121,465	1,561
Susquehanna	445	\$25,682,906	993	55	12%	\$1,524,988	123	65	15%	\$2,870,298	145	12	3%	\$701,502	27
Upper Fairfield	765	\$54,612,489	1,854	22	3%	\$529,666	53	35	5%	\$1,968,774	85	16	2%	\$1,069,148	39
Washington	674	\$39,322,129	1,613	0	0%	\$0	0	52	8%	\$2,228,629	124	0	0%	\$0	0
Watson	306	\$15,234,041	550	32	10%	\$1,823,457	58	73	24%	\$3,386,641	131	19	6%	\$658,802	34
Williamsport	9,129	\$1,062,106,640	30,706	1	0%	\$10,761	3	37	0%	\$10,674,390	124	4,667	51%	\$606,505,153	15,698
Wolf	1,197	\$78,949,576	2,707	5	0%	\$431,137	11	45	4%	\$2,977,490	102	38	3%	\$2,626,739	86
Woodward	1,027	\$56,492,862	2,397	23	2%	\$1,050,325	54	40	4%	\$3,490,116	93	17	2%	\$1,048,633	40
Totals	46,910	\$4,190,488,307	120,044	1,083	----	\$46,094,275	2,380	3,912	----	\$232,292,757	9,059	7,404	----	\$915,850,505	22,397

Appendix B: Municipal Ranks of Natural Hazards

Municipal Ranks of Risks: Natural Hazards												
Municipality	Flood	Winter Storms	Thunderstorm/ Tornado/ Wind	Land slides	Forest/ Brush Fires	Droughts	Ice Jams	Hurricanes	Stream Bank Erosion	Power Failure	Insect Infestation	Mine Subsidence
Armstrong	1		2									
Brady	2	1										
Brown	3	1	2									
Clinton	1		2			3						
Cogan House		1										
Cummings	1	3	3	4	2							
Duboistown	1		2									
Eldred	1	3	2									
Fairfield	1											
Gamble	3	1	2									
Hughesville		2	1				3					
Hughesville	1		3				2					
Hughesville	2	3	1									
Jackson	3	2	1									
Jordan	4	3	1				5	2				
Lewis	1	2	3									
Limestone		2	1									
Loyalsock	1											
McHenry	1	3	3		2							
Mifflin	2	1	3									
Mill Creek	3	2	1									
Montgomery	1											
Montgomery	1	3	2									
Montoursville	1		2									
Muncy Boro	2		1									
Muncy Creek	1							2				
Muncy Twp	2	3	1									
Platt	1	2	3									
Picture Rocks	2	3	1									
Pine	2	3	1		5	4						
Plunketts Creek	1	2	5	4	3	7				6		
Shrewsbury	1											
S. Williamsport	2		1									
Upper Fairfield	1											
Watson	1	2	3		4							
Watson	4	2	3		1						6	7
Wolf	2	3	1									
Wolf	1		3				2					
Wolf		2	1									

Appendix C : Municipal Ranks of Man Made Hazards

Municipality	MAN-MADE HAZARDS									
	HazMat	Dam Failure	Facility w/ Haz. Chem.	Forest/Brush Fires	Gas Lines	Highway Traffic	Illegal Dumping	Terrorism	Roads	Erosion due to building
Armstrong	1									
Brady			1							
Brown	2			1						
Clinton				2		1		3		
Cogan House	1									
Cummings	1					2				
Duboistown	2		1			3				
Gamble	1	2	3							
Hepburn										
Hughesville	1		2							
Hughesville	1		2							
Jackson	1									
Jordan	1		3			2			4	
Lewis	1	2		3						
Limestone		1								
Loyalsock	1									
McHenry	1					2				
Mifflin	1		4		3	2				
Mill Creek	1		2							
Montgomery	1									
Montgomery	1									
Montoursville	1									
Muncy Creek									1	
Muncy Twp	1				2					
Piatt	1	2								
Pine	1									
Plunketts Creek	2		1							
S. Williamsport		1								
Watson	1	6	3	7	4		2	5		
Wolf	1									

Appendix D: NFIP Participation

Municipality	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1990	1991
Anthony														
Armstrong														
Bastress														
Brady														
Brown														
Cascade														
Clinton														
Cogan House														
Cummings														
Duboistown														
Eldred														
Fairfield														
Franklin														
Gamble														
Hepburn														
Hughesville														
Jackson														
Jersey Shore														
Jordan														
Lewis														
Limestone														
Loyalsock														
Lycoming														
McHenry														
McIntyre														
McNett														
Mifflin														
Mill Creek														
Montgomery														
Montoursville														
Moreland														
Muncy														
Muncy Creek														
Muncy Twp.														
Nippenose														
Old Lycoming														
Penn														
Piatt														
Picture Rocks														
Pine														
Plunketts Creek														
Porter														

Municipality	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1990	1991
Salladasburg														
Shrewsbury														
South Williamsport														
Susquehanna														
Upper Fairfield														
Washington														
Watson														
Williamsport														
Wolf														
Woodward														

Appendix E: Funding Opportunities

Project Impact: Building a Disaster Resistant Community

Project Impact aims to reduce damage to life and property associated with natural hazards. By identifying risks, assessing vulnerabilities, and prioritizing prevention strategies, Project Impact communities position themselves to respond effectively during a hazard event. Not only are lives and property saved, but also businesses remain productive and repair costs are minimized. What began as a pilot project has expanded to some 200 communities nationwide. The importance of hazard mitigation planning cannot be under-emphasized. Proposed amendments to the Stafford Act (currently pending in Congress) would require local governments to develop mitigation plans in order to receive federal hazard mitigation funding. The Federal Emergency Management Agency (FEMA) already requires projects be consistent with a statewide Hazard Mitigation Plan as a pre-requisite to receive certain grant assistance (e.g. FEMA's Hazard Mitigation Grant Program).

◆ ***Eligible Applicants***

FEMA mostly provides technical assistance to Project Impact communities. However, in conjunction with Environmental Systems Research Institute (ESRI), the nation's leading provider of Geographic Information Systems (GIS) technology, FEMA has been able to provide seed money for innovative projects. In 1999, ESRI unveiled its Challenge Grant Program, which provided software and hardware to communities utilizing GIS as a part of their disaster-resistant strategy. ESRI's grant programs are typically not ongoing. However, due to the success of the Project Impact initiative, a second grant round is likely. Interested parties must be newly designated Project Impact Communities.

◆ ***Administering Agency***

Federal Emergency Management Agency

◆ ***Resources***

<http://www.esri.com/hazards.femagrants.html>

<http://www.fema.gov>

Hazard Mitigation Grant Program

The Robert T. Stafford Disaster Relief & Emergency Assistance Act of 1988 established the Hazard Mitigation Grant Program. A key purpose of the HMGP is to ensure that communities coordinate mitigation efforts before disaster strikes. It defines mitigation as "...any sustained action taken to reduce or eliminate long-term risk to people and property from natural hazards and their effects." Within the Commonwealth, the state solicits applications from eligible applicants and submits a funding request to the Federal Emergency Management Agency (FEMA) on a single application. The Commonwealth also manages approved projects. Projects must satisfy the following minimum criteria in order to be considered eligible for funding:

- Projects must contribute to the overall development plan or hazard mitigation plan for the area
- Projects should clearly reduce loss of life, economic hardship, and damage to critical facilities
- Projects should have the greatest potential to reduce future losses

Federal funds may provide up to 75 percent of total approved project costs. However, any one state cannot receive more than 15 percent of HMGP dollars appropriated for in any given fiscal year.

◆ ***Eligible Applicants***

States and local governments, private non-profit organizations or institutions; and Native American tribes and Alaskan Native villages.

◆ ***Administering Agency***

Pennsylvania Emergency Management Agency

◆ ***Resources***

<http://www.fema.gov>

Public Assistance Program

Designed to provide supplemental resources to states and local governments in the event of a federal disaster declaration, the Public Assistance Program (authorized by the Stafford Act) provides grant funds for the following:

- Debris removal
- Implementation of emergency protective measures
- Permanent restoration of infrastructure

Following a Presidential disaster declaration and a designation for public assistance by the Federal Emergency Management Agency (FEMA), eligible applicants may apply for recovery funds. Federal assistance is typically 75 percent of eligible costs.

◆ ***Eligible Applicants***

State government agencies; local governments (e.g. county, city, borough, regional authority); Indian tribes; and private nonprofit organizations whose primary purpose is to provide a public service.

◆ ***Administering Agency***

The State (in this case, PEMA) works in conjunction with the Federal Emergency Management Agency to manage the program and monitors grants that have been awarded.

◆ **Resources**

<http://www.fema.gov/r-n-r/pa/padocs.htm>

<http://www.fema.gov/r-n-r/paguided.htm>

Flood Mitigation Assistance Program

After the Great Midwest Floods of 1993, the federal government sought ways to enhance participation in the National Flood Insurance Program (NFIP) and to reduce federal disaster assistance expenditures. The Flood Mitigation Assistance Program was established with the passage of the National Flood Insurance Reform Act of 1994. In addition to tightening requirements for participation in the NFIP, the Act established a program that encourages communities to identify their flood vulnerabilities and to reduce their flood risk. Through the Flood Mitigation Assistance Program, FEMA offers two types of grants: (1) *Planning Grants* to develop or update Flood Mitigation Plans; and (2) *Project Grants* to implement measures to reduce flood losses. To be considered eligible, projects must directly benefit a National Flood Insurance Program (NFIP) participating community. If seeking ‘project grant’ assistance, the proposed activity must conform with the applicant’s Flood Mitigation Plan. Examples of eligible projects include:

- Elevation of insured structures
- Acquisition of insured structures and real property
- Relocation or demolition of insured structures
- Dry floodproofing of insured structures
- Minor, localized structural projects that are not fundable by State or other Federal programs
- Beach nourishment activities such as planting of dune grass

◆ ***Eligible Applicants***

Communities that participate in the National Flood Insurance Program (NFIP); any state agency, a qualified local organization.

◆ ***Administering Agency***

The State receives a direct grant from the Federal Emergency Management Agency (FEMA) and administers FMA funds through the Pennsylvania Emergency Management Agency (PEMA). PEMA establishes Pennsylvania’s mitigation priorities, reviews grant applications, and provides technical assistance.

◆ **Resources**

<http://www.fema.gov/mit/fmasst.htm>

Emergency Management Performance Grants (EMPG)

The largest of FEMA’s non-disaster grant programs, the Emergency Management Performance Grant (EMPG) has combined several FEMA funding streams into one grant program. The EMPG program encourages the development of comprehensive emergency management, including planning, preparedness, mitigation, response, and

recovery capabilities. While only States are eligible to receive EMPG grants, each state can sub-grant funds to units of local government based upon local emergency management priorities. EMPGs can be used to address emergency management needs in several functional areas:

- Laws and Authorities
- Hazard Identification and Risk Assessment
- Hazard Management
- Resource Management
- Planning
- Direction, Control, and Coordination
- Communications and Warning
- Operations and Procedures
- Logistics and Facilities
- Training & Exercises
- Public Education and Information
- Finance and Administration

◆ ***Eligibility***

Only states are eligible to apply for EMPGs. However, states can elect to distribute funds to local governments by adopting FEMA grant-making guidelines or establishing state-level funding requirements.

◆ ***Administering Agency***

Federal Emergency Management Agency (FEMA)

◆ ***Resources***

<http://www.fema.gov>

Radiological Emergency Response Fund (Act 147 of 1984)

The Radiological Emergency Response Fund, supported with fees assessed nuclear power plants, provides financial assistance to the twenty-six (26) designated RISK and SUPPORT counties to assist with the development of a detailed nuclear emergency response plan for areas surrounding each nuclear electrical generation facility, nuclear fabrication and away-from-reactor storage facility located in the Commonwealth. The program also supports training and equipment needs of State and local emergency response personnel

◆ ***Eligible Applicants***

Risk Counties

Beaver
Berks
Chester
Columbia
Cumberland

Support Counties

Adams Schuylkill
Allegheny Union
Bucks Washington
Butler Wyoming
Franklin

Dauphin	Lackawanna
Lancaster	Lawrence
Lebanon	Lehigh
Luzerne	Lycoming
Montgomery	Montour
York	Northumberland

- ◆ **Administering Agency**
Pennsylvania Emergency Management Agency (PEMA)

- ◆ **Resources**
http://sites.state.pa.us/PA_Exec/PEMA/programs/grants_and_services/act147.htm
<http://www.fema.gov/pte/rep>

Local Level Training Program

The State Fire Academy's Local Level Training Program provides on-site training to firefighters and emergency management personnel in the effective use of equipment and apparatus. Working in conjunction with Education Training Agencies, the State Fire Academy provides accredited instructors and curriculum on a range of subjects, such as arson detection, terrorism awareness, hazardous materials management, and incident command. Since the 1930s, this local level program has provided free and limited-fee training on an "as-needed, where-needed" basis. In addition to the Local level Training Program, the State Fire Academy has co-sponsored Fire College Weekend, an annual training program organized by the Central Area Fire Chiefs' Association of Lycoming County, Bucks County's Public Safety Training Center, and the the County of Lycoming Department of Public Safety. Since 1990, Fire College Weekend has been held in the City of Williamsport, attracting an average of 1,000 participants from throughout the Commonwealth.

- ◆ **Eligible Applicants**
Fire Departments and Emergency Service Organizations
- ◆ **Administering Agencies**
Office of the State Fire Commissioner, Pennsylvania State Fire Academy
Education Training Agencies (see attached list)
- ◆ **Resources**
http://sites.state.pa.us/PA_Exec/OFSC/training/training.htm

Emergency Medical Services Operating Fund (EMSOF)

Since the early 1980s, the Emergency Medical Services Operating Fund (EMSOF) has grown with the number of reported moving violations, which averages 1.2 million. For each reported moving violation in the Commonwealth, violators are charged \$10 (\$25 if DUI is involved). Each year, surcharges collected by county courthouses are submitted

to the State Treasurer's Office and reallocated to the state's sixteen (16) regional EMS councils. Under the guidance of the state Department of Health, regional Development Plans are prepared by each of Pennsylvania's EMS councils. These Development Plans establish project priorities and funding caps for the region's EMSOF allocation. Under special circumstances (i.e. financial hardship), the Department may increase its EMSOF reimbursement to support essential needs of ambulance and quick response services (QRS). Regional communication systems are an eligible use of EMSOF; however, all funding requests must satisfy the regional development priorities established by the appropriate EMS council. The following list highlights the range of projects and activities that can be supported through EMSOF:

- Regional EMS Development Plan Initiatives
- Quality Assurance/Improvement Initiatives
- Data Collection
- Training Equipment
- EMS Management Development Training Programs
- Recruitment and Retention Programs
- Eligible Equipment

Because EMSOF does not support the EMS System in its entirety, rural EMS providers are generally required to contribute 40% and non-rural providers are generally required to contribute 50% of the funds granted for essential equipment.

◆ ***Eligible Applicants***

All Pennsylvania licensed EMS providers are eligible to apply for EMSOF grants. Interested applicants should contact the EMS Council with jurisdiction to obtain program guidelines and application materials.

◆ ***Administering Agencies***

Regional EMS Councils (see attached list)
Emergency Medical Services Office, PA Department of Health

◆ ***Resources***

<http://www.health.state.pa.us/hap/ema/fact.htm>
<http://www.health.state.pa.us/gi/emsfund/htm>

Community Revitalization

For the past two years, this program has been allocated an unprecedented \$84.6 million by the General Assembly. Perhaps the most flexible of DCED's grant programs, Community Revitalization supports improvement projects that satisfy one or more of the following objectives:

- Improve the stability of the community;
- Promote economic development;
- Improve existing and develop new civic, cultural, recreational, industrial

- and other facilities;
- Assist in business retention, expansion, creation or attraction;
- Promote the creation of jobs and employment opportunities; and
- Enhance the health, welfare and quality of life of Pennsylvania citizens.

The administering agency makes every effort to distribute appropriations evenly throughout the fiscal year. However, because a single application is utilized for all DCED grant programs, applications for other grant opportunities may be considered alongside a CR request. Applicants should seek support from their district Representatives and Senators to advance a CR application.

Applications may be submitted at any time, but should not exceed one application during any fiscal year, which runs from July 1 through June 30. DCED regulations do not establish required minimum or maximum requests. However, the program has historically provided awards ranging from \$10,000 to \$50,000.

◆ ***Eligible Applicants***

General-purpose units of local government, municipal and redevelopment authorities, industrial development agencies, non-profit organizations, and community organizations are eligible to apply for funding.

◆ ***Administering Agency***

Pennsylvania Department of Community & Economic Development (DCED)

◆ ***Resources***

The DCED's Internet address is www.dced.state.pa.us. From this home page, navigating to funding resources is achieved by clicking "Improving Your Community" and "Economic Development." Program guidelines can be obtained by calling DCED's Customer Service Center at 1-800-379-7448.

Hazardous Material Emergency Planning & Response Act

Building upon the Emergency Planning & Community Right-to-Know Act (EPCRA), Act 165 designates Local Emergency Planning Committees (LEPCs) as the responsible entities for developing off-site emergency response plans, a requirement for every SARA facility in the Commonwealth. Off-site emergency response plans are developed in addition to a county's general emergency operations plan and must be reviewed by PEMA on an annual basis. Counties that adequately demonstrate an ability to manage HAZ MAT incidents will receive reimbursement from the Hazardous Materials Response Fund, which "stores" each county's fees within a fenced account. These fees enable local governments to support equipment, training and salaries of HAZ MAT personnel. In addition to the Hazardous Materials Response Fund, PEMA administers a matching grants program that can be utilized to provide equipment, training or salary reimbursement for first responder personnel (Hazardous Materials Emergency Preparedness Grant Program).

- ◆ **Eligibility**
Act 165 designated all Emergency Management Councils as the coordinating agency for dispersing Act 165 funds.
- ◆ **Administering Agency**
Pennsylvania Emergency Management Agency (PEMA)
- ◆ **Resources**
http://sites.state.pa.us/PA_Exec/PEMA/programs/Haz_Mat/index.htm

Hazardous Materials Emergency Preparedness Grant (HMEP)

Hazardous Materials Emergency Preparedness (HMEP) grants are made to grantees designated by each state governor. The Pennsylvania Emergency Management Agency (PEMA) is the designated grantee for the Commonwealth. Funded with registration fees collected from shippers and carriers of hazardous materials, the program supports the planning and training needs of first responders and local emergency planning committees (LEPCs) for enhanced hazardous materials response. All Pennsylvania counties have a Local Emergency Planning Committee (LEPC) that ensures compliance with SARA Title III and the Commonwealth's Act 165. Act 165 (Hazardous Material Emergency Planning & Response Act) requires each LEPC to develop an off-site response plan for every SARA facility in the Commonwealth.

HMEP grants require a 20% soft match, which can be achieved with Act 165 funds or in-kind contributions. In Pennsylvania, over \$370,000 in grant fees were collected for the 1998-1999 registration year as compared to a nationwide total of over \$7 million. The program continues its emphasis upon transportation-related HAZ MAT incidents.

Applications are typically due July of each year, with award announcements in September.

- ◆ **Eligible Applicants**
All 67 counties of the Commonwealth
- ◆ **Administering Agency**
U.S. Department of Transportation
- ◆ **Resources**
<http://www.epa.gov/ceppo>
<http://www.nrt.org>
<http://www.fema.gov/emi/HMEP/fedgrt.htm>

Appendix F: Commonwealth of PA Goals, Objectives and Action Strategies

Appendix 6 of Annex W; Commonwealth of Pennsylvania; Enhanced All - Hazard Mitigation Plan Preparation coordinated by: Bureau of Recovery and Mitigation, Pennsylvania Emergency Management Agency; Date: January 1, 2004, Revised: December 31, 2003. <http://www.landuseinpa.com/emap/CrosswalkOfPlan.htm>

1.4.b Hazard Mitigation Goals

1. To encourage actions that support: public safety during hazard events; natural hazard identification and awareness; hazard avoidance; damage minimization; environmental historic protection; and the mitigation of future severe and repetitive damage due to natural hazards.
2. To ensure that local and state agencies identify critical buildings, facilities, and infrastructure that are at risk of damage due to natural hazards, and to undertake feasible and cost-effective hazard mitigation measures to minimize future losses and expenditures.
3. To make hazard mitigation a public value.
4. To promote economic development consistent with floodplain management, building codes, and similar guidance.
5. To develop an effective public awareness programs for the natural hazards that Pennsylvania is most likely to experience.
6. To encourage scientific study of natural hazards and the development of data to support mitigation strategies for those hazards that are a threat to the Commonwealth.
7. To promote recognition of the value of hazard mitigation to the health, safety, and welfare of the population.

1.4.c Objectives

1. To implement mitigation actions to reduce loss of life and property.
2. To support zoning codes that foster floodplain management objectives throughout the state.
3. To identify mitigation opportunities for long-range planning consideration.
4. To identify agencies having primary interest in mitigation and the authorities, policies, and programs of each.
5. To develop a comprehensive state level mitigation program.
6. To organize, train, and maintain an effective State Hazard Mitigation team which will facilitate implementation of the Pennsylvania Hazard Mitigation Program described by this plan.




7. To gain the support of the executive and legislative branches of state government for the Pennsylvania Hazard Mitigation Plan.

1.4.d Hazard Mitigation Coordinating Strategy

Reduce hazard vulnerability by:

1. Identifying hazards, communicating and assessing hazard risk.
2. Encouraging education programs for municipal officials and the public where emphasis has been in community development of hazardous areas.
3. Using planning and regulatory measures to influence the location, type and amount of community development in hazardous areas, as well as the standard to which such development must be constructed.
4. Publicly procuring and managing lands that are vulnerable to damage from hazards (acquisition).
5. Developing assistance programs that enable communities to develop and implement disaster preparedness and response plans;
6. Installing and maintaining flood forecasting and warning systems;
and
7. Implementing minimization and structural Hazard Mitigation measures to protect people and property at risk.

Appendix G: Hazard Mitigation Action Strategies

ACTIVITY	LEVEL OF PRIORITY	PROJECT TYPE	MILESTONE	TARGET DATE	GROUP
		STRUCTURAL			
		PROPERTY PROTECTION			
		EMERGENCY SERVICES			
		NATURAL RESOURCE PROTECTION			
		PREVENTIVE ACTIVITY			
		PUBLIC OUTREACH			



LOW PRIORITY



MEDIUM PRIORITY



HIGH PRIORITY

Appendix H: Hazard Mitigation Priorities Sorted by Watershed

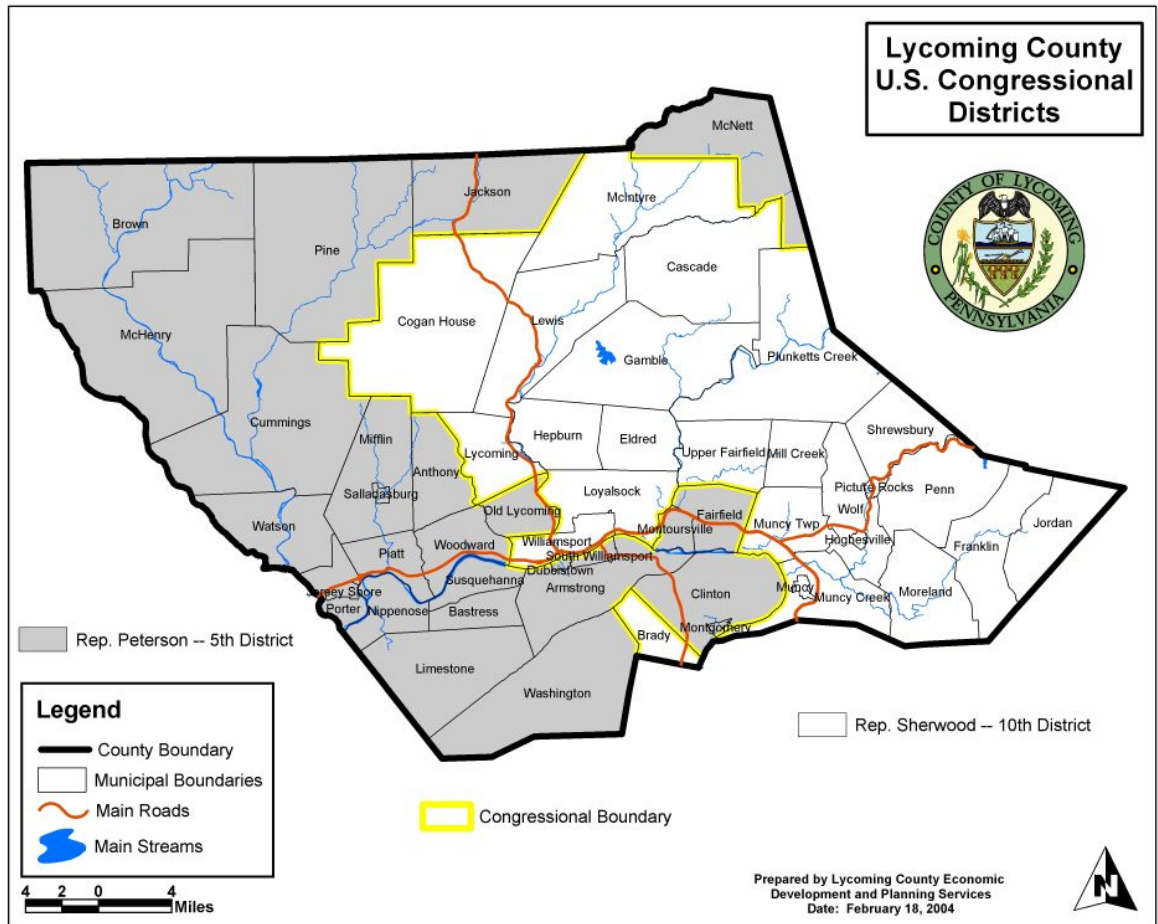
Watershed	Countywide Priority	Municipal Priority	Proj #	Municipality	Hazard	Page	Project
All	1		NRP 4	County Plan	Storm	102	Work with local authorities to identify Inflow & Infiltration problems within sanitary sewer and stormwater systems.
All	1		ES 15	Jersey Shore, Piatt, Porter, & County Plan	Flood	105 106 107	Improve dissemination of warnings for the County Flood Warning System Upgrade
All	1		ES18a	County Plan, Duboistown	Multi	108	Encourage use of Weather Radios
All	1		ES 28	County Plan	Flood	109	Continue to inspect high hazard dams & to update downstream dam evacuation plans
All	1		PA 3	County Plan	Multi	110	Incorporate mitigation planning within Comprehensive Planning
All	1		PI 10	County Plan	Flood	111	Reestablish the flood map service on the County web site using FEMA's FIRM delineations
All	1		ES 5	County Plan	Multi	113	Comprehensive School Safety & Critical Incident Management Program
All	2		NRP 3	County Plan	Multi	141	Adopt a Countywide Stormwater Management Ordinance and advocate Best Management Practices (BMPS) with quantity and rate.
All	2		ES 1	County Plan	Multi	142	Enlargement of County Emergency Operations Center (EOC)
All	2		ES 26	County Plan	Multi	143	Develop continuity of government plans for the County and other levels of government
All	2		ES 27	County Plan	Multi	144	Develop emergency plans to maintain operations at critical facilities (hospitals, police, fire)
All	2		PA 8	County Plan	Flood	146	Use technology to identify NFIP violations and strictly enforce Floodplain Management Ordinance for municipalities under contract with the County for Floodplain Management
All	2		PA 10	County Plan	Flood	147	Promote exceeding NFIP minimums in County and local floodplain management ordinances.
All	2		PA 12	County Plan	Multi	148	Amend County and municipal land use regulations to be consistent with sound land use principles and the latest best management principles
All	2		PA 16	County Plan	Multi	149	Incorporate mitigation projects into County Capital Investment Process
All	2		PI 5	County Plan	Flood	150	Participation in the CRS program. The County will provide assistance to communities to participate in the NFIP's Community Rating System
All	2		ES 11	Cummings, McHenry	Multi	151 152	Road closure: need improved evac/egress rte designation and maintenance/

All	3	ES 13	County Plan	Flood	154	Provide assistance with development of evacuation plans for flood-prone campgrounds
All	3	PA 14	County Plan	Subsidence	155	Discourage or control development in areas of carbonate geology
All	3	PA 19	Piatt	Multi	156	Prevent commercial development in backwater areas.
All	3	PI 4	County Plan	Multi	157	Continue to promote the benefits of property protection among homeowners and businesses in Lycoming County
All	3	PI 9	County Plan	Flood	158	Identify and maintain elevation reference marks
All	3		Watson	Forest Fire	162	Forest Fire Awareness/ Prevention ed
All	3	PA 9	County Plan	Flood	163	Use technology to assist municipalities to identify NFIP violations and strictly enforce Floodplain Management Ordinances
All	4	ES 3	County Plan	Fire	164	Encourage expanded participation in a County-administered fire incident reporting system that builds upon the framework developed by the State Fire Academy and State Fire Commissioner's Office
All	4	ES 14	County Plan	Flood	168	Utilize Forecasting Modeling & Inundation Mapping to predict potential flood damage centers and to provide advance telephone notification to at-risk populations
All	5	NRP 2	County Plan	Multi	176	Encourage implementation of the County's Water Supply Plan to include development of wellhead protection programs throughout the County
All	5	PI 13	Boro of Jersey Shore, Limestone, Loyalsock, Mifflin, Old Lycoming, Salladasburg, Upper Fairfield & County Plan	Flood	177	Continue to work for remapping of A Zones that need mapping updates. (Lawshee Run, Larry's Creek, Kaiser and Mill Creeks, Bottle Run and other populated general floodplain areas)
All	5	PI 14	McHenry, Shrewsbury & County goal	Flood	178-179	Work for restudy of floodplains that need mapping updates (No. Pine Creek, Muncy Creek, etc.)
All	5	PA 15	County Plan	Airport Hazard	180	Review County and municipal ordinances to control potential hazards in airport hazard areas
All	6	PI 3	County Plan	Subsidence	183	Work with municipal zoning administrators, planning commissions, and municipal officials to restrict development near sinkholes, areas of potential subsidence, and on steep and severe slopes.
All	6	PI 2	County Plan	Multi	184	Secure state funding to support the development of watershed associations
All	6	PA 4	County Plan	Storm	185	Continue to develop stormwater management plans for each watershed in the County

All	6	PI 6	County Plan	Multi	186	Encourage preparedness on an individual household level through enhanced public education programs.
All	6	ES 25	County Plan	Multi	187	Develop emergency plans for maintaining operations at businesses.
All	6	ES 20	County Plan	Multi	189	Continue working with the Department of Agriculture to protect our food supply
All	7	ES 6	County Plan	Multi	192	Develop GIS layer of wind direction and velocity patterns for use in potential Terrorist and HAZ-MAT situations.
All	7	SP	County Plan		194-215	Recommend that engineering reports be developed to determine if municipally proposed structural projects are feasible, worthwhile and cost effective. (See attached list of proposed structural projects)
All	8	PI 15	County Plan	Tornadoes/ Windstorms	217	Stabilize homes susceptible to flood damage and high-speed winds.
All	8	PI 16	County Plan	Terrorism	218	Encourage damage resistant construction to potentially reduce damages from terrorist acts.
Larry's Creek	7	PI 17	Mifflin	Flood	112	Evaluate A zone on Larry's Creek
Loyalsock	7	SP 12	County Plan & Borough of Montoursville		101	Montoursville Levee: To reduce flood hazards to existing properties, minimize post-disaster expenditures, and improve the County's capacity for emergency preparedness, response and recovery, construct a flood protection levee along the Loyalsock Creek to accommodate a new airport access road.
Lycoming	7	SP 11 NRP 5	Lower Lycoming (Lewis, Lycoming, Hepburn, Loyalsock, Old Lycoming) & County Plan	Flood	100	Lower Lycoming Flood Damage Reduction Project: Implement damage reduction measures to improve conveyance capacity and to protect the densely populated communities of the Lycoming Creek watershed. Identify environmentally sound flood damage reduction measures in the Lycoming Creek watershed.
Lycoming	5	ES 7	Old Lycoming	Haz Mat	182	EOP to deal with potential closure of Rte 15
Muncy Creek	6	ES 8	Hughesville, Wolf	HazMat	190 191	Routing of trucks carrying Haz Mat to avoid populated areas.
Muncy Creek	8	PA 18	Muncy Cr	Flood	216	Mandate with financial assistance that utilities and major appliances be elevated above reg flood
Muncy Creek	10	PA 2	Hughesville, Muncy Creek Township, Old Lycoming & Wolf Townships	Flood	219- 222	Where appropriate, removal of vegetation and gravel bars in the Creek at bridges
Pine	7	ES 9	McHenry, Watson	Multi	103 104	Road closure: need ADA compliant public emergency shelter and provisions

						159	<i>Develop a comprehensive vulnerability analysis survey and risk matrix that local municipalities can utilize to conduct and update their own risk assessments</i>
<i>Pine</i>		3	<i>PI 11</i>	<i>County Plan</i>	<i>Multi</i>		
<i>Pine</i>		3	<i>PA 5</i>	<i>Pine</i>	<i>Haz Mat</i>	160	<i>Identify and assess hazards</i>
<i>Pine</i>		4		<i>McHenry</i>	<i>Multi</i>	175	<i>Develop a multi-agency/ multi-municipal EOP for multiple hazards in the heart of Pine Creek Valley.</i>
<i>Pine</i>		5	<i>PA 13</i>	<i>Watson</i>	<i>Other: dumping/ abandoned vehicles</i>	181	<i>Ordinances/fine structure/ community watch</i>
<i>West Branch Susq.</i>		2	<i>PA 7</i>	<i>County Plan</i>	<i>Flood</i>	145	<i>Amend Ordinances to prohibit or regulate the development of new flood prone campgrounds and to provide for public safety concerns in existing facilities</i>
<i>West Branch Susq.</i>		4	<i>ES 12</i>	<i>Twp of Muncy</i>	<i>Multi</i>	167	<i>Lycoming Mall/ business area: re-evaluate evacuation plans</i>
<i>West Branch Susq.</i>		4	<i>PA 1</i>	<i>Boro of Duboistown, Twps of Eldred, Fairfield, Lewis, Pine, Plunkett's Creek, Muncy, Upper Fairfield, Washington</i>	<i>Flood</i>	169-174	<i>Debris removal from flooding sources, ditches and culverts as needed</i>
<i>West Branch Susq.</i>		6	<i>ES 19</i>	<i>Armstrong</i>	<i>Multi</i>	188	<i>Mitigate dangers posed by Fuel Storage Tank Farm</i>
<i>West Branch Susq.</i>		7	<i>PA 20</i>	<i>Piatt</i>	<i>Haz Mat</i>	193	<i>Enforce zoning regs regarding junkyards</i>
		2	<i>PP</i>	<i>County Plan</i>	<i>Flood</i>	114-140	<i>Continue County policy of property protection through acquisition and demolition, relocation, retrofitting, floodproofing as prioritized on the Property Protection Spreadsheet</i>
		3	<i>PI 18</i>	<i>County Plan</i>	<i>Flood</i>	161	<i>Establish monuments in communities to show the extent of flood inundation suffered in the flood of record</i>
		4		<i>Armstrong, Cummings, Jackson, Jersey Shore, Loyalsock, McHenry, Porter</i>	<i>Multi</i>	165 166	<i>EMA equipment, materials and clothing; Training, multi-municipal coordination and response planning</i>

Appendix I: Lycoming County Congressional Districts

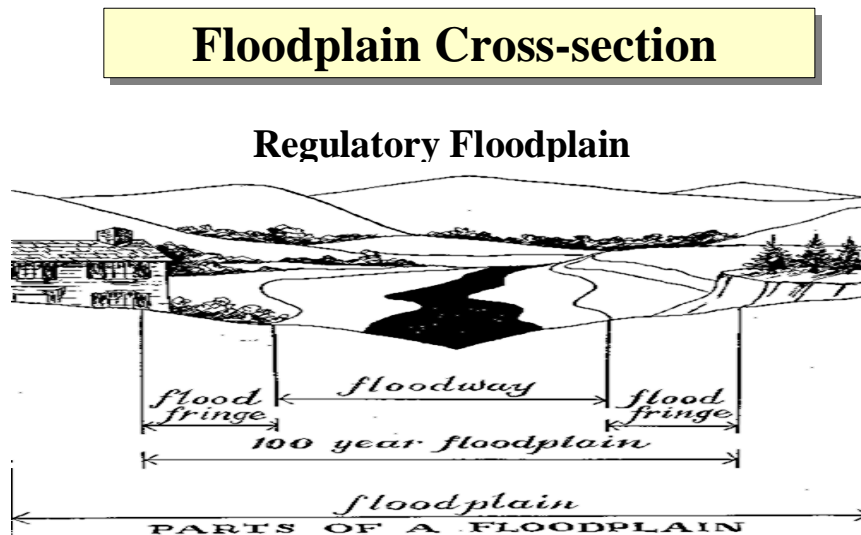


Appendix J: Parts of a Floodplain

The identification and assessment of flood hazards within this document relies upon the use of the National Flood Insurance Program definition of regulatory floodplain (i.e. 100-year floodplain). Although the definition of “regulatory floodplain” does not encompass the entire area subject to flooding, it is the minimum area required to be regulated by the National Flood Insurance Program. The one-hundred year floodplain (sometimes called the 1% flood or base flood) is commonly accepted as a “national standard” for planning, design and regulation purposes.

The cross-section depicted below shows the various parts of the regulatory floodplain. The following definitions will be used throughout this plan:

- ◆ **Floodway**—The designated part of the regulatory floodplain that carries and discharges floodwaters of a 100 year flood without cumulatively raising the flood elevation.
- ◆ **Floodway Fringe or Flood Fringe**—The designated part of the regulatory floodplain outside the floodway.
- ◆ **Regulatory Floodplain**—The basis for floodplain management—the 100 year flood elevation—includes both the floodway and the flood fringe.
- ◆ **500 Year Floodplain**—The designated area that is vulnerable to the 500 year flood



Appendix K: Municipal Resolutions

Municipality	Date	NFIP Participating	Page	Municipality	Date	NFIP Participating	Page
1. County of Lycoming	9/21/2004		249	28. Mifflin	10/12/2004	x	276
2. Anthony	10/14/2004	x	250	29. Mill Creek	10/7/2004	x	277
3. Armstrong	10/27/2004	x	251	30. Montgomery	10/13/2004	x	278
4. <i>Bastress</i>	<i>11/1/2004</i>	<i>x</i>	<i>252</i>	31. Montoursville	10/18/2004	x	279
5. Brady	10/11/2004	x	253	32. Moreland	10/15/2004	x	280
6. Brown	10/12/2004	x	254	33. <i>Muncy Boro</i>	<i>10/5/2004</i>	<i>x</i>	<i>281</i>
7. <i>Cascade</i>	<i>11/3/2004</i>	<i>x</i>	<i>255</i>	34. Muncy Creek	9/20/2004	x	282
8. Clinton	10/11/2004	x	256	35. Muncy Twp	10/13/2004	x	283
9. Cogan House	10/27/2004	x	257	36. Nippenose	10/5/2004	x	284
10. Cummings	10/12/2004	x	258	37. Old Lycoming	10/12/2004	x	285
11. Duboistown	10/11/2004	x	259	38. <i>Penn</i>	<i>10/28/2004</i>	<i>x</i>	<i>286</i>
12. Eldred	10/21/2004	x	260	39. Piatt	10/4/2004	x	287
13. Fairfield	10/4/2004	x	261	40. Picture Rocks	10/4/2004	x	288
14. <i>Franklin</i>	<i>11/1/2004</i>	<i>x</i>	<i>262</i>	41. Pine	10/7/2004	x	289
15. Gamble	10/12/2004	x	263	42. Plunketts Creek	10/4/2004	x	290
16. Hepburn	10/5/2004	x	264	43. Porter	10/12/2004	x	291
17. Hughesville	10/11/2004	x	265	44. Salladasburg	10/13/2004	x	292
18. Jackson	10/2/2004	x	266	45. Shrewsbury	10/11/2004	x	293
19. <i>Jersey Shore</i>	<i>11/1/2004</i>	<i>x</i>	<i>267</i>	46. South Williamsport	10/11/2004	x	294
20. Jordan	10/4/2004	x	268	47. Susquehanna	10/4/2004	x	295
21. Lewis	10/5/2004	x	269	48. Upper Fairfield	10/5/2004	x	296
22. Limestone	10/25/2004	x	270	49. <i>Washington</i>	<i>10/4/2004</i>	<i>x</i>	<i>297</i>
23. Loyalsock	10/12/2004	x	271	50. Watson	9/28/2004	x	298
24. Lycoming	10/5/2004	x	272	51. Williamsport	10/28/2004	x	299
25. McHenry	10/1/2004	x	273	52. Wolf	10/11/2004	x	300
26. McIntyre	10/4/2004	x	274	53. Woodward	10/19/2004	x	301
27. McNett	10/4/2004	x	275				

* *Italics are municipalities that were submitted in November 2004.*

COUNTY OF LYCOMING
RESOLUTION 2004-24

RECEIVED
OCT 6 2004
Lycoming County
Economic Developer
Planning Services

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act; and

WHEREAS, Section 322 of the Disaster Mitigation Act of 2000, mandates that County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

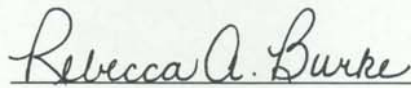
WHEREAS, in response to the mandate stated above, the County has prepared a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, the County has also prepared a hazard mitigation plan in order to reduce the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this County.


NOW THEREFORE, Be it Resolved that the Hazard Mitigation Plan of Lycoming County is approved, adopted, and put into immediate effect. This Plan shall be reviewed every five years to assure conformity to the requirements of the Pennsylvania Emergency Management Agency's Guidelines.

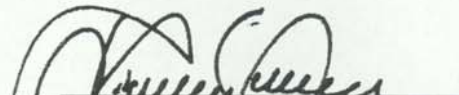
Duly adopted this 21st day of September, 2004.

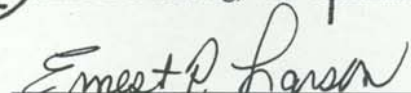
County of Lycoming


Rebecca A. Burke, Chairperson

ATTEST:


Andrew C. Follmer, Chief Clerk
(SEAL)


Richard T. Nassberg, Vice Chairman


Ernest P. Larson, Secretary

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of ANTHONY Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of ANTHONY Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Christopher S. Haines
Martin J. Paulhamus
Greg R. Doe

ATTEST:

Cinda S. Decker
Township Secretary
10/14/04
Date

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of ARMSTRONG Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of ARMSTRONG Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Glen L. Marble (Chairman)

ATTEST:

Barbara S. Thompson

Township Secretary

10/27/04

Date

RECEIVED

NOV 3 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Bastress Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Bastress Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

James L. Larson
John C. Detwrick
Carl E. Hennes

ATTEST:

Patricia C. Quibel
Township Secretary
Nov 1, 2004
Date



BRADY TOWNSHIP SUPERVISORS
 LYCOMING COUNTY
 1986 ELIMSPORT ROAD
 MONTGOMERY, PA 17752
 TELEPHONE: 570-547-2220 • FAX: 570-547-2215

RECEIVED

OCT 13 2004

Lycoming County
 Economic Development &
 Planning Services

Resolution
 No. 04-04

THIS RESOLUTION approved and adopted by the Supervisors of Brady Township Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Brady Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

[Signature]
John L. Masser
Ray A. DeLorme

ATTEST:

Linda K. Bower
 Township Secretary
10-11-04
 Date

Resolution 10.12.04.01

THIS RESOLUTION approved and adopted by the Supervisors of Brown Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Brown Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

James W. Pauck

Robert C. Silbaugh

Robert E. Dryel

ATTEST:

Erin L. Pauck
Township Secretary

Oct. 12, 2004
Date

Countywide Priority	Municipal Priority	Proj #	Municipality	Hazard	Page	Project
1		SP 11 NRP 5	Lower Lycoming (Lewis, Lycoming, Hepburn, Loyalsock, Old Lycoming) & County Plan	Flood	100	Lower Lycoming Flood Damage Reduction Project: Implement damage reduction measures to improve conveyance capacity and to protect the densely populated communities of the Lycoming Creek watershed. Identify environmentally sound flood damage reduction measures in the Lycoming Creek watershed.
1		SP 12	County Plan & Borough of Montoursville		101	Montoursville Levee: To reduce flood hazards to existing properties, minimize post-disaster expenditures, and improve the County's capacity for emergency preparedness, response and recovery, construct a flood protection levee along the Loyalsock Creek to accommodate a new airport access road.
1		NRP 4	County Plan	Storm	102	Work with local authorities to identify inflow & infiltration problems within sanitary sewer and stormwater systems.
1		ES 9	McHenry, Watson	Multi	103 104	Road closure: need ADA compliant public emergency shelter and provisions
1		ES 15	Jersey Shore, Piatt, Porter, & County Plan	Flood	105 106 107	Improve dissemination of warnings for the County Flood Warning System Upgrade
1		ES18a	County Plan, Duboistown	Multi	108	Encourage use of Weather Radios
1		ES 28	County Plan	Flood	109	Continue to inspect high hazard dams & to update downstream dam evacuation plans
1		PA 3	County Plan	Multi	110	Incorporate mitigation planning within Comprehensive Planning
1		PI 10	County Plan	Flood	111	Reestablish the flood map service on the County web site using FEMA's FIRM delineations
1		PI 17	Mifflin	Flood	112	Evaluate A zone on Larry's Creek
1		ES 5	County Plan	Multi	113	Comprehensive School Safety & Critical Incident Management Program
	1		Brown	Multi		acquire large loader to remove sleet and mudslides

County-wide Priority	Municipal Priority	Proj #	Municipality	Hazard	Page	Project
2		PP	County Plan	Flood	114-140	Continue County policy of property protection through acquisition and demolition, relocation, retrofitting, floodproofing as prioritized on the Property Protection Spreadsheet
2		NRP 3	County Plan	Multi	141	Adopt a Countywide Stormwater Management Ordinance and advocate Best Management Practices (BMPS) with quantity and rate.
2		ES 1	County Plan	Multi	142	Enlargement of County Emergency Operations Center (EOC)
2		ES 26	County Plan	Multi	143	Develop continuity of government plans for the County and other levels of government
2		ES 27	County Plan	Multi	144	Develop emergency plans to maintain operations at critical facilities (hospitals, police, fire)
2	2	PA 7	Brown County Plan	Flood	145	Amend Ordinances to prohibit or regulate the development of new flood prone campgrounds and to provide for public safety concerns in existing facilities
2		PA 8	County Plan	Flood	146	Use technology to identify NFIP violations and strictly enforce Floodplain Management Ordinance for municipalities under contract with the County for Floodplain Management
2		PA 10	County Plan	Flood	147	Promote exceeding NFIP minimums in County and local floodplain management ordinances.
2		PA 12	County Plan	Multi	148	Amend County and municipal land use regulations to be consistent with sound land use principles and the latest best management principles
2		PA 16	County Plan	Multi	149	Incorporate mitigation projects into County Capital Investment Process
2		PI 5	County Plan	Flood	150	Participation in the CRS program. The County will provide assistance to communities to participate in the NFIP's Community Rating System
2		ES 11	Cummings, McHenry	Multi	151 152	Road closure: need improved evac/egress rte designation and maintenance/

County-wide Priority	Municipal Priority	Proj #	Municipality	Hazard	Page	Project
3		ES 4	County Plan	Multi	153	Coroner's Office Response Planning included in Emergency Operations Plans
3	3	ES 13	Brown County Plan	Flood	154	Provide assistance with development of evacuation plans for flood-prone campgrounds
3		PA 14	County Plan	Subsidence	155	Discourage or control development in areas of carbonate geology
3		PA 19	Piatt	Multi	156	Prevent commercial development in backwater areas.
3		PI 4	County Plan	Multi	157	Continue to promote the benefits of property protection among homeowners and businesses in Lycoming County
3		PI 9	County Plan	Flood	158	Identify and maintain elevation reference marks
3		PI 11	County Plan	Multi	159	Develop a comprehensive vulnerability analysis survey and risk matrix that local municipalities can utilize to conduct and update their own risk assessments
3		PA 5	Pine	Haz Mat	160	Identify and assess hazards
3		PI 18	County Plan	Flood	161	Establish monuments in communities to show the extent of flood inundation suffered in the flood of record
3			Watson	Forest Fire	162	Forest Fire Awareness/ Prevention
3		PA 9	County Plan	Flood	163	Use technology to assist municipalities to identify NFIP violations and strictly enforce Floodplain Management Ordinances

County-wide Priority	Municipal Priority	Proj #	Municipality	Hazard	Page	Project
4		ES 3	County Plan	Fire	164	Encourage expanded participation in a County-administered fire incident reporting system that builds upon the framework developed by the State Fire Academy and State Fire Commissioner's Office
4			Armstrong, Cummings, Jackson, Jersey Shore, Loyalsock, McHenry, Porter	Multi	165 166	EMA equipment, materials and clothing; Training, multi-municipal coordination and response planning
4		ES 12	Twp of Muncy	Multi	167	Lycoming Mall/ business area: re-evaluate evacuation plans
4		ES 14	County Plan	Flood	168	Utilize Forecasting Modeling & Inundation Mapping to predict potential flood damage centers and to provide advance telephone notification to at-risk populations
4		PA 1	Boro of Duboistown, Twps of Eldred, Fairfield, Lewis, Pine, Plunkett's Creek, Muncy, Upper Fairfield, Washington	Flood	169-174	Debris removal from flooding sources, ditches and culverts as needed
4	4		Brown McHenry	Multi	175	Develop a multi-agency/ multi-municipal EOP for multiple hazards in the heart of Pine Creek Valley.

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Cascadi Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Cascadi Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

[Signature] 11/03/2004
[Signature] 11/03/2004
[Signature] 11/3/04

ATTEST:

Karen L. Colucci
Township Secretary
11-3-2004
Date

RECEIVED

OCT 15 2004

Lycoming County
Economic Development &
Planning Services

Resolution # 04-4

WHEREAS, the Supervisors of the Township of Clinton, Lycoming County, PA ("Township") recognize that 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000; and,

WHEREAS, the Township recognizes that pursuant to the above named federal regulations state and local governments must have approved local mitigations plans by November 1, 2004 in order to be eligible for certain categories of federal disaster mitigation funds in accordance with CFR 201.6; and, must also prepare, maintain and keep current a hazard mitigation plan for evaluating hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents; and,

WHEREAS, in response to the requirements stated above this Township has affirmed a commitment to Lycoming County and has accepted the assistance of County Official's in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

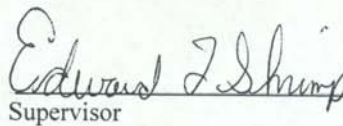
WHEREAS, the Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

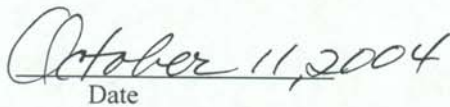
NOW, THEREFORE, we, the undersigned Supervisors of Clinton Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

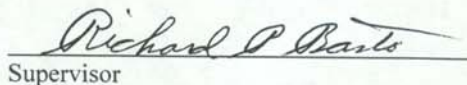
BE IT FURTHER RESOLVED, that the Chairman and Secretary of the Township are hereby authorized to execute the necessary papers, documents, etc., for the purpose of carrying out the foregoing.

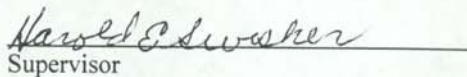
ATTEST:


Secretary


Supervisor


Date


Supervisor


Supervisor

RECEIVED

OCT 29 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Cogan House Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Cogan House Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Samuel J. Swerman
James H. Horne

ATTEST:

Kathie A. Zrance
Township Secretary

10-27-04

Date

CUMMINGS TOWNSHIP
P.O. Box 117
Waterville, Pa. 17776

RECEIVED

2004-4

OCT 18 2004

Resolution

Lycoming County
Economic Development &
Planning Services

THIS RESOLUTION approved and adopted by the Supervisors of Cummings Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

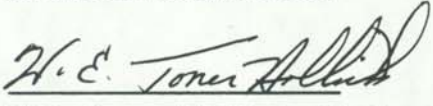
WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

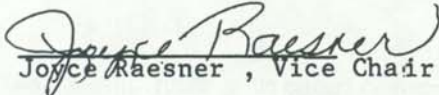
WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

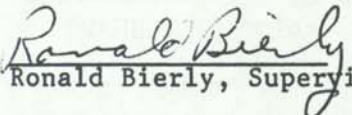
WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Cummings Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

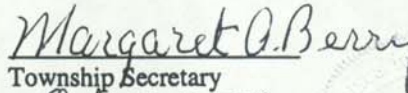
BOARD OF SUPERVISORS:


W.E. Toner Hollick, Chairman


Joyce Raesner, Vice Chair


Ronald Bierly, Supervisor

ATTEST:


Margaret A. Berry
Township Secretary
Oct. 12, 2004
Date



RECEIVED

OCT 13 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Council of DuBoistown Borough of County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Borough has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Borough has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Council of DuBoistown Borough do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

Borough Council:

[Signature]
Cathy W. Frownt
[Signature]
Chad L. Fey
[Signature]
Norman J. Cumber
[Signature]

[Signature]
Mayor

Attest:
[Signature]
Borough Secretary Date 10-11-04

RECEIVED

OCT 25 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Eldred Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Eldred Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

John D. Harvey
James E. Bannan
Mark R. Runk

ATTEST:

James E. Bannan
Township Secretary
October 21, 2004
Date

FAIRFIELD TOWNSHIP, LYCOMING COUNTY

RESOLUTION 100404-01 – HAZARD MITIGATION PLAN

The Resolution approved and adopted by the Supervisors of Fairfield Township, Lycoming County, Pennsylvania, on this 4th day of October 2004.

WHEREAS, 44 CFR Part 201 (Hazard Mitigation Planning) establishes criteria for hazard mitigation planning authorized by Section 322 of the Stafford Act, as amended by Section 104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000 mandates that Lycoming County prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health, safety, and welfare of County residents; and

WHEREAS, in response to that mandate, Fairfield Township has affirmed a commitment to Lycoming County that they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long term risk to life and property from natural and technological hazards; and

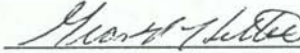
WHEREAS, Fairfield Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety, and welfare of the residents of Fairfield Township through the efforts outlined in this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Fairfield Township, Lycoming County, do hereby approve, adopt and place into immediate effect the Lycoming County Hazard Mitigation Plan. This plan shall be reviewed every five (5) years to make certain that it conforms to the requirements of the provisions set forth in the Pennsylvania Emergency Management Agency's guidelines.

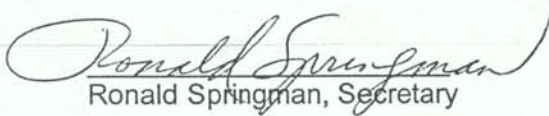
FAIRFIELD TOWNSHIP, LYCOMING COUNTY



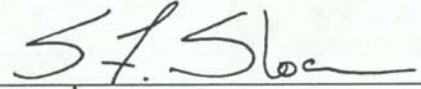
Robert Wein, Chairman



Grant Hetler, Vice-Chairman



Ronald Springman, Secretary



Scott Slocum, Supervisor

FRANKLIN TOWNSHIP
RESOLUTION NUMBER 2004-04

THIS RESOLUTION approved and adopted by the Supervisors of Franklin Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by section 322 of the Stafford Act, as amended by section 104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and


WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety, and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Franklin Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

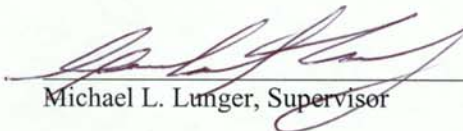
BOARD OF SUPERVISORS:



Terry L. Fenstermaker, Chairman



Dorrance H. Berger, Supervisor



Michael L. Lunger, Supervisor

ATTEST:



Dale Louise Robbins, Secretary/Treasurer

Date: 11/01/04

Resolution
02-2004

THIS RESOLUTION approved and adopted by the Supervisors of GAMBLE Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

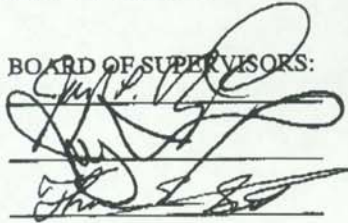
WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Gamble Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:



ATTEST:

Barbara Kresky

Township Secretary

10/26/04
Date

Resolution
10.05.04(2)

THIS RESOLUTION approved and adopted by the Supervisors of HEPBURN Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of HEPBURN Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:
Rand Lepley
Jay North
Michael H. H. H.

ATTEST:

Kenneth R. Andrews
Township Secretary
Feb 25, 2004
Date

Resolution

5-2004

RESOLUTION approved and adopted by the Council of Hughesville County of Lycoming, Pennsylvania, on the date hereinafter set forth.

Borough

WITN

AS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for on planning authorized by §322 of the Stafford Act, as amended by §104 Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000. the County of Lycoming; prepare, maintain and keep current a hazard for evaluating the County's hazards, identifying resources and acting appropriate actions, and developing and implementing mitigation eliminate or reduce future damage from those hazards in order to protect the and welfare of residents within this County; and

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AS, in response to the mandate stated above, this Borough has affirmed a he County they have assisted in preparing a hazard mitigation plan to effective action taken to eliminate or reduce the long-term risk to life n natural and technological hazards; and

commit
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and pro

AS, this Borough has also committed to reducing the potential affects of y or disaster and to protect the health, safety and welfare of the municipality through the efforts outlined by this plan:

a major
resident

HEREFORE, we, the undersigned Council of Hughesville Borough do adopt and place into immediate effect the County of Lycoming Hazard This Plan shall be reviewed every five years to make certain that it requirements of the provisions set forth by the Pennsylvania Emergency ncy's Guideline.

hereby
Mitigati
conform
Managem

Borough
Council

[Handwritten Signature]

William J. Edner
Mayor

Attest:
Rebecca J. Fought 10/11/04
Borough Secretary Date

RECEIVED

OCT 19 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Jackson
Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Jackson Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

David L. Graft
Donald W. Breyer
Clarence E. Matheuer

ATTEST:

David L. Graft
Township Secretary
10-2-04
Date

RECEIVED

NOV 18 2004

Lycoming County
Economic Development &
Planning Services

Resolution 9-2004

THIS RESOLUTION approved and adopted by the Council of JERSEY SHORE Borough of County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

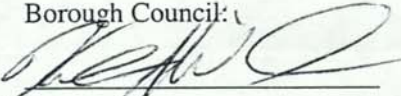
WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

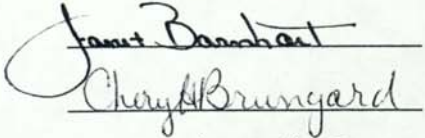
WHEREAS, in response to the mandate stated above, this Borough has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

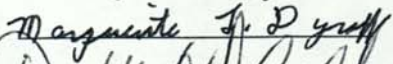
WHEREAS, this Borough has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;


NOW, THEREFORE, we, the undersigned Council of JERSEY SHORE Borough do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

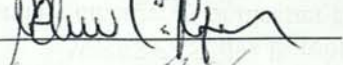
Borough Council:

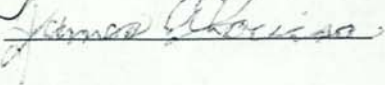


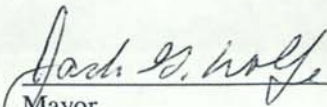
Janet Bambart


Cheryl Brungard


Margaret J. D. York


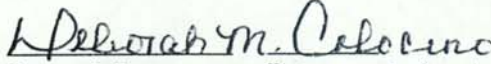






Mayor

Attest:



Borough Secretary Date 11/1/04

Resolution # 3 OF 2004

THIS RESOLUTION approved and adopted by the Supervisors of JORDAN Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of JORDAN Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:
Robert L. Underbark
Dale L. Sloth
Roger K. Boyer

ATTEST:

Dorothy B. Schimoyer
Township Secretary
OCTOBER 4, 2004
Date



RECEIVED

OCT 12 2004

Lycoming County
Economic Development &
Planning Services

Resolution # 2004-3

THIS RESOLUTION approved and adopted by the Supervisors of LEWIS Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of LEWIS Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

[Signature]
Wm B Long
[Signature]

ATTEST:

Mary Lou Coleman

Township Secretary

10/5/04

Date

RECEIVED

OCT 27 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Limestone Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Limestone Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Dean S. Lehman

Fredrick N. Callahan

Lavern A. Lorson

Dean S. Lehman, Chairman
Fredrick N. Callahan, Vice Chairman
Lavern A. Lorson, Supervisor

ATTEST:

Jeanne M. Ingle
Township Secretary

October 25, 2004
Date

RECEIVED

OCT 15 2004

Lycoming County
Economic Development &
Planning Services

TOWNSHIP OF LOYALSOCK
RESOLUTION 2004-21

A RESOLUTION OF THE TOWNSHIP OF LOYALSOCK
COUNTY OF LYCOMING, COMMONWEALTH OF PENNSYLVANIA,
APPROVING AND ADOPTING A HAZARD MITIGATION PLAN.

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by § 322 of the Strafford Act, as amended by § 104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Loyalsock Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

I HEREBY CERTIFY THAT this Resolution was adopted by the Loyalsock Township Board of Supervisors at its regular meeting on October 12, 2004.

ATTEST:

Mary Ann Meller
Secretary

LOYALSOCK TOWNSHIP
BOARD OF SUPERVISORS

[Handwritten Signature]
[Handwritten Signature]
[Handwritten Signature]

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Lycoming Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Lycoming Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Robert E. Wayne
Carl E. Raab
Dennis L. Paulkammer

ATTEST:

Heely J. McCreary
Township Secretary
10/05/04
Date



(Lycoming Co.)

McHENRY TOWNSHIP
CAMMAL, PA 17723



(Est. 1861)

RECEIVED

OCT 4

Resolution No. 10-01-04

Lycoming
Economic Development
&
Planning

A Resolution of the McHenry Township Board of Supervisors, Lycoming County, Commonwealth of Pennsylvania, approving and adopting the Lycoming County (All) Hazard Mitigation Plan.


WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by § 104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, be it resolved that the undersigned Supervisors of McHenry Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

Resolved this 1st day of October, 2004


Chairman, McHenry Township Supervisors


Supervisor

Attest: 
Secretary, McHenry Township

Supervisor

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of McIntyre Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of McIntyre Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Albert L. Boyer - Chairman

Henry T. Jones

Daniel P. Clark

ATTEST:

Daniel P. Clark

Township Secretary
October 4, 2004

Date

RECEIVED

OCT 19 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of McNitt
Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of McNitt Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Albert C. Stalder
Phyllis A. Clegg
James M. Kille

ATTEST:

Joanne M. Kelle
Township Secretary
10/4/04
Date

RECEIVED

OCT 19 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Mifflin Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Mifflin Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Bill B. Forcey
Lois Murray

ATTEST:

Elaine C. Yonker
Township Secretary
10-12-04
Date

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Mill Creek Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Mill Creek Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

[Signature]
[Signature]
Mark M. Allen

ATTEST:

Norma J. Zeisler
Township Secretary
10/17/04
Date

RECEIVED

OCT 14 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Council of Montgomery
Borough of County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

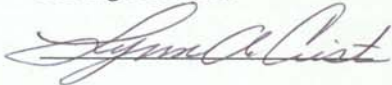
WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Borough has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Borough has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Council of Montgomery Borough do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

Borough Council:




Mayor

Attest:


Asst. Borough Secretary

10-13-04
Date

Lycoming County Hazard Mitigation Plan

Property Protection Priorities

Priority	Munic. Priority	Proj. Type	Proj #	Municipality	Hazard	Project
1		Acq	PP1	Lycoming & Old Lycoming	Flood	Acquisition of Floodway properties in the Heshbon -Heppburnville Area
2		Acq	PP2	Lewis	Flood	Acquisition or relocation of eligible properties (Willowan/ Bittner's)
3		Acq	PP3	Old Lycoming	Flood	Acquisition of Repetitive Loss properties in southern Old Lycoming Township
4		Acq	PP4	Heppburn	Flood	Acquisition of properties in submitted grant
5	5	Retro	PP5	Boros of Jersey Shore, Montgomery and Duboistown	Flood	Improve Floodproofing of Sewage Treatment Plants/Transfer Stations in Jersey Shore, Montgomery and Duboistown
6		Acq	PP6	Lewis	Flood	Acquisition of other repetitive loss or floodway properties
7		Retro	PP7	Boro of Jersey Shore	Flood	Floodproofing residential and commercial properties including facility w 1 ton+ of chlorine
8	6/1	Retro	PP8	Boro of Montgomery	Flood	Retrofitting in Broad St. Area and at Robert Montgomery Housing Project
9		Acq	PP9	Boro of Muncy	Flood	Continue existing acquisition area
10		Retro	PP10	Boro of Muncy	Flood	Retrofitting of flood prone structures
11		Retro	PP11	Picture Rocks	Flood	Retrofit of flood prone structures
12		Retro	PP12	Upper Fairfield	Flood	Retrofit of flood prone structures
13		Retro	PP13	Muncy Cr	Flood	Mandate with financial assistance that utilities and major appliances be elevated above reg flood
14		Retro	PP14	Porter	Flood	Retrofitting
15		Retro	PP15	Twp of Brady	Flood	Retrofit Brady Township Community Center
16	54	Acq	PP16	Boro of Montgomery	Flood	Targeted Acquisition and Demolition of Industrial Complex
17	2	Acq	PP17	Boro of Montgomery	Flood	Acquisition and demo of West Houston Ave properties
18		Acq	PP18	Loyalsock	Flood	Acquisition of floodway and repetitive loss properties on Lycoming Creek (contingency)
19		Retro	PP19	Loyalsock	Flood	Retrofit Flood fringe properties on Lycoming Creek (contingency)
20		Retro	PP20	Boro of Montoursville	Flood	Retrofit properties if levee not feasible (contingency)
21		Retro	PP21	Loyalsock	Flood	Retrofitting of Floodway fringe properties on Loyalsock Creek (contingency)

Structural Project Spreadsheet			
Municipal Priority	Municipality	Hazard	Project
	Armstrong	Flood	Berm/dike to protect Sylan Dell
	Clinton	Flood	Clinton Twp Commercial Area Black Hole Creek Mitigation Project: bank erosion and flooding effects 5 businesses need streambank stabilization/ drainage improvements
	Duboistown	Flood	Berm Mosquito Creek/control erosion
	Gamble	Flood	Stream/roadwork to prevent road closure of SR 1003 in high water event
	Jersey Shore	Flood	Lawshee Run
	Mill Cr	Storm	Widen and construct better ditches, enlarge culverts to Firetower, Mountain and Tallow Bottom Rd
3	Montgomery	Flood	Conveyance issue w RR underpass/ improved conveyance capacity or reroute stream
	Montoursville	Flood	Retention Ponds on Coffee Town Run
	Muncy Boro	Flood	Glade Run/ potential streambank restoration
	Muncy Cr	Flood	Major streambank restoration in developed floodprone areas
	Piatt	Flood	Create ponding and sedimentation areas in the hollows to reduce flooding on major streams. (EX: Cement Hollow, Spook Hollow, above Rte 287)
	Pine	Storms	Install new headwalls, pipes, ditches
	Pine	Flood	Repair and rebuild levees on Little Pine Crk Floodway
	Plunketts Cr	Multi	Dam and spill way removal from Big Bear Creek to save Dunwoody Rd (main evac rte) and allow creek to return to original course /Fluvial Geomorphology projects on Big Bear, Plunkett's, and Loyalsock Creeks and Engle Run/restore former Creek path at Barbours and Cove area by Lower Manor Rd.
	Plunketts Cr	Multi	Stabilize landslide areas on Dunwoody and Scaife Rds
	Porter	Storm	Increased capability for stormwater management
	South Williamsport	Flood	Hagerman's Run project: remove vegetation/add rip-rap; increase inlets at Curtain & Main St pump stations;
	South Williamsport	Flood	Raise the levee

ORIGINAL

RESOLUTION NO. 2004 - 15
MONTOURSVILLE BOROUGH

THIS RESOLUTION approved and adopted by the Council of Montoursville Borough of County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Borough has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

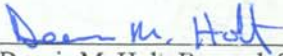
WHEREAS, this Borough has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

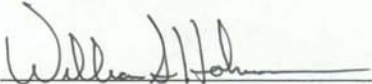
NOW, THEREFORE, the Council of Montoursville Borough does hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

This Resolution was adopted at the regular monthly meeting held on the 18th day of October, 2004.

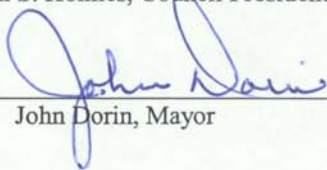
ATTEST:

MONTOURSVILLE BOROUGH


Dennis M. Hoit, Borough Secretary


William S. Holmes, Council President

APPROVED BY:


John Dorin, Mayor

Resolution 3-04

THIS RESOLUTION approved and adopted by the Supervisors of MORELAND Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

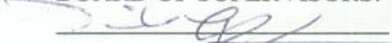

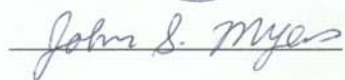
WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

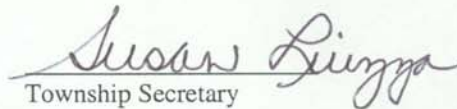
WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Moreland Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

ATTEST:


Township Secretary

Date Oct. 15, 2004

Resolution

2004-08

THIS RESOLUTION approved and adopted by the Council of Muncy Borough of County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Borough has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Borough has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Council of Muncy Borough do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

Michael A. Fornwalt
Michael Fornwalt, President
Borough Council

Anthony Rizzo
Anthony Rizzo, Mayor



ATTEST:

Elaine McAleer
Elaine McAleer, Secretary
Borough Council

10-5-04

RECEIVED

OCT 20 2004

Lycoming County
Economic Development &
Planning Services

Resolution 04-46

THIS RESOLUTION approved and adopted by the Supervisors of Muncy Creek Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Muncy Creek Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Richard M. Biddle
David A. Rupert
Robert J. McKay

ATTEST:

Cindy Rousseau
Township Secretary
9/30/04
Date

RECEIVED

OCT 15 2004

Lycoming County
Economic Development &
Planning Services

Resolution #101304

THIS RESOLUTION approved and adopted by the Supervisors of Muncy
Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Muncy Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Paul C. Wentzler
Jack S. McCoy
Rermuth N. Snyder

ATTEST:

Wendy J. Baxter
Township Secretary
10-13-04
Date

NIPPENOSE TOWNSHIP
ANTES FORT, PA.

Resolution No. 04-4

RECEIVED

OCT 27 2004

Lycoming County
Economic Development &
Planning Services

THIS RESOLUTION approved and adopted by the Supervisors of Nippenose Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Nippenose Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Wendell A. Palsh

William E. Johnson

ATTEST:

Geraldine Snook

Township Secretary

10-5-04

Date

RECEIVED

OCT 18 2004

Lycoming County
Economic Development &
Planning Services

Resolution - 10.12.04-01

THIS RESOLUTION approved and adopted by the Supervisors of Old Lycoming Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of ^{Old} Lycoming Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Robert S. Markle
Robert S. Markle

John W. Eck
John W. Eck

Janet C. Hall
Janet C. Hall

ATTEST:

Linda J. Mazzullo

Township Secretary

10-12-04

Date



Resolution i-2004

THIS RESOLUTION approved and adopted by the Supervisors of Penn
Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Penn Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Dale Beatty
David Reese
Kenneth M. Stackhouse

ATTEST:

Brenda Dawne
Township Secretary
11-25-04
Date

Resolution #2004-3

THIS RESOLUTION approved and adopted by the Supervisors of Pitt Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth. October 4th, 2004

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Pitt Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

[Signature]
[Signature]
[Signature]

ATTEST:

[Signature]
Township Secretary
10-4-04
Date

BOROUGH OF PICTURE ROCKS
P.O. BOX 410
PICTURE ROCKS, PA 17762
570-584-6362
picturerocksborough@suscom.net

RESOLUTION NO. 10-04

THIS RESOLUTION approved and adopted by the Council of Picture Rocks Borough of County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by #322 of the Stafford Act, as amended by #104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

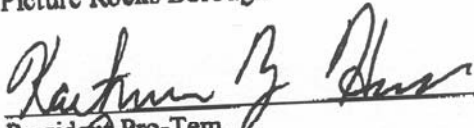
WHEREAS, in response to the mandate stated above, this Borough has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Borough has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

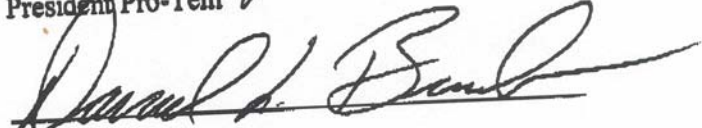
NOW, THEREFORE, the Picture Rocks Borough Council does hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

ADOPTED THIS 4TH DAY OF October 2004

Borough Council
Picture Rocks Borough




President Pro-Tem



Mayor





Secretary

RECEIVED

OCT 13 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Pine Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Pine Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

[Signature]
Victor L. Mahoney
Maya A. Norlem

ATTEST:

Bonnie J. Phelps
Township Secretary
Oct 14, 2004
Date

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Plunketts Creek Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Plunketts Creek Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Ray H. Libalio
Marion J. Brumgar
Raymond E. Lewis Jr.

ATTEST:

Christina Mays
Township Secretary
10/4/04
Date



RECEIVED

OCT 14 2004

Lycoming County
Economic Development
Planning Services

Resolution #2004-2

THIS RESOLUTION approved and adopted by the Supervisors of Porter Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Porter Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

William H. Balling
John T. Lagrone
Paul F. West

ATTEST:

Justin D. Kern
Township Secretary
10-12-04
Date

RECEIVED

OCT 18 2004

Resolution

Lycoming County
Economic Development &
Planning Services

THIS RESOLUTION approved and adopted by the Council of Salladasburg
Borough of County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Borough has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Borough has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Council of Salladasburg Borough do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

Borough Council:

Robert M. Shirk
Dan I. Hise

Michael J. Flock
Mayor

Attest:

Judith A. Cochuck 10/13/04
Borough Secretary Date

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of SHREWSBURY Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of SHREWSBURY Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Cheryl A. Young
Malcolm
Terry

ATTEST:

Sherry Young
Township Secretary
Oct 11, 2004
Date

Resolution No 2004-11

THIS RESOLUTION approved and adopted by the Council of the Borough of South Williamsport, County of Lycoming, Pennsylvania, on the date hereinafter set forth,

WITNESS TO:

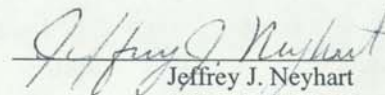
WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation, planning authorized by 322 of the Stafford Act, as amended by 104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current, a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Borough has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

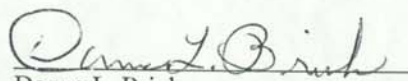
WHEREAS, this Borough has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the Council of the Borough of South Williamsport do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

ADOPTED by Council of the Borough of South Williamsport, Lycoming County, Pennsylvania this 11th day of October, 2004.


Jeffrey J. Neyhart
Council President

ATTEST:


Donna L. Brink
Borough Secretary/Treasurer

RECEIVED

OCT 27 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of SUSQUEHANNA Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of SUSQUEHANNA Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Ronald Steffe

Richard P. Old

Erle D. Beith

ATTEST:

Erle D. Beith

Township Secretary

10-4-04

Date

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Upper Fairfield Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Upper Fairfield Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

William L. Harma
Myron L. Ellison
Luther E. Lunt 10-05-04

ATTEST:

Jan W. Hana
Township Secretary
10/5/2004
Date

RECEIVED

NOV 5 2004

Lycoming County
Economic Development &
Planning Services

Resolution 101

THIS RESOLUTION approved and adopted by the Supervisors of Washington Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Washington Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Lucy Taylor
Harold A. Smith
Thomas A. Conley

ATTEST:

Cathy L. Hill
Township Secretary
10/4/04
Date

RECEIVED

OCT 18 2004

Lycoming County
Economic Development &
Planning Services

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Watson Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Watson Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Charles A. Knapp S
James L. Miller
James L. Potter

ATTEST:

Glenn C. Youson
Township Secretary
September 28, 2004
Date

CITY OF WILLIAMSPORT, PA RESOLUTION

RESOLUTION # 7008

DATE October 28, 2004

TITLE

RESOLUTION APPROVING COUNTY OF LYCOMING HAZARD MITIGATION PLAN

THIS RESOLUTION approved and adopted by the Council of the City of Williamsport, County of Lycoming, Pennsylvania, on the date hereinafter set forth.

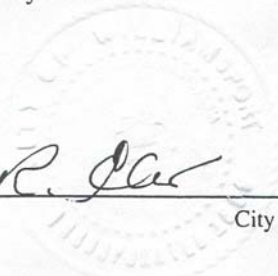
WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this City has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this City has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by the plan;

NOW, THEREFORE, the City Council of the City of Williamsport does hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan.

BE IT FURTHER RESOLVED that this plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.


Kevin R. De
City Clerk

Approved

J. Moynihan Whaley
Vice President

Resolution #2004-05

THIS RESOLUTION approved and adopted by the Supervisors of Wolf Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Wolf Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:

Gene M. Cain
William A. Deuker
Charles J. Hall

ATTEST:

Sharon M. Kelly
Township Secretary
October 11, 2004
Date

Resolution

THIS RESOLUTION approved and adopted by the Supervisors of Woodward Township of the County of Lycoming, Pennsylvania, on the date hereinafter set forth.

WITNESS TO:

WHEREAS, 44 CFR Part 201 Hazard Mitigation Planning, establishes criteria for hazard mitigation planning authorized by §322 of the Stafford Act, as amended by §104 of the Disaster Mitigation Act. Section 322 of the Disaster Mitigation Act of 2000, mandates that the County of Lycoming; prepare, maintain and keep current a hazard mitigation plan for evaluating the County's hazards, identifying resources and capabilities, selecting appropriate actions, and developing and implementing mitigation measures to eliminate or reduce future damage from those hazards in order to protect the health and safety, and welfare of residents within this County; and

WHEREAS, in response to the mandate stated above, this Township has affirmed a commitment to the County they have assisted in preparing a hazard mitigation plan to identify any cost-effective action taken to eliminate or reduce the long-term risk to life and property from natural and technological hazards; and

WHEREAS, this Township has also committed to reducing the potential affects of a major emergency or disaster and to protect the health, safety and welfare of the residents of this municipality through the efforts outlined by this plan;

NOW, THEREFORE, we, the undersigned Supervisors of Woodward Township do hereby approve, adopt and place into immediate effect the County of Lycoming Hazard Mitigation Plan. This Plan shall be reviewed every five years to make certain that it conforms to the requirements of the provisions set forth by the Pennsylvania Emergency Management Agency's Guideline.

BOARD OF SUPERVISORS:



ATTEST:

Marsha F. Bergman

Township Secretary

October 19, 2004

Date