Federal Emergency Management Agency

Washington, D.C. 20472

APR 0 6 2007

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. R. David Seip
Chairman, Board of Supervisors
Lower Heidelberg Township
Township Offices
720 Brownsville Road
Sinking Spring, PA 19608

IN REPLY REFER TO:
Case No.: 07-03-0245P
Community Name: Township of Lower Heidelberg, PA
Community No.: 421077
Effective Date of This Revision: AUG 0 9 2007

Dear Mr. Seip:

The Flood Insurance Study Report and Flood Insurance Rate Map for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Federal Insurance and Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Philadelphia, Pennsylvania, at (215) 931-5512, or the FEMA Map Assistance Center, toll free, at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at http://www.fema.gov/nfip.

Sincerely,

Lora Eskandary

Lora S. Eskandary, CFM, Project Engineer
Engineering Management Section
Mitigation Division

For: William R. Blanton Jr., CFM, Chief
Engineering Management Section
Mitigation Division

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
Annotated Flood Insurance Study Report

cc: Lawrence J. Mussoline, Ph.D.
Superintendent, Wilson School District

[redacted]
Stackhouse Bensinger Inc.

Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Township of Lower Heidelberg Berks County Pennsylvania	NO PROJECT	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 421077		
IDENTIFIER	Green Valley Road to a Point 17,000 L.F. Upstream Of Gaul Golf (Pa)	APPROXIMATE LATITUDE & LONGITUDE: 40.343, -76.044 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES
TYPE: FIRM* NO.: 42011C0479 E DATE: December 5, 1997 TYPE: FIRM* NO.: 42011C0483 E DATE: December 5, 1997	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: May 21, 2001 PROFILE(S): 278P FLOODWAY DATA TABLE: 8

Enclosures reflect changes to flooding sources affected by this revision.
* FIRM - Flood Insurance Rate Map; ** FBFM - Flood Boundary and Floodway Map; *** FHBM - Flood Hazard Boundary Map

FLOODING SOURCE(S) & REVISED REACH(ES)

Little Cacoosing Creek - from just upstream of Green Valley Road to approximately 1,750 feet upstream of Gaul Road (T-388)

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Little Cacoosing Creek	Zone A	Zone AE	NONE	YES
	No Floodway	Floodway	YES	NONE
	No BFEs*	BFEs	YES	NONE

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

Lora S. Eskandary, CFM, Project Engineer
Engineering Management Section
Mitigation Division

Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent Commonwealth or local requirements to which the regulations apply.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or Commonwealth law have been obtained. Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

Lora S. Eskandary, CFM, Project Engineer
Engineering Management Section
Mitigation Division

Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Eugene K. Gruber
Director, Federal Insurance and Mitigation Division
Federal Emergency Management Agency, Region III
One Independence Mall, Sixth Floor
615 Chestnut Street
Philadelphia, PA 19106-4404
(215) 931-5512

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

Lora S. Eskandary, CFM, Project Engineer
Engineering Management Section
Mitigation Division

Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

PUBLIC NOTIFICATION

FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BFE (FEET NGVD 29)		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Little Cacoosing Creek	Approximately 20 feet upstream of Green Valley Road	None	300	42011C0483E
	Approximately 1,750 feet upstream of Gaul Road (T-388)	None	313	42011C0483E

Within 90 days of the second publication in the local newspaper, a citizen may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised BFEs presented in this LOMR may be changed.

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below.

LOCAL NEWSPAPER Name: *Reading Eagle*
Dates: 05/03/2007 and 05/10/2007

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

Lora S. Eskandary, CFM, Project Engineer
Engineering Management Section
Mitigation Division

CHANGES ARE MADE IN DETERMINATIONS OF BASE FLOOD ELEVATIONS FOR TOWNSHIP OF LOWER HEIDELBERG, BERKS COUNTY, PENNSYLVANIA, UNDER THE NATIONAL FLOOD INSURANCE PROGRAM

On December 5, 1997, the Department of Homeland Security's Federal Emergency Management Agency identified Special Flood Hazard Areas (SFHAs) in the Township of Lower Heidelberg, Berks County, Pennsylvania, through issuance of a Flood Insurance Rate Map (FIRM). The Mitigation Division has determined that modification of the elevations of the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood) for certain locations in this community is appropriate. The modified Base Flood Elevations (BFEs) revise the FIRM for the community.

The changes are being made pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (Public Law 93-234) and are in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, Public Law 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65.

A hydraulic analysis was performed to incorporate the effects of updated topography and detailed hydraulic analysis along Little Cacoosing Creek from just upstream of Green Valley Road to approximately 1,750 feet upstream of Gaul Road (T-388). This has resulted in decreases in the SFHA width and establishment of BFEs along the revised reach of Little Cacoosing Creek. The table below indicates established BFEs for selected locations along the affected lengths of the flooding source(s) cited above.

Location	Existing BFE (feet)*	Modified BFE (feet)*
Approximately 20 feet upstream of Green Valley Road	None	300
Approximately 1,750 feet upstream of Gaul Road (T-388)	None	313

*National Geodetic Vertical Datum, rounded to nearest whole foot

Under the above-mentioned Acts of 1968 and 1973, the Mitigation Division must develop criteria for floodplain management. To participate in the National Flood Insurance Program (NFIP), the community must use the modified BFEs to administer the floodplain management measures of the NFIP. These modified BFEs will also be used to calculate the appropriate flood insurance premium rates for new buildings and their contents and for the second layer of insurance on existing buildings and contents.

Upon the second publication of notice of these changes in this newspaper, any person has 90 days in which he or she can request, through the Chief Executive Officer of the community, that the Mitigation Division reconsider the determination. Any request for reconsideration must be based on knowledge of changed conditions or new scientific or technical data. All interested parties are on notice that until the 90-day period elapses, the Mitigation Division's determination to modify the BFEs may itself be changed.

Any person having knowledge or wishing to comment on these changes should immediately notify:

Mr. R. David Seip
Chairman, Board of Supervisors
Lower Heidelberg Township
Township Offices
720 Brownsville Road
Sinking Spring, PA 19608

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY (FEET NGVD)	INCREASE
Laurel Run Alternate Branch								
A	40[1]	974	353	8.4	343.0	343.0	343.6	0.6
Little Cacoosing Creek								
ZA	20[6]	314	1,756	2.2	299.5	299.5	300.5	1.0
ZB	1,019[6]	190	584	2.9	301.5	301.5	302.2	0.7
ZC	2,127[6]	265	562	4.6	305.1	305.1	305.6	0.5
ZD	2,503[6]	322	1,281	4.0	309.5	309.5	310.3	0.8
ZE	2,927[6]	255	1,066	2.8	310.0	310.0	311.0	1.0
ZF	4,234[6]	179	734	2.3	313.4	313.4	314.3	0.9
A	6,975[2]	50	108	6.7	387.0	387.0	387.3	0.3
B	8,025[2]	35	79	6.9	405.9	405.9	406.8	0.9
Maiden Creek								
A	1,250[3]	128	2,252	11.0	268.3	268.3	268.3	0.1
B	2,950[3]	270	3,442	9.0	268.3	268.3	268.5	0.3
C	5,000[3]	318	3,334	8.0	270.0	270.0	270.4	0.4
D	7,150[3]	166	2,662	10.0	271.9	271.9	272.0	0.1
E	9,500[3]	169	3,195	8.0	276.0	276.0	277.0	1.0
F	11,300[3]	143	2,509	10.0	277.2	277.2	277.9	0.7
G	11 ,600[3]	314	4,474	6.0	278.7	278.7	279.4	0.7
H	13,100[3]	463	5,326	5.0	279.9	279.9	280.3	0.4
I	14,800[3]	297	4,083	6.0	281.1	281.1	282.0	0.9
Manatawny Creek								
A	14,900[3]	74	814	17.0	156.9	156.9	157.9	1.0
B	16,875[3]	134	1,948	7.0	164.3	164.3	165.3	1.0
C	18,675[3]	98	1,261	11.0	166.9	166.9	167.7	0.8
D	20,950[3]	159	1,709	14.0	172.3	172.3	172.3	0.0
E	23,600[3]	78	911	15.0	175.8	175.8	175.8	0.0
F	25,100[3]	121	1,656	8.0	178.1	178.1	179.1	1.0
G	27,500[3]	78	967	14.0	181. 8	181.8	182.8	1.0
H	29,200[3]	207	1,740	11.0	187.1	187.1	187.7	0.6

[1] Feet above confluence with Laurel Run
[2] Feet above Township of South Heidelberg downstream corporate limits
[3] Feet above confluence with Schuylkill River
[4] Combined Laurel Run/Laurel Run Alternate Branch floodway
[5] Elevation computed without consideration of backwater effects from Schuylkill River
[6] Feet above Green Valley Road

REVISED DATA

AUG 0 9 2007

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERKS COUNTY, PA

(ALL JURISDICTIONS)

FLOODWAY DATA

LAUREL RUN ALTERNATE BRANCH - LITTLE CACOOSING CREEK - MAIDEN CREEK-MANATAWNY CREEK

TABLE 8

FLOOD PROFILES

FEDERAL EMERGENCY MANAGEMENT AGENCY
BERKS COUNTY, PA
(ALL JURISDICTIONS)

REVISED TO REFLECT LOMR EFFECTIVE AUG 0 9 2007

LITTLE CACOOSING CREEK

278P

Legend

1% annual chance (100-Year) Floodplain

1% annual chance (100-Year) Floodway

0.2% annual chance (500-Year) Floodplain

All Elevations Referenced in NGVD 29

500 250 0 500 FEET

100 50 0 100 200 METERS

MAP SCALE 1" = 500'

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

BERKS COUNTY,
PENNSYLVANIA
(ALL JURISDICTIONS)

PANEL 479 OF 678

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LOWER HEIDELBERG, TWP OF	421077	0479	E
SOUTH HEIDELBERG, TWP OF	421107	0479	E
WERNERSVILLE, BOROUGH OF	420374	0479	E

AUG 19 2007

Note to User: The MAP NUMBER shown below should be used when placing map orders; the COMMUNITY NUMBER shown above should be used on insurance applications for the subject community.

MAP NUMBER
42011C0479 E

EFFECTIVE DATE:
DECEMBER 5, 1997

Federal Emergency Management Agency

Legend

1% annual chance (100-Year) Floodplain

1% annual chance (100-Year) Floodway

0.2% annual chance (500-Year) Floodplain

All Elevations Referenced in NGVD 29

500 250 0 500 FEET

100 50 0 100 200 METERS

MAP SCALE 1" = 500'

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

BERKS COUNTY, PENNSYLVANIA (ALL JURISDICTIONS)

PANEL 483 OF 678

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LOWER HEIDELBERG, TWP OF	421077	0483	E
SINKING SPRING, BOROUGH OF	420150	0483	E
SOUTH HEIDELBERG, TWP OF	421107	0483	E
SPRING, TOWNSHIP OF	421108	0483	E

EFFECTIVE AUG 0 9 2007

Notice to User: The MAP NUMBER shown below should be used when placing map orders; the COMMUNITY NUMBER shown above should be used on insurance applications for the subject community.

MAP NUMBER
42011C0483 E

EFFECTIVE DATE:
DECEMBER 5, 1997

Federal Emergency Management Agency