

NAME	NUMBER	ON PANEL(S)	DATE	DATE	DATE	FIRM PANEL DATE	NAME	NUMBER	ON PANEL(S)	DATE	DATE	DATE	FIRM PANEL DAT
	404046	0015, 0020, 0038, 0040, 00451, 0155, 0157, 0159, 0160, 0176, 0180,	40/40/4074	40/40/4074	0/20/4000	7/2/2042	Mt. Penn, Borough of	420143	0509		12/5/1997	12/5/1997	7/3/2012
Albany, Township of	421046	0185	10/18/1974	10/18/1974	9/30/1988	7/3/2012	Muhlenberg, Township of	420144	0361, 0362, 0363, 0364, 0366, 0367, 0368, 0369, 0502, 0506, 0507	1/25/1974	1/25/1974	9/1/1977	7/3/2012
Alsace, Township of	421376	0367, 0369, 0386, 0388, 0389, 0393, 0507, 0526, 0527	1/24/1975	1/24/1975	4/1/1981	7/3/2012	New Morgan, Borough of	422755	0635, 0641, 0642, 0653, 0665	4/5/1974	4/5/1974	7/18/1977	7/3/2012
·	420124	0533, 0534, 0543, 0544, 0545, 0553, 0555, 0561, 0562, 0563, 0564,	12/21/1973	12/28/1973	7/18/1977	7/3/2012	North Heidelberg, Township of	421086	0318, 0320, 0340, 0343, 0476, 0477	9/13/1974	9/13/1974	3/18/1983	7/3/2012
Amity, Township of		0676						420965	0389, 0391, 0392, 0393, 0394, 0411, 0413, 0527, 0531, 0532, 0533,	6/7/1974	6/7/1974	9/14/1990	7/3/2012
Bally, Borough of	420125	0437, 0438, 0439	12/5/1997	12/5/1997	12/5/1997	7/3/2012	Oley, Township of		0534, 0551, 0553				
Bechtelsville, Borough of	420126	0419, 0438, 0557, 0576	6/28/1974	6/28/1974	5/15/1984	7/3/2012	Ontelaunee, Township of	420966	0351, 0352, 0353, 0354, 0358, 0362, 0366, 0367	6/28/1974	6/28/1974	6/1/1977	7/3/2012
	421050	0335, 0342, 0343, 0344, 0353, 0354, 0361, 0362, 0363, 0364, 0481,	12/6/1974	12/6/1974	11/19/1980	7/3/2012	Penn, Township of	421091	0330, 0335, 0340, 0341, 0342, 0343, 0344	12/6/1974	12/6/1974	7/15/1988	7/3/2012
Bern, Township of		0482, 0501, 0502						421093	0144, 0161, 0162, 0163, 0164, 0167, 0169, 0170, 0188, 0351, 0352,	9/20/1974	9/20/1974	8/16/1982	7/3/2012
Bernville, Borough of	421051	0330, 0340	12/5/1997	12/5/1997	12/5/1997	7/3/2012	Perry, Township of		0353, 0360				
	421052	0075 ¹ , 0100 ¹ , 0115, 0260, 0275 ¹ , 0278, 0279, 0280, 0281, 0282, 0283,	9/20/1974	9/20/1974	7/15/1988	7/3/2012	Pike, Township of	421382	0392, 0411, 0412, 0413, 0414, 0419, 0420, 0560	12/27/1974	12/27/1974		7/3/2012
Bethel, Township of		0284, 0291, 0305					Reading, City of	420145	0502, 0504, 0506, 0507, 0508, 0509, 0512, 0516	12/28/1973	12/28/1973	9/29/1978	7/3/2012
Birdsboro, Borough of	420127	0539, 0543	10/26/1973	10/26/1973	12/18/1979	7/3/2012		421096	0169, 0186, 0188, 0190, 0193, 0360, 0378, 0379, 0380, 0381, 0382,	9/13/1974	9/13/1974	9/17/1982	7/3/2012
Boyertown, Borough of	420128	0559	12/21/1973	12/21/1973	6/25/1976	7/3/2012	Richmond, Township of	.2.1000	0383, 0384				
	421053	0493, 0494, 0513, 0610, 0626, 0627, 0628, 0629, 0631, 0635, 06401,	9/13/1974	9/13/1974	6/15/1981	7/3/2012		420146	0514, 0517, 0518, 0519, 0536, 0538, 0539, 0543, 0627, 0631, 0635,	4/5/1974	4/5/1974	7/18/1977	7/3/2012
Brecknock, Township of		0641					Robeson, Township of		0651, 0652, 0653, 0654, 0660, 0665, 0666				
Caernarvon, Township of	421055	0635, 0641, 0642, 0644, 0663,06401, 0665	6/28/1974	6/28/1974	1/16/1981	7/3/2012	Robesonia, Borough of	420147	0457, 0459	6/28/1974	6/28/1974	6/18/1990	7/3/2012
Centerport, Borough of	420129	0335	11/22/1974	11/22/1974	7/16/1982	7/3/2012	Rockland, Township of	421098	0382, 0383, 0384, 0391, 0392, 0401, 0402, 0403, 0404, 0411, 0412	9/6/1974	9/6/1974	9/2/1988	7/3/2012
Centre, Township of	421056	0144, 0145, 0163, 0330, 0335, 0341, 0342, 0351, 0352, 0353	11/1/1974	11/1/1974	12/16/1980	7/3/2012		421099	0367, 0378, 0379, 0383, 0384, 0386, 0387, 0388, 0389, 0391, 0392,	10/1/1976	10/1/1976	2/2/1989	7/3/2012
Colebrookdale, Township of	421057	0419, 0420, 0557, 0559, 0560, 0576, 0578	11/22/1974	11/22/1974	5/1/1984	7/3/2012	Ruscombmanor, Township of		0393				
	420130	0492, 0494, 0503, 0504, 0508, 0509, 0511, 0512, 0513, 0514, 0516,	9/30/1977	9/30/1977	9/30/1977	7/3/2012	Shillington, Borough of	420148	0503, 0504, 0511, 0512	11/9/1973	11/9/1973	8/1/1977	7/3/2012
Cumru, Township of	420130	0517, 0518, 0519, 0626, 0627	3/30/13//	9/30/19//	9/30/19//		Shoemakers ville, Borough of	420149	0163, 0164, 0351, 0352	3/22/1974	3/22/1974	6/15/1979	7/3/2012
District, Township of	421378	0404, 0408, 0409, 0412, 0417, 0419, 0420, 0428	11/15/1974	11/15/1974	8/19/1985	7/3/2012	Sinking Spring, Borough of	420150	0483, 0484	3/29/1974	3/29/1974	8/16/1982	7/3/2012
Douglass, Township of	420131	0555, 0559, 0560, 0562, 0563, 0564, 0566, 0568, 0570, 0676, 0677	11/9/1973	11/19/1973	8/15/1977	7/3/2012	South Heidelberg, Township of	421107	0459, 0475 ¹ , 0476, 0478, 0479, 0483, 0487, 0490, 0491	9/13/1974	9/13/1974	5/17/1990	7/3/2012
Earl, Township of	420132	0413, 0414, 0420, 0551, 0553, 0555, 0560, 0562	6/4/1976	6/4/1976	7/18/1977	7/3/2012		421108	0482, 0483, 0484, 0487, 0490, 0491, 0492, 0493, 0494, 0501, 0502,	9/13/1974	9/13/1974	4/18/1983	7/3/2012
	421063	0509, 0517, 0526, 0527, 0528, 0529, 0531, 0533, 0534, 0536, 0537,	9/13/1974	9/13/1974	3/15/1982	7/3/2012	Spring, Township of	421106	0503, 0511, 0610	9/13/19/4	9/13/19/4	4/10/1903	11312012
Exeter, Township of	421003	0538, 0539, 0543, 0545	9/13/19/4	9/13/19/4	3/13/1902	77372012	St. Lawrence, Borough of	420151	0509, 0528	7/30/1976	7/30/1976	12/16/1980	7/3/2012
Fleetwood, Borough of	420133	0379, 0383	12/28/1973	12/28/1973	2/2/1989	7/3/2012	Strausstown, Borough of	420152	0305, 0310	1/24/1975	1/24/1975	2/11/1983	7/3/2012
	421067	0154, 0155, 0159, 0160, 0167, 0169, 0176, 0180, 0185, 0186, 0188,	0/20/4074	9/20/1974	2/17/1989	7/2/2012	Tilden, Township of	421112	0130, 0133, 0134, 0140, 0144, 0145, 0153, 0161, 0163, 0335	7/26/1974	7/26/1974	7/16/1980	7/3/2012
Greenwich, Township of	421067	0190, 0191, 0192, 0193, 0203	9/20/1974	9/20/19/4	2/1//1989	7/3/2012	Topton, Borough of	420154	0214, 0402	5/31/1974	5/31/1974	7/16/1990	7/3/2012
Hamburg, Borough of	420134	0134, 0153, 0161	10/5/1973	10/5/1973	2/15/1980	7/3/2012		101115	0278, 0279, 0282, 0283, 0284, 0287, 02901, 0291, 0295, 0305, 0315,	44/0/4074	44/0/4074	0/4/4000	7/2/2012
<u> </u>	404000	0314, 0318, 0320, 0340, 0452, 0456, 0457, 0458, 0459, 0476, 0477,	40/0/4074	10/0/1071	5/0/4000	7/0/0040	Tulpehocken, Township of	421115	0320	11/8/1974	11/8/1974	8/4/1988	7/3/2012
Heidelberg, Township of	421069	0478	12/6/1974	12/6/1974	5/3/1990	7/3/2012		400455	0543, 0544, 0563, 0652, 0653, 0654, 0660, 0665, 0666, 0676, 0677,	4/40/4074	4/40/4074	0/45/4077	7/0/0040
Hereford, Township of	421379	0409, 0417, 0426, 0427, 0428, 0429, 0433, 04351, 0436, 0437, 0441	11/15/1974	11/15/1974	5/3/1990	7/3/2012	Union, Township of	420155	0680¹	1/16/1974	1/16/1974	8/15/1977	7/3/2012
Jefferson, Township of	421071	0305, 0310, 0315, 0318, 0320, 0330, 0340	11/26/1976	11/26/1976	9/1/1987	7/3/2012	Upper Bern, Township of	421118	0120, 0130, 0140, 0145, 0330, 0335	9/20/1974	9/20/1974	11/5/1982	7/3/2012
Kenhorst, Borough of	420135	0504, 0508, 0512, 0516	11/5/1976	11/5/1976	2/15/1978	7/3/2012	Upper Tulpehocken, Township of	421120	0115, 0120, 0140, 0305, 0310, 0330	1/10/1975	1/10/1975	7/16/1982	7/3/2012
Kutztown, Borough of	420136	0192, 0193, 0194	12/28/1973	12/28/1973	5/2/1977	7/3/2012	Washington, Township of	421383	0417, 0419, 0436, 0437, 0438, 0439, 0441, 04451, 0557, 0576, 05801	11/22/1974	11/22/1974		7/3/2012
Laureldale, Borough of²	422646	0368, 0369		12/5/1997	12/5/1997	7/3/2012	Wernersville, Borough of	421374	0478, 0479	12/6/1974	12/6/1974	8/2/1982	7/3/2012
_eesport, Borough of	420138	0353, 0354, 0361, 0362	5/24/1974	5/24/1974	5/16/1977	7/3/2012	West Reading, Borough of	420156	0504, 0508	11/9/1973	11/9/1973	11/9/1973	7/3/2012
Lenhartsville, Borough of	420139	0159	8/16/1974	8/16/1974	2/17/1989	7/3/2012	<u> </u>		0015, 0134, 0135 ¹ , 0153, 0154, 0155, 0159, 0160, 0161, 0162, 0163,				
		0213, 0214, 0218, 0219, 0220, 02501, 0401, 0402, 0404, 0406, 0407,					Windsor, Township of	421125	0167, 0170	1/23/1974	1/23/19/4	12/16/1980	7/3/2012
Longswamp, Township of	421380	0408, 0409, 0426, 0427, 0428	11/1/1974	11/1/1974	7/3/1990	7/3/2012	Womelsdorf, Borough of	420157	0452, 0456	5/24/1974	5/24/1974	10/15/1985	7/3/2012
Lower Alsace, Township of	420140	0506, 0507, 0508, 0509, 0517, 0526, 0528	11/9/1973	11/9/1973	7/5/1977	7/3/2012	Wyomissing, Borough of	421375	0501, 0502, 0503, 0504, 0511, 0512	11/22/1974	11/22/1974		7/3/2012
· · · · · · · · · · · · · · · · · · ·		0340, 0343, 0344, 0476, 0477, 0478, 0479, 0481, 0482, 0483, 0484,					¹ Panel Not Printed						
Lower Heidelberg, Township of	421077	0501	11/8/1974	11/8/1974	8/16/1982	7/3/2012	² No Special Flood Hazard Areas ide	entified					
yons, Borough of ²	422674	0382		12/5/1997	12/5/1997	7/3/2012	140 Opeciai i 1000 Flazaio Aleas Ide	ontilled.					
Maidencreek, Township of	421078	0352, 0354, 0358, 0359, 0360, 0366, 0367, 0378, 0379, 0380, 0386	8/2/1974	8/2/1974	3/16/1981	7/3/2012	1						
Marian Tayrashin of	404070	0004 0005 0040 0044 0045 0040 0000 0454 0450 0450	0/40/4074	0/40/4074	4/0/4004	7/0/2012	⊣						

7/2/1980 12/21/1973 7/2/1980 7/3/2012

9/13/1974 9/13/1974 1/2/1981

11/22/1974 11/22/1974 11/5/1980

421078 0352, 0354, 0358, 0359, 0360, 0366, 0367, 0378, 0379, 0380, 0386 421079 0291, 0295, 0313, 0314, 0315, 0318, 0320, 0451, 0452, 0456

421381 0218, 0220, 0381, 0382, 0384, 0401 420142 0511, 0513

0291, 0295, 0313, 0314, 0315, 0318, 0320, 0451, 0452, 0456 0185, 0190, 0191, 0192, 0193, 0194, 0203, 02051, 0213, 0214, 0215,

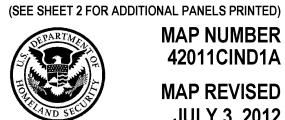
MAP INDEX

SHEET 1 OF 2

PANELS PRINTED: 15, 20, 38, 40, 115, 120, 130, 133, 134, 140, 144, 145, 153, 154, 155, 157, 159, 160, 161, 162, 163, 164, 167, 169, 170, 176, 180, 185, 186, 188, 190, 191, 192, 193, 194, 203, 213, 214, 215, 218, 219, 220, 260, 278, 279, 280, 281, 282, 283, 284, 287, 291, 295, 305, 310, 313, 314, 315, 318, 320, 330, 335, 340, 341, 342, 343, 344, 351, 352, 353, 354, 358,

359, 360, 361, 362, 363, 364, 366, 367, 368, 369, 378, 379, 380, 381, 382, 383, 384, 386, 387, 388, 389, 391, 392, 393, 394, 401, 402, 403, 404, 406, 407, 408, 409, 411, 412, 413, 414, 417, 419, 420, 426, 427, 428, 429, 433, 436, 437, 438, 439, 441

| | Federal Emergency Management Agency



MAP NUMBER 42011CIND1A **MAP REVISED JULY 3, 2012**

MAP REPOSITORIES:

(Maps available for reference only, not for distribution) Leesport, Borough of:

Leesport Borough Hall

27 South Canal Street

Longswamp, Township of:

1112 State Street

Leesport, Pennsylvania 19533

Albany, Township of: Albany Township Municipal Building 2451 Route 143 Kempton, Pennsylvania, 19529

Alsace Township Municipal Building 65 Woodside Avenue Temple, Pennsylvania 19560

Alsace, Township of:

Amity, Township of: Amity Township Municipal Building 2004 Weavertown Road Douglassville, Pennsylvania 19518

Bally, Borough of: Bally Borough Hall 425 Chestnut Street Bally, Pennsylvania 19503

Bechtelsville, Borough of: Bechtelsville Borough Hall 16 Railroad Street Bechtelsville, Pennsylvania 19505

Berks County, All Jurisdictions: Berks County Services Center, 14th Floor 633 Court Street Reading, Pennsylvania 19601

Bern, Township of: Bern Township Building 1069 Old Bernville Road Reading, Pennsylvania 19605

Bernville, Borough of: Bernville Borough Hall 6602 Bernville Road Reading, Pennsylvania 19605

Bethel, Township of: Bethel Township Municipal Building 1711 Camp Swatara Road Myerstown, Pennsylvania 17067

Birdsboro, Borough of: Birdsboro Borough Hall 202 East Main Street Birdsboro, Pennsylvania 19508

Boyertown, Borough of: Boyertown Borough Hall 100 South Washington Street Boyertown, Pennsylvania 19512

Brecknock, Township of: Brecknock Township Building 889 Alleghenyville Road Mohnton, Pennsylvania 19540

Caernaryon. Township of: Caernarvon Township Building 3226 Main Street Morgantown, Pennsylvania 19543

Centerport, Borough of: Centerport Borough Hall 110 Callowhill Street Centerport, Pennsylvania 19516

Centre, Township of: Centre Township Building 449 Bucks Hill Road Mohrsville, Pennsylvania 19541 Colebrookdale, Township of: Colebrookdale Township Municipal Building 765 West Philadelphia Avenue Boyertown, Pennsylvania 19512

Cumru, Township of: Cumru Township Building 1775 Welsh Road Mohnton, Pennsylvania 19540

District, Township of: District Township Municipal Building 202 Weil Road Boyertown, Pennsylvania 19512

Douglass, Township of: Douglass Township Building 1068 Douglass Drive Boyertown, Pennsylvania 19512

Earl, Township of: Earl Township Municipal Building 19 Schoolhouse Road Boyertown, Pennsylvania 19512

Exeter, Township of: Exeter Township Municipal Building 4975 DeMoss Road Reading, Pennsylvania 19606

Fleetwood. Borough of: Fleetwood Borough Hall 110 West Arch Street, Suite 104 Fleetwood, Pennsylvania 19522

Greenwich, Township of: Greenwich Township Building 775 Old Route 22 Lenhartsville, Pennsylvania 19534

Hamburg, Borough of: Hamburg Municipal Center 61 North Third Street Hamburg, Pennsylvania 19526

Heidelberg, Township of: Heidelberg Township Building 11 Tulpehocken Forge Road Robesonia, Pennsylvania 19551

Hereford, Township of: Hereford Township Municipal Building 3131 Seisholtzville Road Macungie, Pennsylvania 18062

Jefferson, Township of: Jefferson Township Office Building 5 Solly Lane Bernville, Pennsylvania 19506

Kenhorst, Borough of: Kenhorst Borough Hall 339 South Kenhorst Boulevard Kenhorst, Pennsylvania 19607

Kutztown, Borough of: Community Development Office 324 West Main Street Kutztown, Pennsylvania 19530

Laureldale, Borough of: Laureldale Borough Hall 3406 Kutztown Road Laureldale, Pensylvania 19605

Lenharstville, Borough of: Penn, Township of: Lenharstville Borough Hall 18 Willow Street Lenhartsville, Pennsylvania 19534

Perry, Township of: Longswamp Township Municipal Building Perry Township Building

Mertztown, Pennsylvania 19539 Lower Alsace, Township of: Pike, Township of: Lower Alsace Township Municipal Building 1200 Carsonia Avenue

Lower Heidelberg, Township of: Lower Heidelberg Township Building 720 Brownsville Road Sinking Spring, Pennsylvania 19608

Reading, Pennsylvania 19606

Lyons, Borough of: Lyons Borough Hall 316 South Kemp Street Lyon Station, Pennsylvania 19536

Maidencreek, Township of: Maidencreek Township Municipal Building 1 Quarry Road Blandon, Pennsylvania 19510

Marion, Township of: Marion Township Building 420 Water Street Stouchsburg, Pennsylvania 19567

Maxatawny, Township of: Maxatawny Township Building 127 Quarry Road, Suite 1 Kutztown, Pennsylvania 19530

Mohnton, Borough of: Mohnton Borough Hall 21 North O'Neil Street Mohnton, Pennsylvania 19540

Mt. Penn, Borough of: John A. Becker Municipal Building 200 North 25th Street Reading, Pennsylvania 19606

Muhlenberg, Township of: Muhlenberg Township Municipal Building 5401 Leesport Avenue Temple, Pennsylvania 19560

New Morgan, Borough of: New Morgan Borough Hall 75 Grace Boulevard, Building D New Morgan Corporate Park Morgantown, Pennsylvania 19543

North Heidelberg, Township of: North Heidelberg Township Building 928 Charming Forge Road Robesonia, Pennsylvania 19551

Oley, Township of: Oley Township Municipal Building 1 Rose Virginia Road Oley, Pennsylvania 19547

Ontelaunee, Township of Ontelaunee Township Municipal Building 35 Ontelaunee Drive Reading, Pennsylvania 19605

Penn Township Municipal Building 840 North Garfield Road Bernville, Pennsylvania 19506

680 Moselem Springs Road Shoemakersville, Pennsylvania 19555

Pike Township Building (Old Schoolhouse) 810 Hill Church Road Boyertown, Pennsylvania 19512

Reading, City of: City Hall 815 Washington Street

Reading, Pennsylvania 19601

Richmond, Township of: Richmond Township Building 11 Kehl Drive Fleetwood, Pennsylvania 19522

Robeson, Township of: Robeson Township Building 2689 Main Street

Robesonia, Borough of: Robesonia Borough Hall 75 South Brooke Street Robesonia, Pennsylvania 19551

Birdsboro, Pennsylvania 19508

Rockland, Township of: Rockland Township Building 41 Deysher Road Fleetwood, Pennsylvania 19522

Ruscombmanor, Township of: Ruscombmanor Township Building 204 Oak Lane Fleetwood, Pennsylvania 19522

Shillington, Borough of: Shillington Town Hall 2 East Lancaster Avenue Shillington, Pennsylvania 19607

Shoemakersville, Borough of: Shoemakersville Borough Hall 115 East Ninth Street Shoemakersville, Pennsylvania 19555

Sinking Spring, Borough of: Sinking Spring Borough Hall 3940 Penn Avenue Sinking Spring, Pennsylvania 19608

South Heidelberg, Township of: South Heidelberg Township Municipal Building 68A North Galen Hall Road Wernersville, Pennsylvania 19565

Spring, Township of: Spring Township Administration Building 2850 Windmill Road Sinking Spring, Pennsylvania 19608

St. Lawrence, Borough of: St. Lawrence Borough Hall 3540 Saint Lawrence Avenue Reading, Pennsylvania 19606

Strausstown, Borough of: Strausstown Borough Office and Sewage Plant 593 Bricker Road Bernville, Pennsylvania 19506

Tilden, Township of: Tilden Township Building 874 Hex Highway Hamburg, Pennsylvania 19526

Topton, Borough of: Topton Borough Hall 205 South Callowhill Street Topton, Pennsylvania 19562

Tulpehocken, Township of: Tulpehocken Township Building 22 Rehrersburg Road Rehrersburg, Pennsylvania 19550

Union, Township of: Union Township Municipal Building 1445 East Main Street Douglassville, Pennsylvania 19518

Upper Bern, Township of: Upper Bern Township Building 25 North Fifth Street Shartlesville, Pennsylvania 19554

Upper Tulpehocken, Township of: Upper Tulpehocken Township Building 6501 Old Route 22 Bernville, Pennsylvania 19506

Washington, Township of: Washington Township Municipal Building 120 Barto Road Barto, Pennsylvania 19504

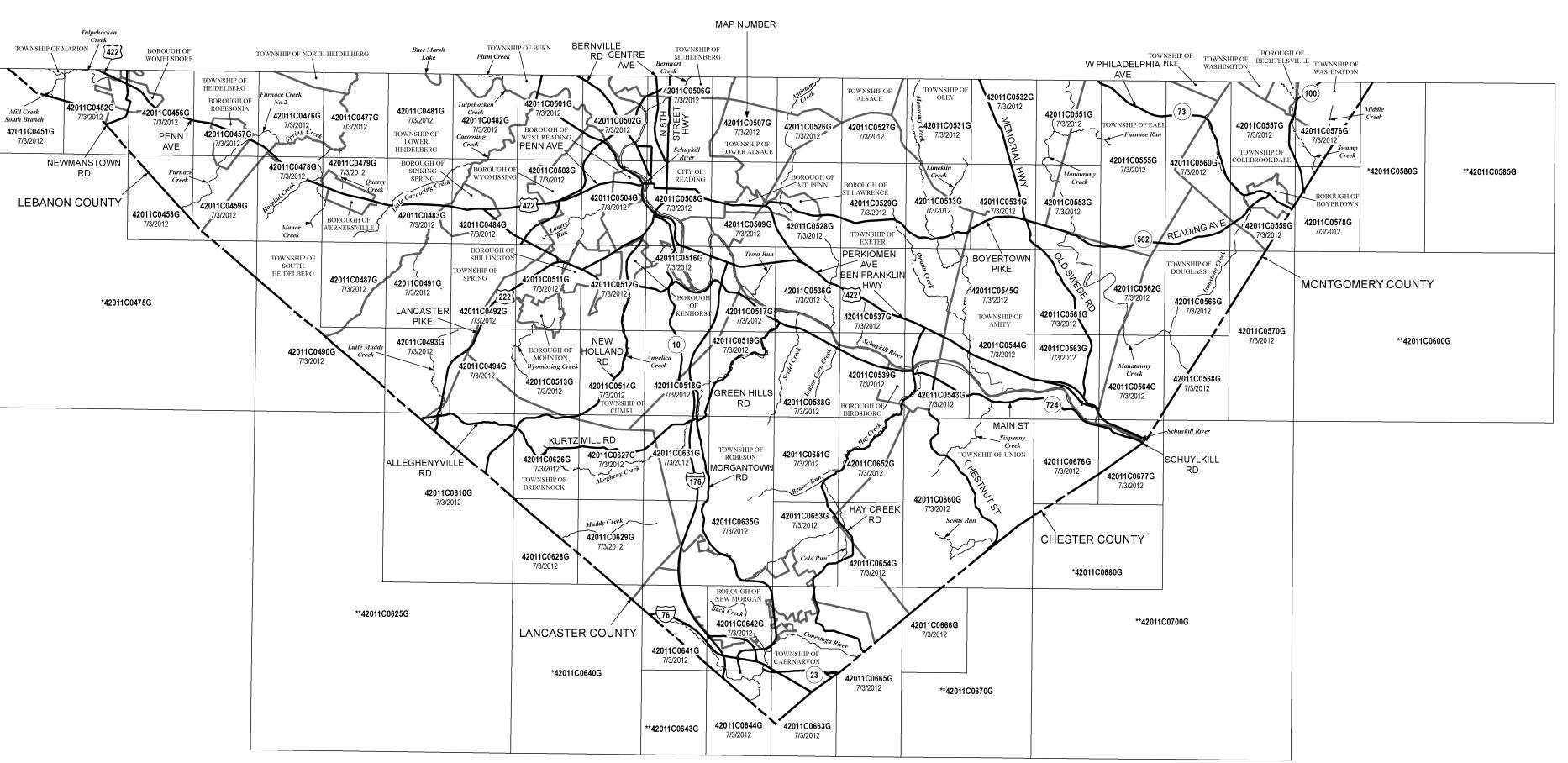
Wernersville, Borough of: Wernersville Borough Hall 100 North Reber Street Wernersville, Pennsylvania 19565

West Reading, Borough of: West Reading Borough Hall 500 Chestnut Street West Reading, Pennsylvania 19611

Windsor, Township of: Windsor Township Municipal Building 110 Haas Road Hamburg, Pennsylvania 19526

Womelsdorf, Borough of: Womelsdorf Borough Hall 101 West High Street Womelsdorf, Pennsylvania 19567

Wyomissing, Borough of: Wyomissing Borough Hall 22 Reading Boulevard Wyomissing, Pennsylvania 19610



* PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS

See Sheet 1 of 2 for LISTING OF COMMUNITIES

NOTE TO USER

Future revisions to this FIRM Index will only be issued to communities that are located on FIRM panels being revised. This FIRM Index therefore remains valid for FIRM panels dated 07/3/2012 or earlier. Please refer to the "MOST RECENT FIRM PANEL DATE" column in the Listing of Communities table to determine the most recent FIRM index date for each community.

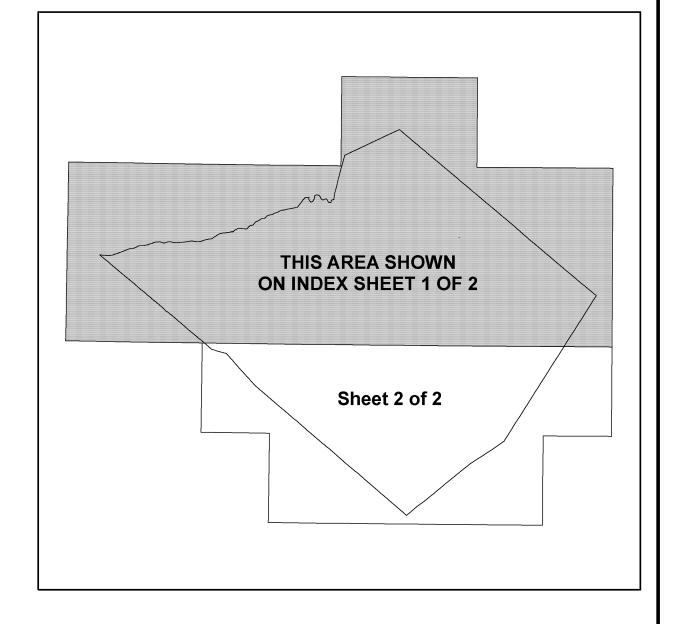
MAP DATES

This FIRM Index displays the map date for each FIRM panel at the time this Index was printed. Because this Index may not be distributed to unaffected communities in subsequent revisions, users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website at http://msc.fema.gov or by calling the FEMA Map Information eXchange (FMIX) at 1-877-336-2627.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.



BERKS COUNTY, PENNSYLVANIA INDEX LOCATOR DIAGRAM



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MAP INDEX

FLOOD INSURANCE RATE MAP

BERKS COUNTY, PENNSYLVANIA

(ALL JURISDICTIONS) (SEE LISTING OF COMMUNITIES TABLE)

MAP INDEX

SHEET 2 OF 2

665, 666, 676, 677

PANELS PRINTED: 451, 452, 456, 457, 458, 459, 476, 477, 478, 479, 481, 482, 483, 484, 487, 490, 491, 492, 493, 494, 501, 502, 503, 504, 506, 507, 508 509, 511, 512, 513, 514, 516, 517, 518, 519, 526, 527 528, 529, 531, 532, 533, 534, 536, 537, 538, 539, 543, 544, 545, 551, 553, 555, 557, 559, 560, 561, 562, 563, 564, 566, 568, 570, 576, 578, 610, 626, 627, 628, 629 631, 635, 641, 642, 644, 651, 652, 653, 654, 660, 663,

(SEE SHEET 1 FOR ADDITIONAL PANELS PRINTED)

42011CIND2A **MAP REVISED JULY 3, 2012**

MAP NUMBER

^{**} PANEL NOT PRINTED - AREA OUTSIDE COUNTY BOUNDARY

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18 North. **Horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov/.

BASE MAP SOURCE: Base map files were obtained in digital spatial data format from the Pennsylvania Spatial Data Access (PASDA) geospatial information clearinghouse for the Commonwealth of Pennsylvania and Berks County. Road centerlines, political boundaries, and streamlines were provided by county. 2008 LiDAR data were downloaded from the PASDA website at http://www.pasda.psu.edu/.

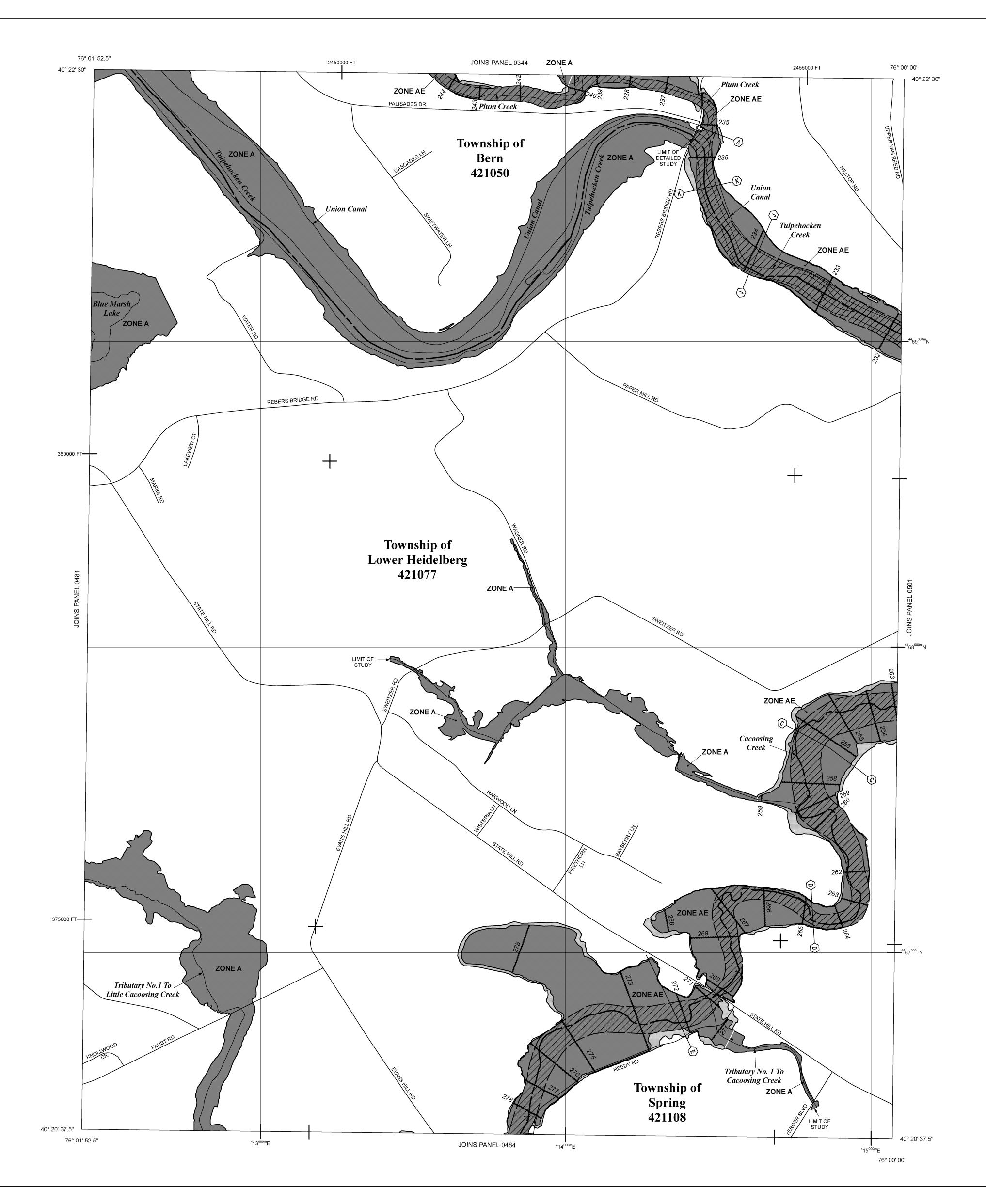
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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE

Base Flood Elevations determined.

ZONE AH

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different

boundary dividing Special Flood Hazard Areas of differen
Base Flood Elevations, flood depths or flood velocities

Base Flood Elevation line and value: elevation in feet*

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

Bridge

Footbridge
Culvert

Cross section line

---23 Transect line

87°07'45", 32°22'30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

1000-meter Universal Transverse Mercator grid values, zone 18 North

5000-foot grid values: Pennsylvania State Plane coordinate system (FIPSZONE 3702), Lambert Conformal Conic projection

DX5510 x

Bench mark (see explanation in Notes to Users section of this FIRM panel)

• M1.5

River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index
EFFECTIVE DATE OF COUNTYWIDE

FLOOD INSURANCE RATE MAP

DECEMBER 5, 1997
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



MAP SCALE 1" = 500' 0 0 500 1

150 0 150 300 METER

PANEL 0482G

FLOOD INSURANCE RATE MAP

BERKS COUNTY, PENNSYLVANIA

(ALL JURISDICTIONS)

DANEL 400 OF 704

PANEL 482 OF 700
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

SPRING, TWP OF

 CONTAINS:
 NUMBER
 PANEL
 SUFFIX

 BERN, TWP OF
 421050
 0482
 G

 LOWER HEIDELBERG, TWP OF 421077
 0482
 G

421108 0482

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



MAP NUMBER 42011C0482G MAP REVISED JULY 3, 2012

|||||||| Federal Emergency Management Agency

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

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Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

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NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

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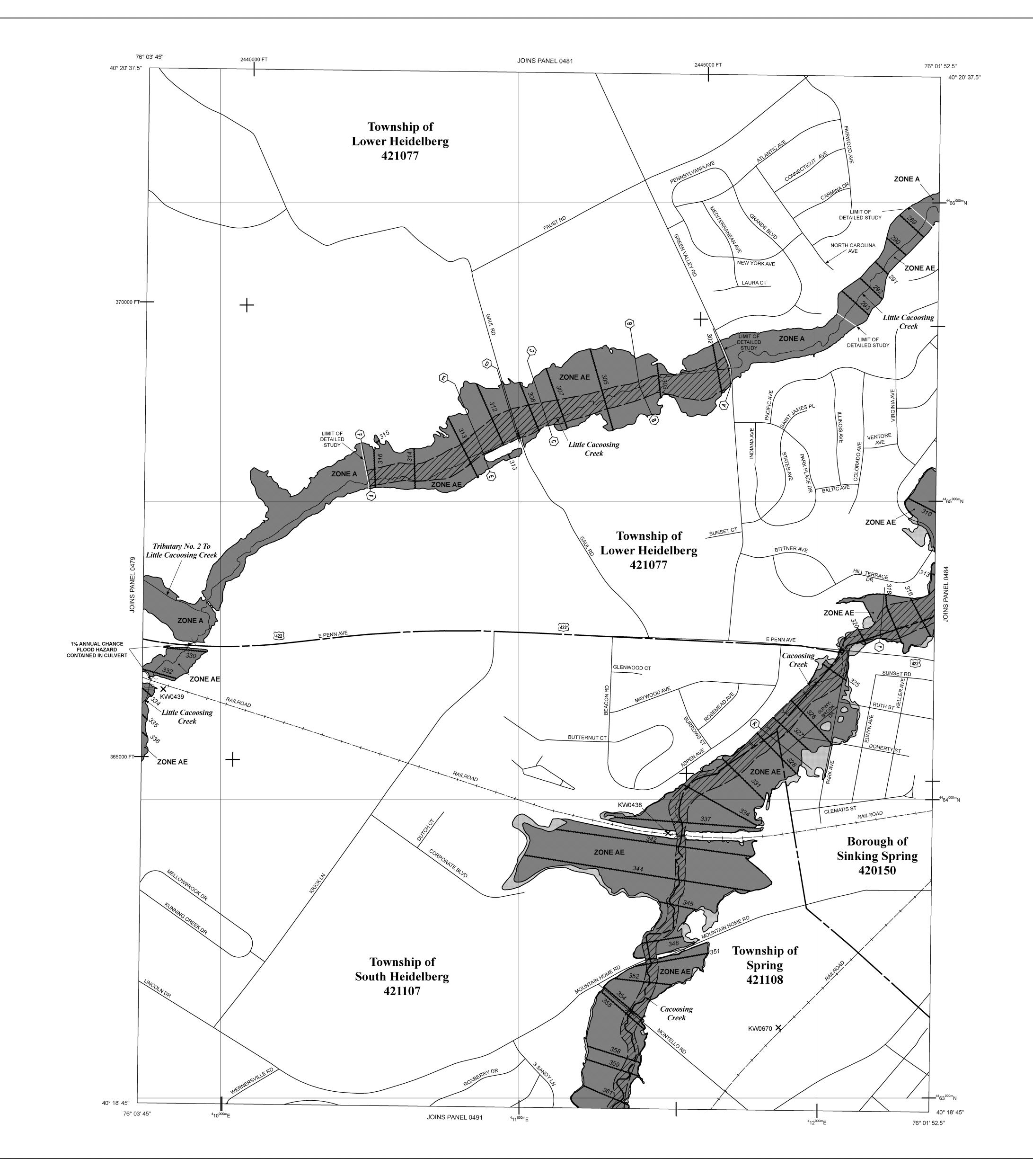
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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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ZONE A No Base Flood Elevations determined.

ZONE AO

ZONE AE

Base Flood Elevations determined.

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance

flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood

Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood beingts.

OTHER FLOOD AREAS

E X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary
Floodway boundary

Zone D boundary CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different

Base Flood Elevations, flood depths or flood velocities

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

Footbridge

---- Culvert

A Cross section line
Transect line

87°07'45", 32°22'30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

N 1000-meter Universal Transverse Mercator grid values, zone 18 North 5000-foot grid ticks: Pennsylvania State Plane coordinate

600000 FT system (FIPSZONE 3702), Lambert Conformal Conic projection

Bench mark (see explanation in Notes to Users section of this FIRM panel)

• M1.5 River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index
EFFECTIVE DATE OF COUNTYWIDE

FLOOD INSURANCE RATE MAP
DECEMBER 5, 1997
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study report for the description of revisions.

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To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500' 500 100

150 0 150 300

PANEL 0483G FIRM

FLOOD INSURANCE RATE MAP

BERKS COUNTY,
PENNSYLVANIA
(ALL JURISDICTIONS)

PANEL 483 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

CONTAINS:

COMMUNITY
LOWER HEIDELBERG, TWP OF 421077
SINKING SPRING, BOR OF 420150

O483
G

O483
G

 SOUTH HEIDELBERG, TWP OF 421107
 0483

 SPRING, TWP OF 421108
 0483

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 42011C0483G MAP REVISED JULY 3, 2012

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

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Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

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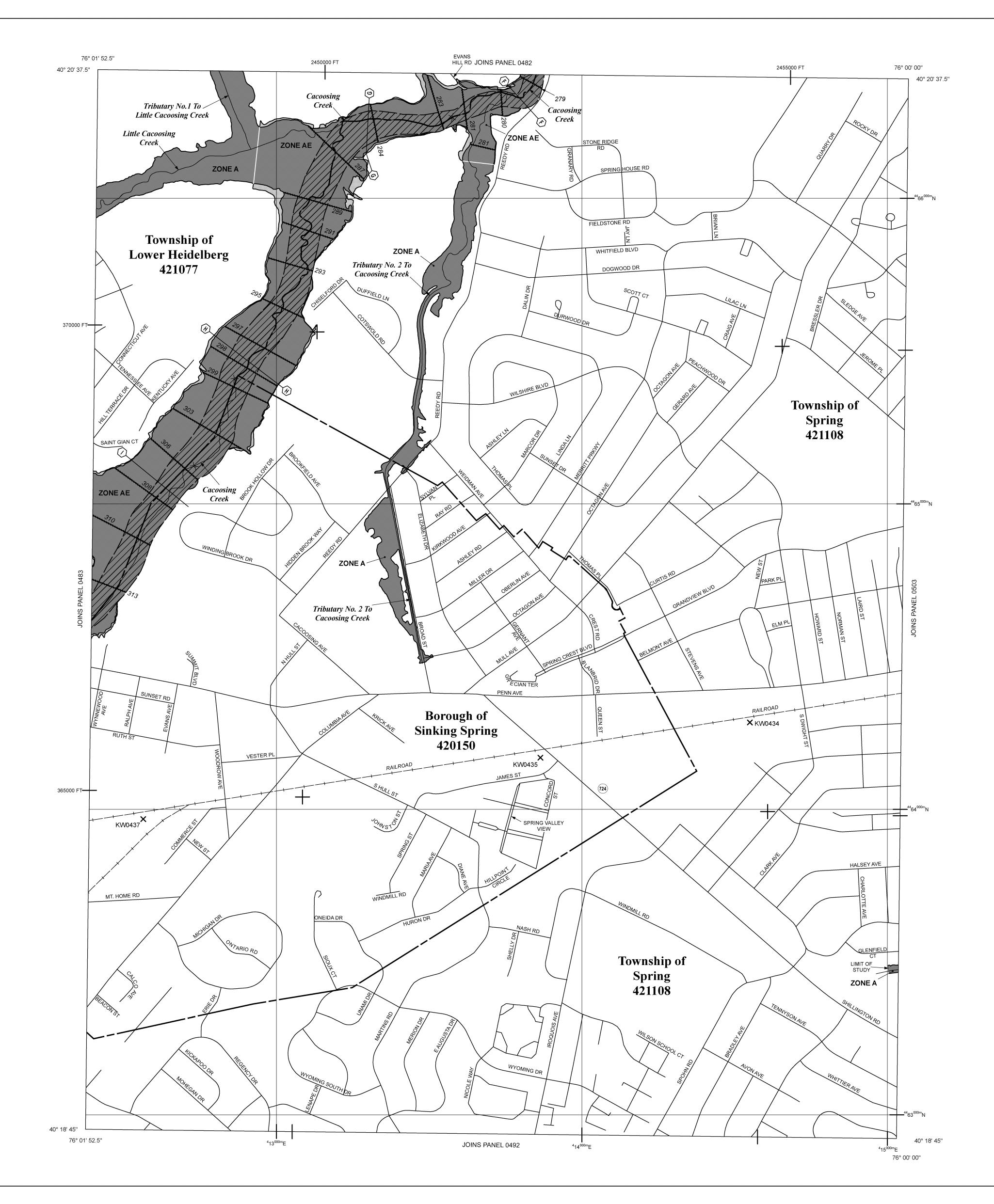
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LEGEND

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ZONE A No Base Flood Elevations determined. ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR **ZONE AR**

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

depths determined. For areas of alluvial fan flooding, velocities also

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary Floodway boundary Zone D boundary

CBRS and OPA boundary Boundary dividing Special Flood Hazard Area Zones and

boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation

* Referenced to the North American Vertical Datum of 1988

Footbridge

Cross section line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 87°07'45", 32°22'30" 1000-meter Universal Transverse Mercator grid values, zone 18 North

5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this

FIRM panel) ● M1.5 River Mile

report for the description of revisions.

MAP REPOSITORY Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

DECEMBER 5, 1997 EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study

For community map revision history prior to countywide mapping, refer to the Community Map

History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call

the National Flood Insurance Program at 1-800-638-6620.

PANEL 0484G

BERKS COUNTY, **PENNSYLVANIA**

(ALL JURISDICTIONS)

FLOOD INSURANCE RATE MAP

PANEL 484 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

SPRING, TWP OF

NUMBER PANEL SUFFIX LOWER HEIDELBERG, TWP OF 421077 0484

SINKING SPRING, BOR OF 420150 0484

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

421108 0484



42011C0484G **MAP REVISED JULY 3, 2012**

MAP NUMBER

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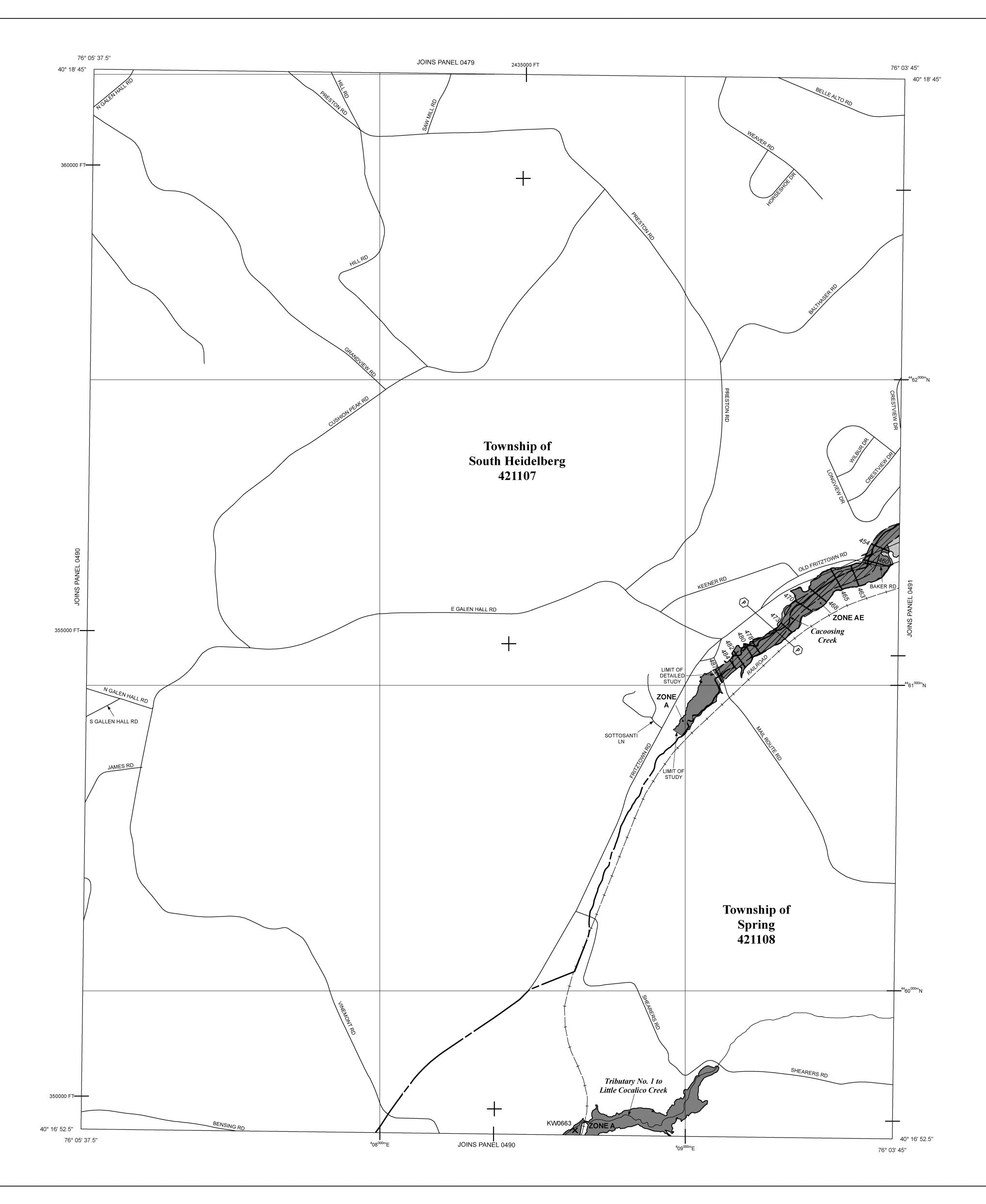
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LEGEND

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INUNDATION BY THE 1% ANNUAL CHANCE FLOOD The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined. **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

depths determined. For areas of alluvial fan flooding, velocities also Special Flood Hazard Area formerly protected from the 1% annual chance **ZONE AR** flood by a flood control system that was subsequently decertified. Zone AR

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood. ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood

protection system under construction; no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); no Base Flood ZONE V Elevations determined

Elevations determined. FLOODWAY AREAS IN ZONE AE

ZONE VE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

Coastal flood zone with velocity hazard (wave action); Base Flood

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

Areas in which flood hazards are undetermined, but possible.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary 0.2% annual chance floodplain boundary Floodway boundary

Zone D boundary CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different

Base Flood Elevations, flood depths or flood velocities

...... 513 ······ Base Flood Elevation line and value; elevation in feet* Base Flood Elevation value where uniform within zone; elevation

* Referenced to the North American Vertical Datum of 1988

Footbridge

Culvert

Cross section line

87°07'45", 32°22'30"

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 1000-meter Universal Transverse Mercator grid values, zone 18 North

5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel)

● M1.5 River Mile

MAP REPOSITORY Refer to listing of Map Repositories on Map Index EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

DECEMBER 5, 1997 EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



FIRM FLOOD INSURANCE RATE MAP BERKS COUNTY, **PENNSYLVANIA**

PANEL 487 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

(ALL JURISDICTIONS)

CONTAINS:

NUMBER PANEL SUFFIX COMMUNITY SOUTH HEIDELBERG, TWP OF 421107 0487 G SPRING, TWP OF 421108 0487 G

PANEL 0487G

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



MAP NUMBER 42011C0487G **MAP REVISED JULY 3, 2012**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18 North. Horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov/.

BASE MAP SOURCE: Base map files were obtained in digital spatial data format from the Pennsylvania Spatial Data Access (PASDA) geospatial information clearinghouse for the Commonwealth of Pennsylvania and Berks County. Road centerlines, political boundaries, and streamlines were provided by county. 2008 LiDAR data were downloaded from the PASDA website at http://www.pasda.psu.edu/.

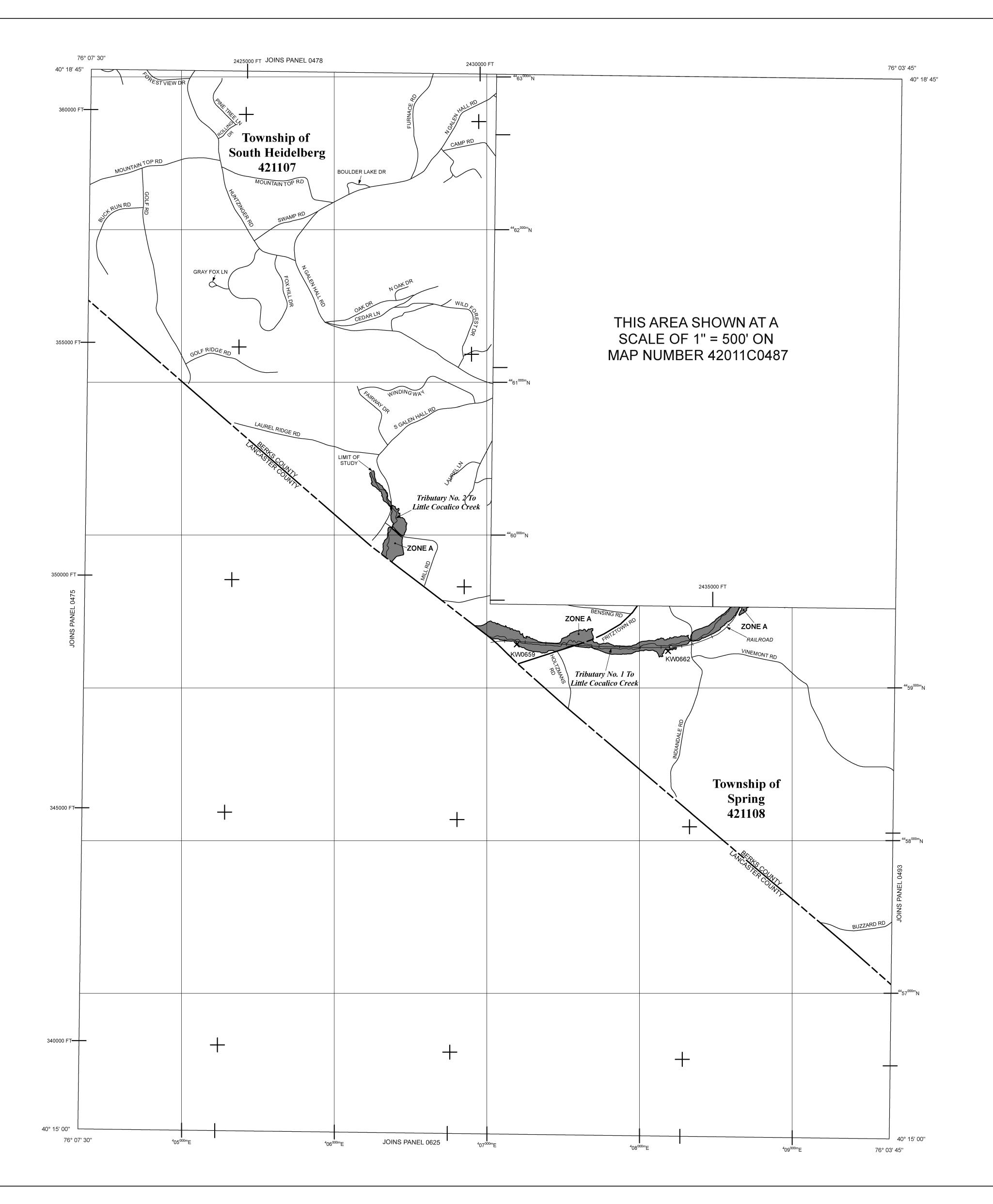
Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the Map Service Center (MSC) website at http://msc.fema.gov/. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report. and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have questions about this map how to order products of the National Flood Insurance Program in general, please call the FEMA Map Information eXchange (FMIX) at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AO

ZONE X

ZONE AE Base Flood Elevations determined. **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood

depths determined. For areas of alluvial fan flooding, velocities also **ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance

flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary 0.2% annual chance floodplain boundary

Floodway boundary Zone D boundary CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and

boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities

Base Flood Elevation line and value; elevation in feet* Base Flood Elevation value where uniform within zone; elevation

* Referenced to the North American Vertical Datum of 1988

Footbridge

Culvert

Cross section line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 87°07'45", 32°22'30" 1000-meter Universal Transverse Mercator grid values, zone 18 North

5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this

FIRM panel) ● M1.5 River Mile

> MAP REPOSITORY Refer to listing of Map Repositories on Map Index EFFECTIVE DATE OF COUNTYWIDE

FLOOD INSURANCE RATE MAP DECEMBER 5, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map

History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call

the National Flood Insurance Program at 1-800-638-6620.

1000

■ METERS



BERKS COUNTY, **PENNSYLVANIA** (ALL JURISDICTIONS)

PANEL 490 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY NUMBER PANEL SUFFIX

PANEL 0490G

SOUTH HEIDELBERG, TWP OF 421107 0490 G SPRING, TWP OF 421108 0490 G

Notice to User: The Map Number shown below should be 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



MAP NUMBER 42011C0490G **MAP REVISED JULY 3, 2012**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18 North. Horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov/.

BASE MAP SOURCE: Base map files were obtained in digital spatial data format from the Pennsylvania Spatial Data Access (PASDA) geospatial information clearinghouse for the Commonwealth of Pennsylvania and Berks County. Road centerlines, political boundaries, and streamlines were provided by county. 2008 LiDAR data were downloaded from the PASDA website at http://www.pasda.psu.edu/.

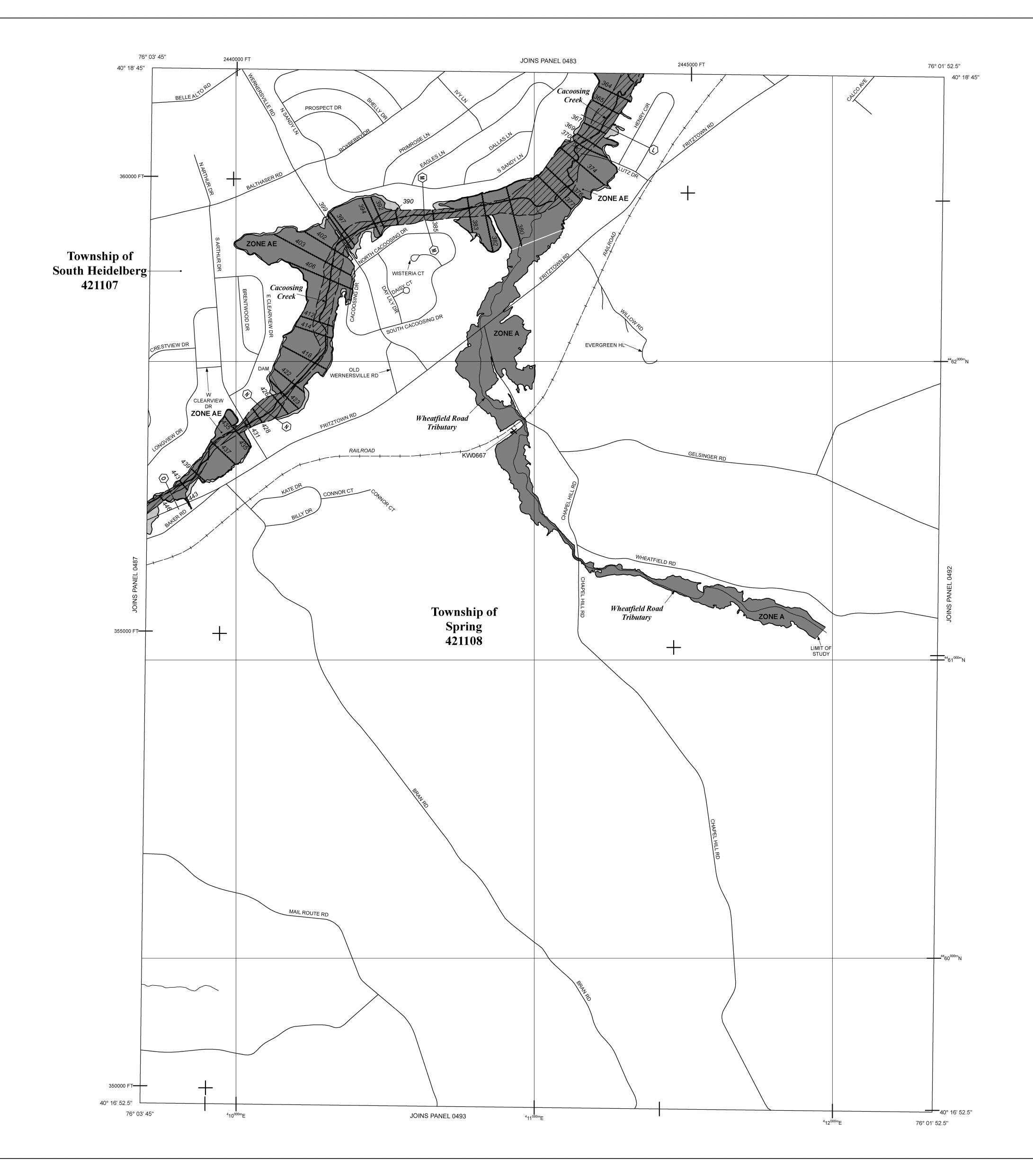
Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the Map Service Center (MSC) website at http://msc.fema.gov/. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined. **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

depths determined. For areas of alluvial fan flooding, velocities also **ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); no Base Flood ZONE V Elevations determined

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas. 1% annual chance floodplain boundary

0.2% annual chance floodplain boundary Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation

* Referenced to the North American Vertical Datum of 1988

Footbridge

Cross section line

87°07'45", 32°22'30"

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

1000-meter Universal Transverse Mercator grid values, zone 18 North 5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT

system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel)

River Mile

● M1.5

MAP REPOSITORY Refer to listing of Map Repositories on Map Index EFFECTIVE DATE OF COUNTYWIDE

FLOOD INSURANCE RATE MAP DECEMBER 5, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study

report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map

History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call

the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500' 250 500

PANEL 0491G **FIRM**

BERKS COUNTY, **PENNSYLVANIA**

(ALL JURISDICTIONS)

FLOOD INSURANCE RATE MAP

PANEL 491 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS: COMMUNITY NUMBER PANEL SUFFIX

SOUTH HEIDELBERG, TWP OF 421107 0491 G SPRING, TWP OF 421108 0491 G

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



42011C0491G **MAP REVISED JULY 3, 2012**

MAP NUMBER

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18 North. Horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov/.

BASE MAP SOURCE: Base map files were obtained in digital spatial data format from the Pennsylvania Spatial Data Access (PASDA) geospatial information clearinghouse for the Commonwealth of Pennsylvania and Berks County. Road centerlines, political boundaries, and streamlines were provided by county. 2008 LiDAR data were downloaded from the PASDA website at http://www.pasda.psu.edu/.

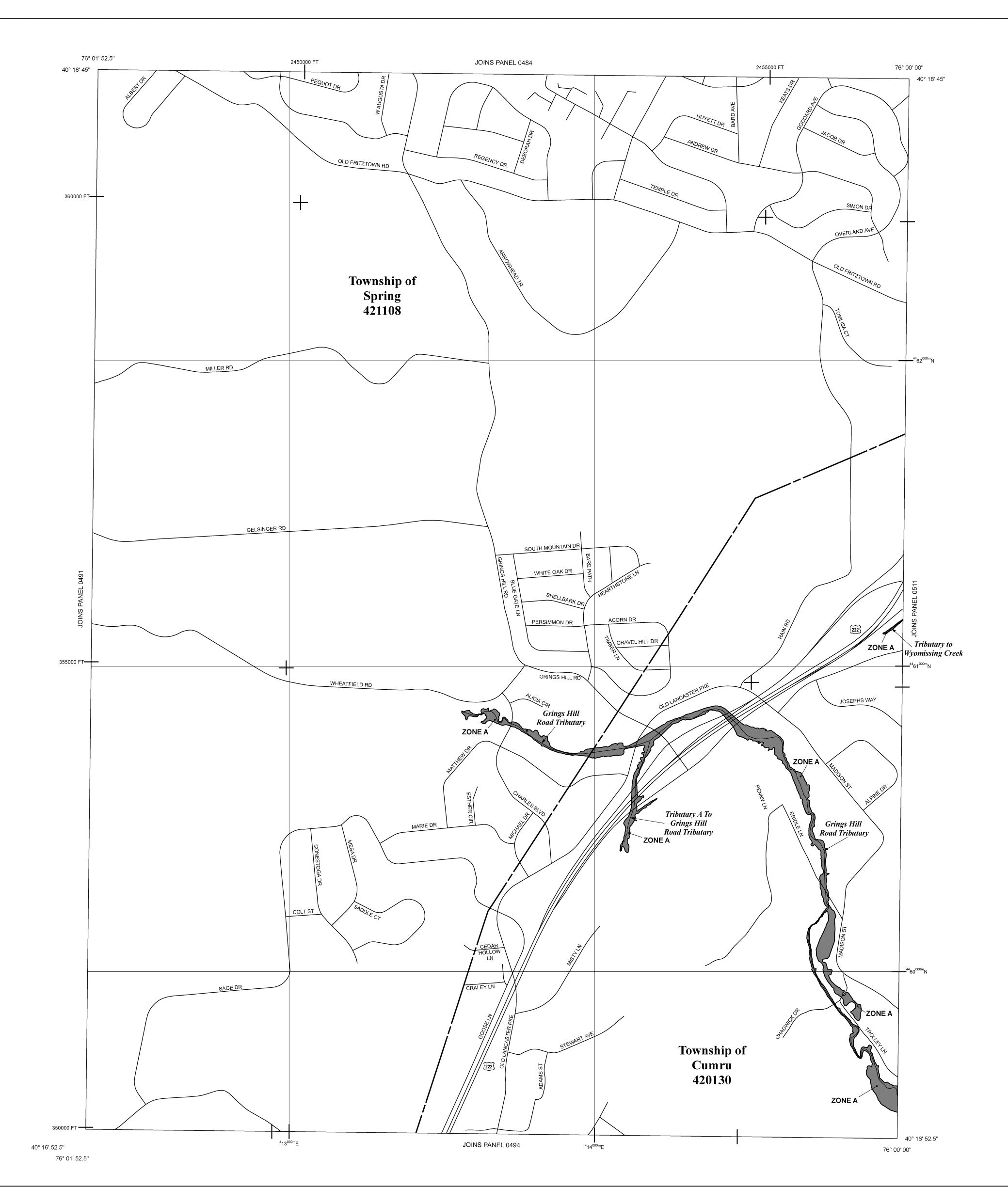
Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on previous maps.

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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO

INUNDATION BY THE 1% ANNUAL CHANCE FLOOD The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined. ZONE AE

Base Flood Elevations determined. **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

depths determined. For areas of alluvial fan flooding, velocities also

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); no Base Flood ZONE V Elevations determined

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible. COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary 0.2% annual chance floodplain boundary Floodway boundary

> CBRS and OPA boundary Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different

Base Flood Elevations, flood depths or flood velocities 513 ······ Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation * Referenced to the North American Vertical Datum of 1988

Zone D boundary

Footbridge Culvert

Cross section line

87°07'45", 32°22'30"

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 1000-meter Universal Transverse Mercator grid values, zone 18 North

5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel) ● M1.5 River Mile

> MAP REPOSITORY Refer to listing of Map Repositories on Map Index EFFECTIVE DATE OF COUNTYWIDE

FLOOD INSURANCE RATE MAP DECEMBER 5, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study

report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



FLOOD INSURANCE RATE MAP BERKS COUNTY, **PENNSYLVANIA** (ALL JURISDICTIONS)

PANEL 492 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

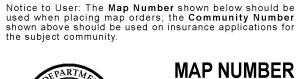
PANEL 0492G

CONTAINS:

SPRING, TWP OF

COMMUNITY NUMBER PANEL SUFFIX 420130 0492 G CUMRU, TWP OF

421108 0492 G





MAP REVISED JULY 3, 2012

42011C0492G

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood **control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18 North. Horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

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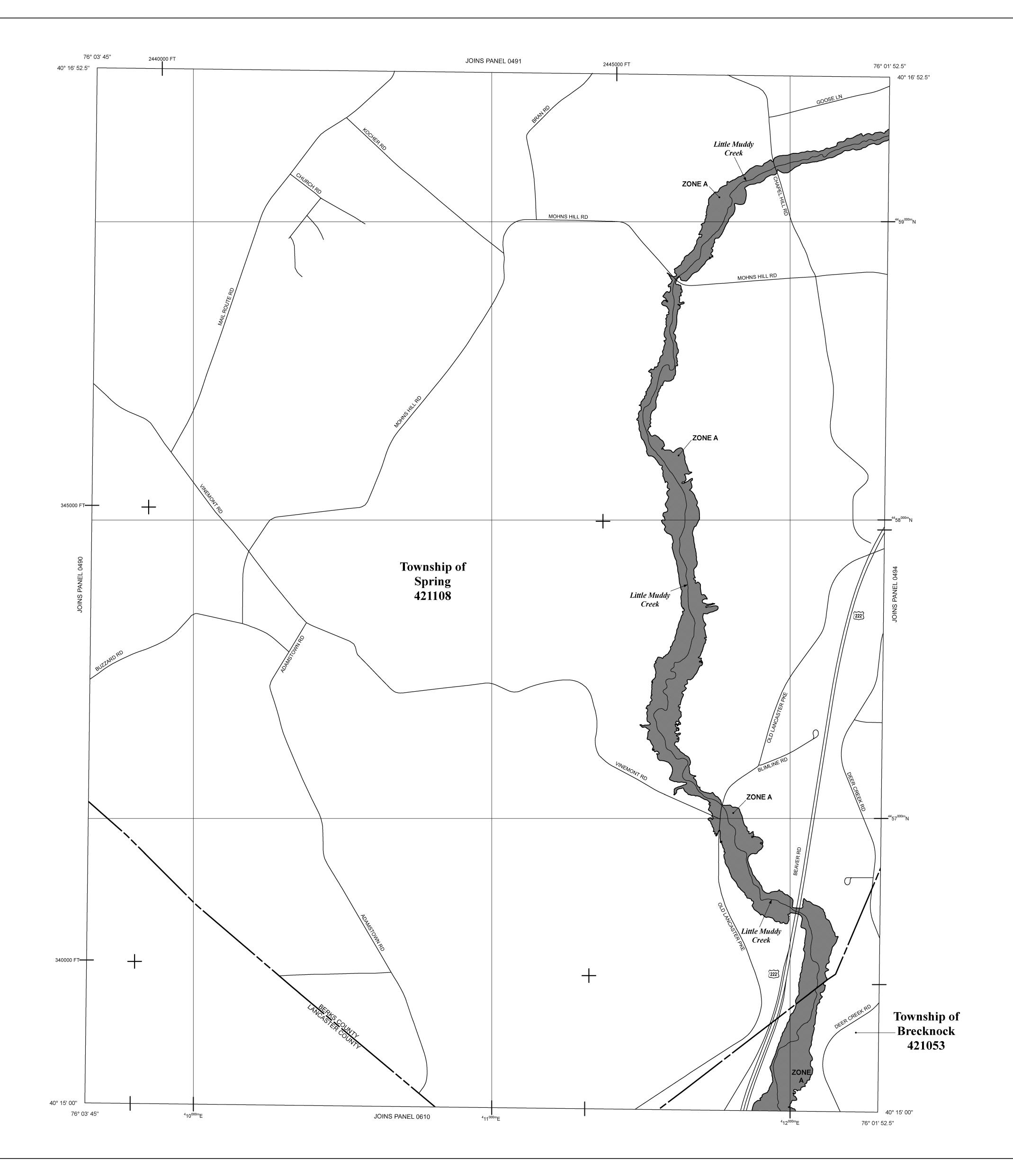
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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO

INUNDATION BY THE 1% ANNUAL CHANCE FLOOD The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined. ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

depths determined. For areas of alluvial fan flooding, velocities also

Coastal flood zone with velocity hazard (wave action); Base Flood

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined

Elevations determined. FLOODWAY AREAS IN ZONE AE

ZONE VE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

Zone D boundary

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary 0.2% annual chance floodplain boundary Floodway boundary

CBRS and OPA boundary Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different

Base Flood Elevations, flood depths or flood velocities 513 ······ Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation * Referenced to the North American Vertical Datum of 1988

> Footbridge Culvert

> > Cross section line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 87°07'45", 32°22'30" 1000-meter Universal Transverse Mercator grid values, zone 18 North

5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel) ● M1.5 River Mile

> Refer to listing of Map Repositories on Map Index EFFECTIVE DATE OF COUNTYWIDE

MAP REPOSITORY

FLOOD INSURANCE RATE MAP DECEMBER 5, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

FIRM FLOOD INSURANCE RATE MAP BERKS COUNTY, **PENNSYLVANIA**

PANEL 493 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

(ALL JURISDICTIONS)

CONTAINS:

SPRING, TWP OF

NUMBER PANEL SUFFIX COMMUNITY BRECKNOCK, TWP OF 421053 0493 G

PANEL 0493G

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

421108 0493 G



42011C0493G **MAP REVISED JULY 3, 2012**

MAP NUMBER

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NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

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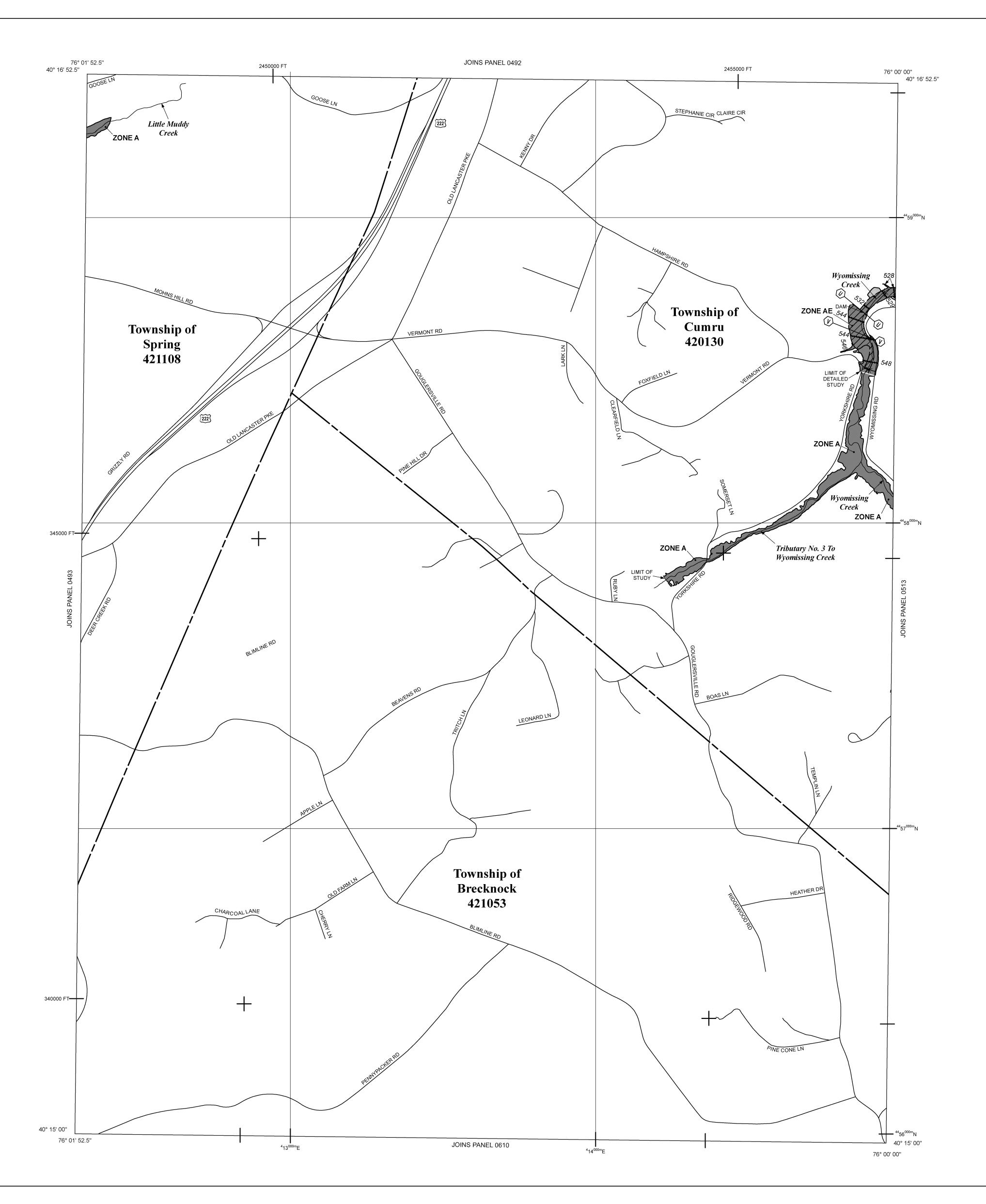
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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined. ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood **ZONE AO**

depths determined. For areas of alluvial fan flooding, velocities also **ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood. ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

protection system under construction; no Base Flood Elevations

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood

Elevations determined. FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary 0.2% annual chance floodplain boundary

> Floodway boundary Zone D boundary CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different

Base Flood Elevations, flood depths or flood velocities Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation

* Referenced to the North American Vertical Datum of 1988

...... 513 ······

Footbridge Culvert

Cross section line

report for the description of revisions.

the National Flood Insurance Program at 1-800-638-6620.

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 87°07'45", 32°22'30"

1000-meter Universal Transverse Mercator grid values, zone 18 North 5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this

FIRM panel) ● M1.5 River Mile

> MAP REPOSITORY Refer to listing of Map Repositories on Map Index EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

DECEMBER 5, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study

For community map revision history prior to countywide mapping, refer to the Community Map

History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call

CONTAINS:

FLOOD INSURANCE RATE MAP

PANEL 0494G

BERKS COUNTY, **PENNSYLVANIA** (ALL JURISDICTIONS)

PANEL 494 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

COMMUNITY BRECKNOCK, TWP OF

NUMBER PANEL SUFFIX 421053 0494 G CUMRU, TWP OF 420130 0494 421108 SPRING, TWP OF

0494

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



MAP NUMBER 42011C0494G **MAP REVISED JULY 3, 2012**

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Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

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The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18 North. Horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

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NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov/.

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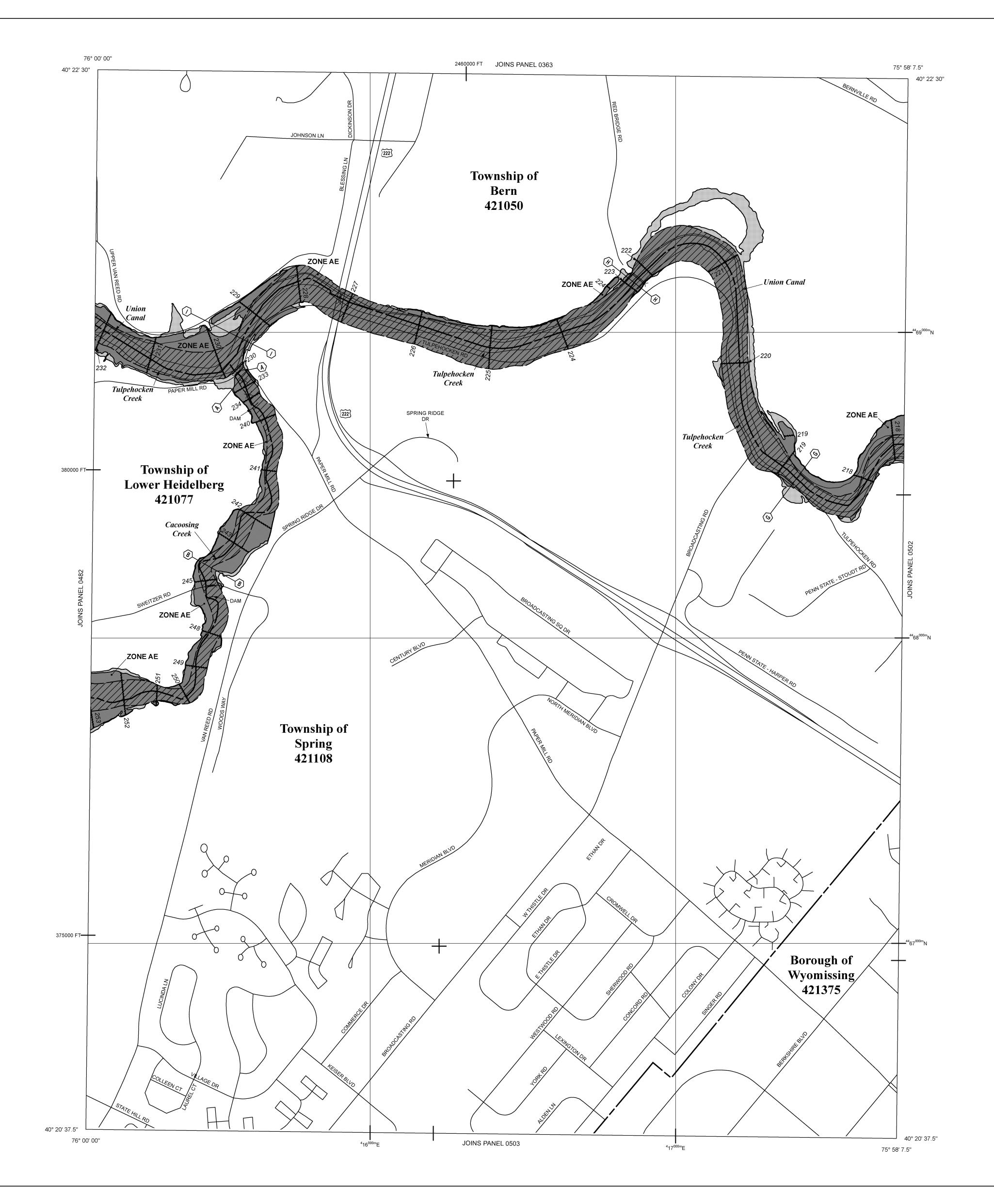
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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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ZONE A No Base Flood Elevations determined.

ZONE AO

ZONE AE Base Flood Elevations determined. ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood

depths determined. For areas of alluvial fan flooding, velocities also **ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance

flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); no Base Flood ZONE V

Elevations determined ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood

Elevations determined. FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible. COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas. 1% annual chance floodplain boundary

> 0.2% annual chance floodplain boundary Floodway boundary Zone D boundary

CBRS and OPA boundary Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different

Base Flood Elevations, flood depths or flood velocities Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation

* Referenced to the North American Vertical Datum of 1988

Footbridge

Cross section line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 87°07'45", 32°22'30"

1000-meter Universal Transverse Mercator grid values, zone 18 North 5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT system (FIPSZONE 3702), Lambert Conformal Conic

FIRM panel) ● M1.5 River Mile

MAP REPOSITORY Refer to listing of Map Repositories on Map Index

FLOOD INSURANCE RATE MAP **DECEMBER 5, 1997**

EFFECTIVE DATE OF COUNTYWIDE

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



FLOOD INSURANCE RATE MAP BERKS COUNTY, **PENNSYLVANIA** (ALL JURISDICTIONS)

PANEL 501 OF 700

WYOMISSING, BOR OF

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY NUMBER PANEL SUFFIX 421050 LOWER HEIDELBERG, TWP OF 421077 0501 SPRING, TWP OF 421108 0501

421375 0501

PANEL 0501G

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



MAP NUMBER 42011C0501G **MAP REVISED JULY 3, 2012**

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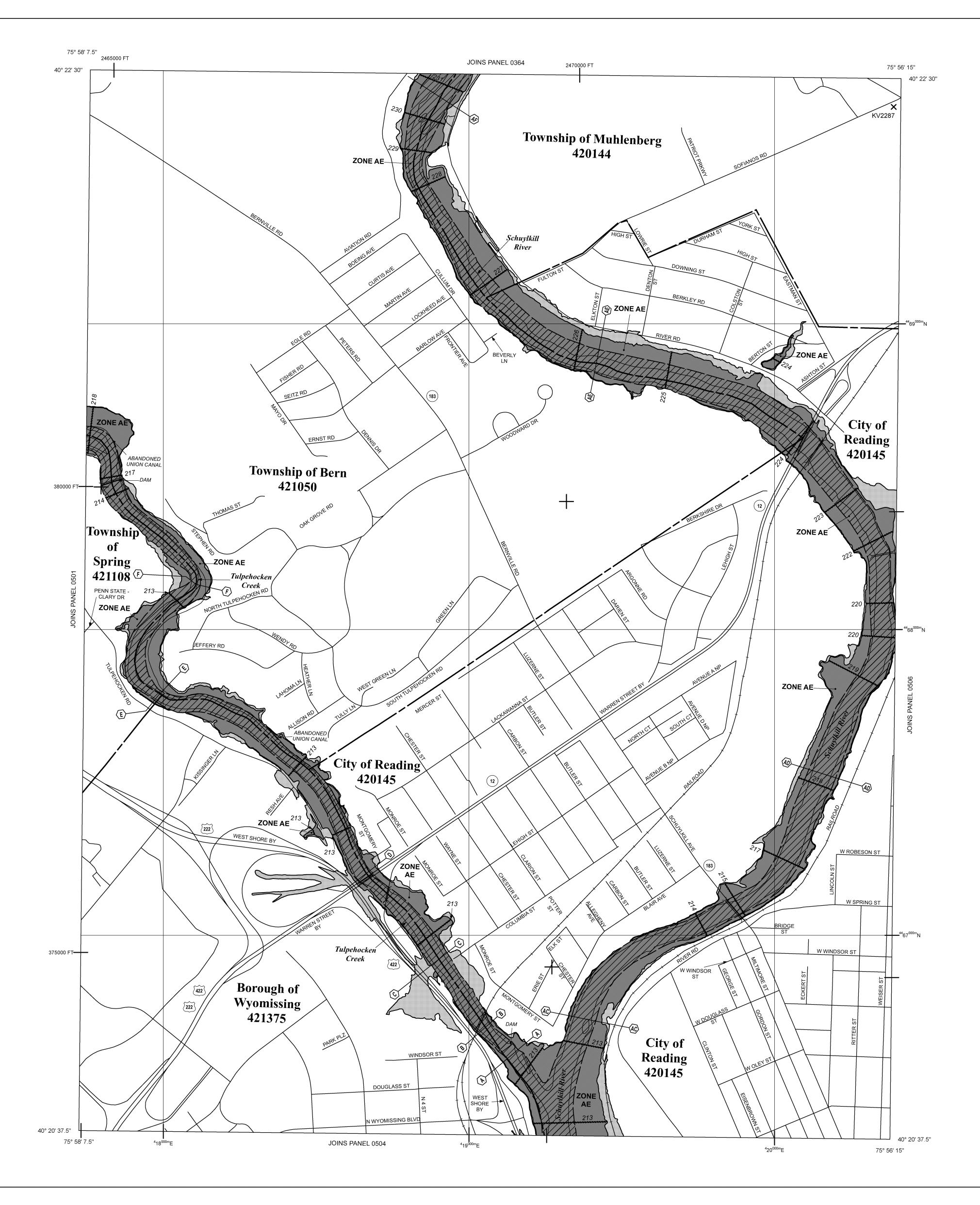
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LEGEND

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ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined. ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

depths determined. For areas of alluvial fan flooding, velocities also

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible. COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary 0.2% annual chance floodplain boundary Floodway boundary

Zone D boundary

CBRS and OPA boundary Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different

Base Flood Elevations, flood depths or flood velocities

Base Flood Elevation line and value; elevation in feet* Base Flood Elevation value where uniform within zone; elevation

* Referenced to the North American Vertical Datum of 1988

Footbridge

Cross section line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 87°07'45", 32°22'30" 1000-meter Universal Transverse Mercator grid values, zone 18 North

5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel) ● M1.5 River Mile

> MAP REPOSITORY Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

DECEMBER 5, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

FLOOD INSURANCE RATE MAP BERKS COUNTY,

PENNSYLVANIA

(ALL JURISDICTIONS)

PANEL 0502G

PANEL 502 OF 700 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

WYOMISSING, BOR OF

COMMUNITY NUMBER PANEL SUFFIX 421050 MUHLENBERG, TWP OF 420144 0502 READING, CITY OF 420145 0502 SPRING, TWP OF 421108 0502

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

421375 0502



42011C0502G **MAP REVISED JULY 3, 2012**

MAP NUMBER

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood **control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18 North. Horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov/.

BASE MAP SOURCE: Base map files were obtained in digital spatial data format from the Pennsylvania Spatial Data Access (PASDA) geospatial information clearinghouse for the Commonwealth of Pennsylvania and Berks County. Road centerlines, political boundaries, and streamlines were provided by county. 2008 LiDAR data were downloaded from the PASDA website at http://www.pasda.psu.edu/.

Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on previous maps.

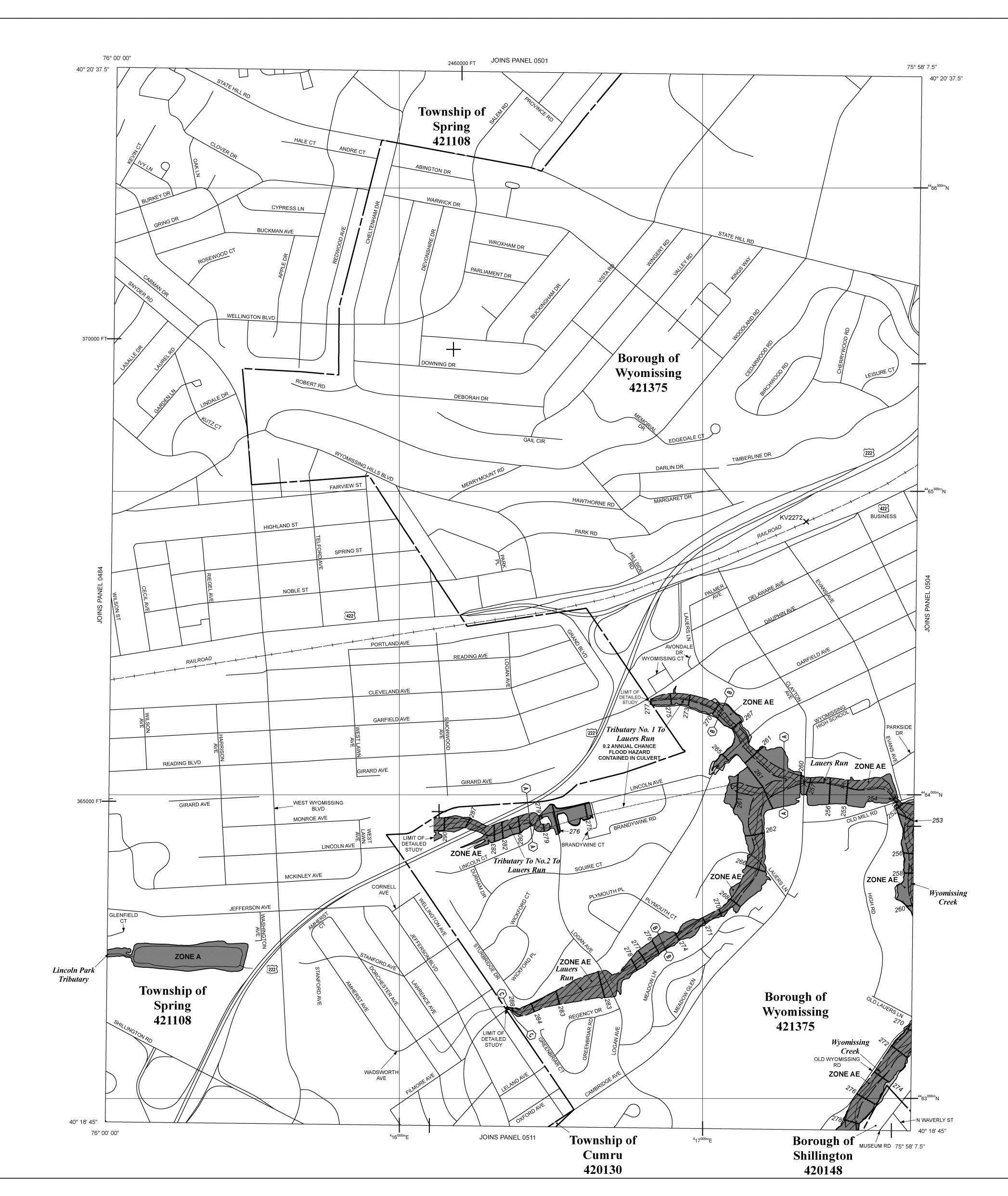
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Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the Map Service Center (MSC) website at http://msc.fema.gov/. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have questions about this map how to order products of the National Flood Insurance Program in general, please call the FEMA Map Information eXchange (FMIX) at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA

website at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined. ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

Special Flood Hazard Area formerly protected from the 1% annual chance **ZONE AR** flood by a flood control system that was subsequently decertified. Zone AR

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood. ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood

depths determined. For areas of alluvial fan flooding, velocities also

protection system under construction; no Base Flood Elevations

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas. 1% annual chance floodplain boundary

> 0.2% annual chance floodplain boundary Floodway boundary Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and

boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation

* Referenced to the North American Vertical Datum of 1988

Footbridge Culvert

Cross section line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 87°07'45", 32°22'30"

1000-meter Universal Transverse Mercator grid values, zone 18 North

5000-foot grid values: Pennsylvania State Plane coordinate 600000 FT system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel)

● M1.5 River Mile

MAP REPOSITORY Refer to listing of Map Repositories on Map Index EFFECTIVE DATE OF COUNTYWIDE

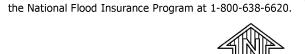
FLOOD INSURANCE RATE MAP DECEMBER 5, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study

report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map

History table located in the Flood Insurance Study report for this jurisdiction To determine if flood insurance is available in this community, contact your insurance agent or call



PANEL 0503G

FLOOD INSURANCE RATE MAP BERKS COUNTY, **PENNSYLVANIA**

PANEL 503 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

(ALL JURISDICTIONS)

CONTAINS:

COMMUNITY NUMBER PANEL SUFFIX 420130 SHILLINGTON, BOR OF 420148 SPRING, TWP OF 421108 WYOMISSING, BOR OF 421375 0503

0503

0503

0503

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



42011C0503G **MAP REVISED JULY 3, 2012**

MAP NUMBER

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18 North. **Horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov/.

BASE MAP SOURCE: Base map files were obtained in digital spatial data format from the Pennsylvania Spatial Data Access (PASDA) geospatial information clearinghouse for the Commonwealth of Pennsylvania and Berks County. Road centerlines, political boundaries, and streamlines were provided by county. 2008 LiDAR data were downloaded from the PASDA website at http://www.pasda.psu.edu/.

Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on previous maps.

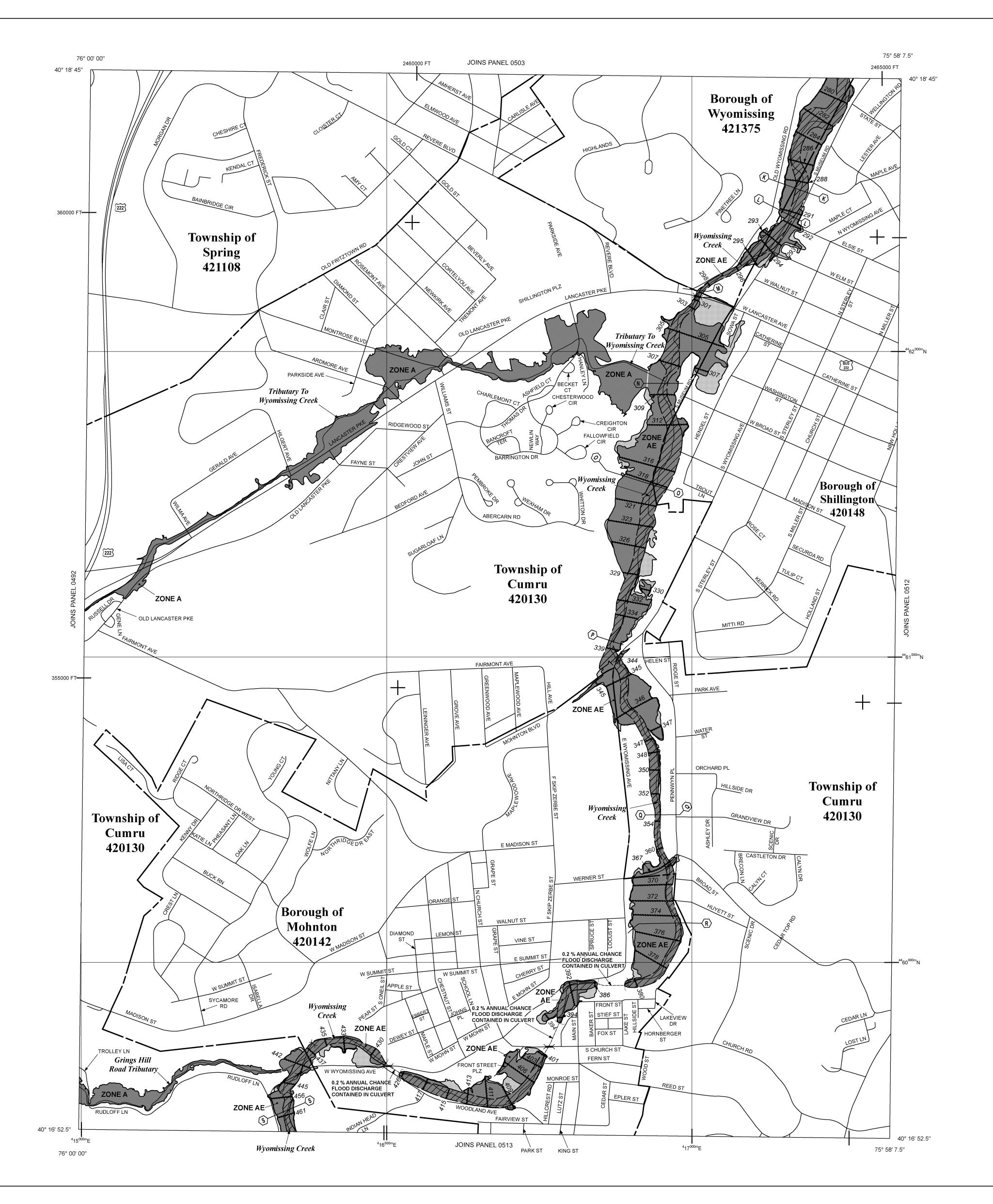
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Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

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website at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AE

Base Flood Elevations determined.

ZONE AH

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

ZONE AR

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR

indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

depths determined. For areas of alluvial fan flooding, velocities also

Coastal flood zone with velocity hazard (wave action); Base Flood

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

Elevations determined.

FLOODWAY AREAS IN ZONE AE

ZONE VE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood bailetts.

OTHER FLOOD AREAS

ZONE X

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary 0.2% annual chance floodplain boundary

Floodway boundary
Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different

Base Flood Elevations, flood depths or flood velocities

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation line and value; elevation in feet*

(EL 987)

Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

Footbridge

Cross section line

Cross section line
Transect line

23) Transect line
87°07'45", 32°22'30" Geographic coordinates refe

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

1000-meter Universal Transverse Mercator grid values, zone 18 North

5000-foot grid ticks: Pennsylvania State Plane coordinate system (FIPSZONE 3702), Lambert Conformal Conic

projection

Rench mark (see explanation in Notes to Users section of

DX5510 x

Bench mark (see explanation in Notes to Users section of this FIRM panel)

• M1.5

River Mile

MAP REPOSITORY Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP

DECEMBER 5, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study

report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

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MAP SCALE 1" = 500'

MAP SCALE 1" = 500' 0 500 1000 H F F F E

150 0 150 300

FIRM FLOOD INSURANCE RATE MAP BERKS COUNTY, PENNSYLVANIA

PANEL 511 OF 700

(ALL JURISDICTIONS)

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

PANEL 0511G

CONTAINS:

WYOMISSING, BOR OF

 COMMUNITY
 NUMBER 420130
 PANEL 0511
 SUFFIX 0511

 CUMRU, TWP OF 420130
 0511
 G

 MOHNTON, BOR OF 420142
 0511
 G

 SHILLINGTON, BOR OF 5PRING, TWP OF 421108
 0511
 G

421375 0511

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



42011C0511G MAP REVISED JULY 3, 2012

MAP NUMBER

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Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood **control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18 North. Horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

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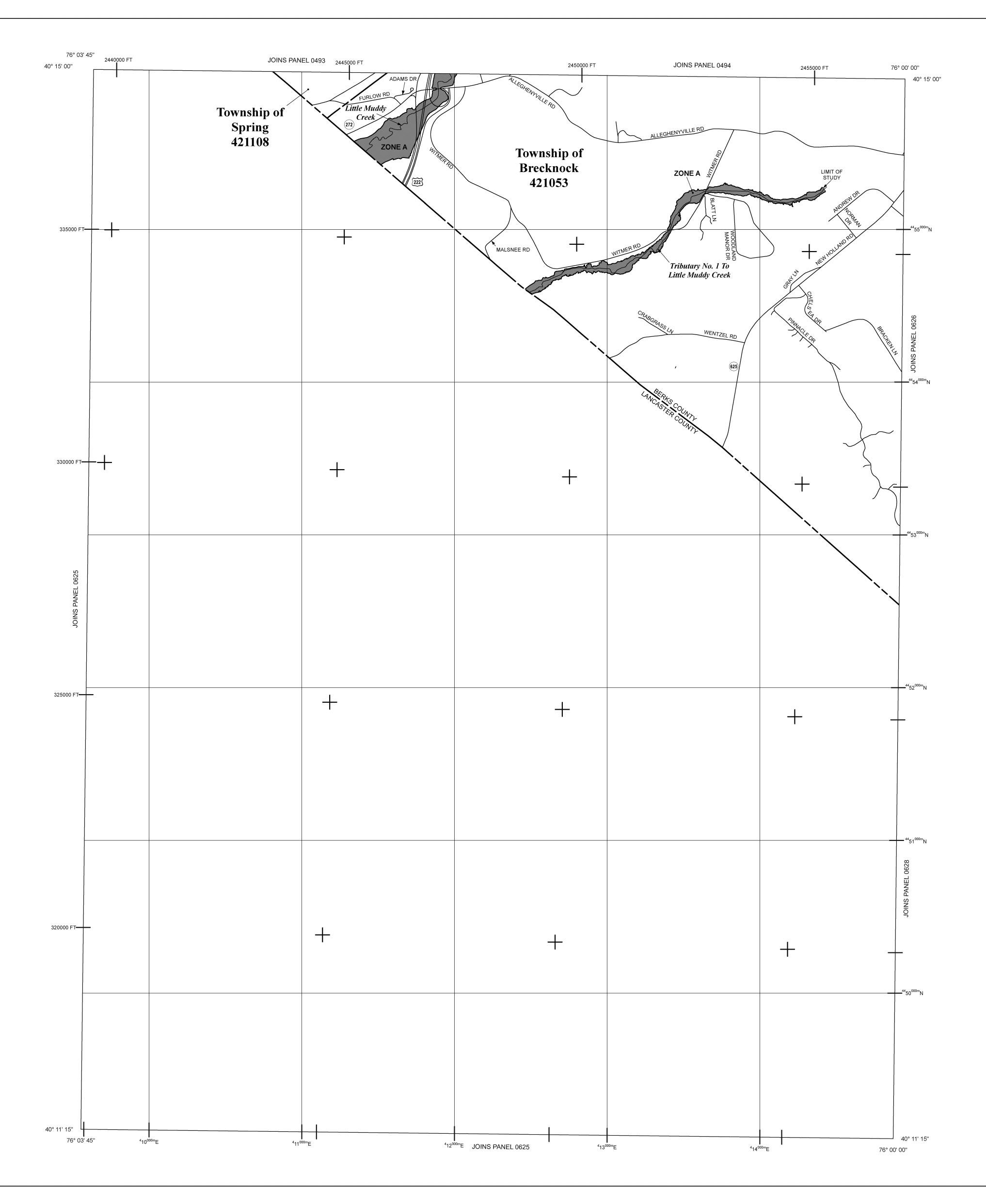
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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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ZONE A No Base Flood Elevations determined.

ZONE AO

ZONE X

...... 513 ······

● M1.5

ZONE AE Base Flood Elevations determined. **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood

depths determined. For areas of alluvial fan flooding, velocities also **ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance

flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); no Base Flood ZONE V Elevations determined

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood

Elevations determined. FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible. COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas. 1% annual chance floodplain boundary 0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and

boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation

* Referenced to the North American Vertical Datum of 1988

Footbridge Culvert

Cross section line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 87°07'45", 32°22'30"

1000-meter Universal Transverse Mercator grid values, zone 18 North 5000-foot grid ticks: Pennsylvania State Plane coordinate 600000 FT

system (FIPSZONE 3702), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel)

River Mile

MAP REPOSITORY Refer to listing of Map Repositories on Map Index EFFECTIVE DATE OF COUNTYWIDE

FLOOD INSURANCE RATE MAP DECEMBER 5, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

Please refer to the Notice To Flood Insurance Study Users section of the Flood Insurance Study report for the description of revisions.

For community map revision history prior to countywide mapping, refer to the Community Map

History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call

the National Flood Insurance Program at 1-800-638-6620.

1000

■ METERS

FLOOD INSURANCE RATE MAP BERKS COUNTY, **PENNSYLVANIA** (ALL JURISDICTIONS)

PANEL 610 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY NUMBER PANEL SUFFIX BRECKNOCK, TWP OF 421053 0610 G SPRING, TWP OF 421108 0610 G

PANEL 0610G

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



MAP NUMBER 42011C0610G **MAP REVISED JULY 3, 2012**