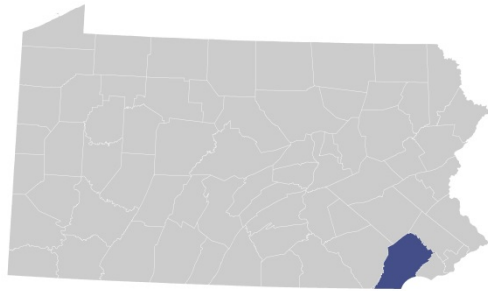


# FLOOD INSURANCE STUDY

## FEDERAL EMERGENCY MANAGEMENT AGENCY

---

VOLUME 3 OF 6



## CHESTER COUNTY, PENNSYLVANIA

(ALL JURISDICTIONS)

---

\*See [Table 1: Listing of NFIP Jurisdictions](#) for a complete listing of the communities represented in this Flood Insurance Study Report

**REVISED:**

SEPTEMBER 29, 2017

FLOOD INSURANCE STUDY NUMBER  
42029CV003B

Version Number 2.3.2.3



**FEMA**

# TABLE OF CONTENTS

## Volume 1

	<u>Page</u>
<b>SECTION 1.0 – INTRODUCTION</b>	<b>1</b>
1.1 The National Flood Insurance Program	1
1.2 Purpose of this Flood Insurance Study Report	2
1.3 Jurisdictions Included in the Flood Insurance Study Project	2
1.4 Considerations for using this Flood Insurance Study Report	8
<b>SECTION 2.0 – FLOODPLAIN MANAGEMENT APPLICATIONS</b>	<b>19</b>
2.1 Floodplain Boundaries	19
2.2 Floodways	20
2.3 Base Flood Elevations	61
2.4 Non-Encroachment Zones	61
2.5 Coastal Flood Hazard Areas	62
2.5.1 Water Elevations and the Effects of Waves	62
2.5.2 Floodplain Boundaries and BFEs for Coastal Areas	62
2.5.3 Coastal High Hazard Areas	62
2.5.4 Limit of Moderate Wave Action	62
<b>SECTION 3.0 – INSURANCE APPLICATIONS</b>	<b>62</b>
3.1 National Flood Insurance Program Insurance Zones	62
3.2 Coastal Barrier Resources System	65
<b>SECTION 4.0 – AREA STUDIED</b>	<b>65</b>
4.1 Basin Description	65
4.2 Principal Flood Problems	66
4.3 Non-Levee Flood Protection Measures	73
4.4 Levees	75
<b>SECTION 5.0 – ENGINEERING METHODS</b>	<b>76</b>
5.1 Hydrologic Analyses	76

### Figures

Figure 1: FIRM Panel Index	10
Figure 2: FIRM Notes to Users	12
Figure 3: Map Legend for FIRM	15
Figure 4: Floodway Schematic	20
Figure 5: Wave Runup Transect Schematic	62
Figure 6: Coastal Transect Schematic	62

**TABLE OF CONTENTS - continued**  
**Volume 1 – continued**

Tables

	<u>Page</u>
Table 1: Listing of NFIP Jurisdictions	2
Table 2: Flooding Sources Included in this FIS Report	22
Table 3: Flood Zone Designations by Community	63
Table 4: Coastal Barrier Resources System Information	65
Table 5: Basin Characteristics	65
Table 6: Principal Flood Problems	66
Table 7: Historic Flooding Elevations	73
Table 8: Non-Levee Flood Protection Measures	73
Table 9: Levees	75
Table 10: Summary of Discharges	77

**Volume 2**

5.2 Hydraulic Analyses	113
5.3 Coastal Analyses	127
5.3.1 Total Stillwater Elevations	127
5.3.2 Waves	127
5.3.3 Coastal Erosion	127
5.3.4 Wave Hazard Analyses	127
5.4 Alluvial Fan Analyses	129
<b>SECTION 6.0 – MAPPING METHODS</b>	<b>132</b>
6.1 Vertical and Horizontal Control	132
6.2 Base Map	133
6.3 Floodplain and Floodway Delineation	134

Figures

Figure 7: Frequency Discharge-Drainage Area Curves	111
Figure 8: 1% Annual Chance Total Stillwater Elevations for Coastal Areas	127
Figure 9: Transect Location Map	129

Tables

Table 11: Summary of Non-Coastal Stillwater Elevations	112
Table 12: Stream Gage Information used to Determine Discharges	113
Table 13: Summary of Hydrologic and Hydraulic Analyses	115
Table 14: Roughness Coefficients	125
Table 15: Summary of Coastal Analyses	127
Table 16: Tide Gage Analysis Specifics	127
Table 17: Coastal Transect Parameters	128

**TABLE OF CONTENTS - continued**  
**Volume 2 – continued**

Tables - continued

	<u>Page</u>
Table 18: Summary of Alluvial Fan Analyses	130
Table 19: Results of Alluvial Fan Analyses	131
Table 20: Countywide Vertical Datum Conversion	132
Table 21: Stream-Based Vertical Datum Conversion	133
Table 22: Base Map Sources	133
Table 23: Summary of Topographic Elevation Data used in Mapping	135
Table 24: Floodway Data	136

**Volume 3**

6.4	Coastal Flood Hazard Mapping	227
6.5	FIRM Revisions	227
	6.5.1 Letters of Map Amendment	227
	6.5.2 Letters of Map Revision Based on Fill	227
	6.5.3 Letters of Map Revision	228
	6.5.4 Physical Map Revisions	229
	6.5.5 Contracted Restudies	229
	6.5.6 Community Map History	230
 <b>SECTION 7.0 – CONTRACTED STUDIES AND COMMUNITY COORDINATION</b>		 <b>238</b>
7.1	Contracted Studies	238
7.2	Community Meetings	244
 <b>SECTION 8.0 – ADDITIONAL INFORMATION</b>		 <b>250</b>
 <b>SECTION 9.0 – BIBLIOGRAPHY AND REFERENCES</b>		 <b>256</b>

Tables

Table 25: Flood Hazard and Non-Encroachment Data for Selected Streams	224
Table 26: Summary of Coastal Transect Mapping Considerations	227
Table 27: Incorporated Letters of Map Change	228
Table 28: Community Map History	231
Table 29: Summary of Contracted Studies Included in this FIS Report	238
Table 30: Community Meetings	245
Table 31: Map Repositories	250
Table 32: Additional Information	255
Table 33: Bibliography and References	257

**Volume 4**  
Exhibits

Flood Profiles	<u>Panel</u>
Beaver Creek	01-07 P
Beaver Run	08-09 P
Bennetts Run	10-12 P
Birch Run No. 1	13 P
Birch Run No. 2	14-15 P
Blackhorse Run	16 P
Boot Road Run	17 P
Brandywine Creek	18-21 P
Buck Run	22-25 P
By-Pass Run	26 P
Chatham Run	27-32 P
Clarks Creek	33 P
Colebrook Run	34-35 P
Copeland Run	36 P
Cossart Run	37 P
Craig Run	38-39 P
Crum Creek	40-54 P
Doe Run	55-60 P
East Branch Brandywine Creek	61-71 P
East Branch Chester Creek	72-75 P
East Branch Goose Creek	76-77 P
East Branch Octoraro Creek	78 P
East Branch Red Clay Creek	79-83 P
East Branch Ridley Creek	84-85 P
East Branch White Clay Creek	86-89 P
East Tributary	90-92 P
East Tributary of Buck Run	93 P

**Volume 5**  
Exhibits

Flood Profiles	<u>Panel</u>
East Tributary to Crum Creek	94-96 P
East Tributary to Darby Creek	97-99 P
French Creek	100-112 P
Goose Creek	113-116 P
Hunters Run	117 P
Indian King Run	118-119 P
Indian Spring Run	120-122 P
King James Run	123 P
Lionville Run	124-125 P
Little Buck Run	126-127 P
Little Valley Creek	128-130 P
Marshall Manor Tributary	131 P
Middle Branch White Clay Creek	132-137 P
Northeast Branch Ridley Creek	138-139 P
Officers Run	140-142 P

Northeast Branch Ridley Creek	138-139 P
Officers Run	140-142 P
Parke Run	143-144 P
Pickering Creek	145-150 P
Pigeon Creek	151-155 P
Pine Creek No. 1	156 P
Pine Creek No. 2	157 P
Plum Run	158 P
Pocopson Creek	159 P
Radley Run	160 P
Red Clay Creek	161 P
Ridley Creek	162-163 P
Ring Run	164 P
Rock Run	165-166 P
Schuylkill River	167-177 P
Shadygrove Way Run	178 P
Shamona Creek	179 P
Shiloh Road Run	180 P
Ship Road Run	181-182 P
Stackhouse Mill Run	183 P
Stony Brook Run	184 P
Stony Run	185 P
Street Road Tributary	186 P
Sucker Run	187-189 P

**Volume 6 – September 29, 2017**

Exhibits

Flood Profiles	<u>Panel</u>
Swedesford Road Run	190 P
Taylor Run	191 P
Tributary 1 to Beaver Creek	192 P
Tributary 1 to Red Clay Creek	193 P
Tributary 2 to East Branch Red Clay Creek	194 P
Tributary 6 to Valley Run	195 P
Tributary A to Crum Creek	196 P
Tributary A to East Tributary to Darby Creek	197 P
Tributary B to East Tributary to Crum Creek	198-201 P
Tributary F to Valley Creek	202 P
Tributary No. 1 of Trout Creek	203 P
Tributary No. 2 of Trout Creek	204 P
Tributary to East Branch Brandywine Creek	205 P
Tributary to Indian Springs Run	206-207 P
Tributary to West Branch Brandywine Creek	208 P
Trout Creek	209-211 P

Trout Run	212 P
Two Log Run	213 P
Valley Creek No. 1	214-218 P
Valley Creek No. 2	219-223 P
Valley Creek No. 3	224 P
Valley Run	225-228 P
Waln Run	229 P
West Branch Brandywine Creek	230-240 P
West Branch Red Clay Creek	241-247 P
West Branch Ridley Creek	248-249 P
West Fork of East Branch Chester Creek	250-251 P
West Town Road Run	252 P
West Tributary to Buck Run	253 P
West Tributary to Crum Creek	254-262 P

**Published Separately**

Flood Insurance Rate Map (FIRM)

**Table 24: Floodway Data – continued**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,580	24	77	7.5	387.3	387.3	387.6	0.3

<sup>1</sup> Stream distance in feet above confluence with East Tributary to Darby Creek

<b>TABLE 24</b>	<b>FEDERAL EMERGENCY MANAGEMENT AGENCY</b>	<b>FLOODWAY DATA</b>
	<b>CHESTER COUNTY, PA</b> (ALL JURISDICTIONS)	

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	380	70	196	3.8	409.1	409.1	409.1	0.0
B	1,320	55	270	2.4	427.1	427.1	428.1	1.0
C	3,040	55	123	5.4	450.4	450.4	450.4	0.0
D	5,197	25	62	5.5	497.0	497.0	497.2	0.2

<sup>1</sup> Stream distance in feet above confluence with East Tributary to Crum Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: TRIBUTARY B TO EAST TRIBUTARY CRUM CREEK**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	400	110	*	*	113.3	113.3	114.2	0.9
B	700	256	*	*	114.2	114.2	115.0	0.8
C	1,340	330	*	*	121.5	121.5	122.5	1.0

<sup>1</sup> Stream distance in feet above confluence with Trout Creek

\* Data not computed

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: TRIBUTARY NO. 1 TO TROUT CREEK**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	300	30	*	*	165.5	165.5	166.3	0.8
B	800	24	*	*	173.0	173.0	173.0	0.0

<sup>1</sup> Stream distance in feet above confluence with Trout Creek

\* Data not computed

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: TRIBUTARY NO. 2 TO TROUT CREEK**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	543	64	263	8.6	504.8	504.8	505.6	0.8
B	800	41	222	10.1	512.9	512.9	513.2	0.3
C	1,235	216	717	3.1	521.4	521.4	522.0	0.6
D	1,683	85	325	6.3	527.8	527.8	528.8	1.0
E	1,927	65	283	7.3	531.5	531.5	532.3	0.8
F	2,330	133	407	5.1	538.1	538.1	538.2	0.1
G	2,681	77	359	5.8	542.6	542.6	543.0	0.4

<sup>1</sup> Stream distance in feet above confluence with East Branch Brandywine Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: TRIBUTARY TO EAST BRANCH BRANDYWINE CREEK**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2	36	127	6.9	483.7	476.6 <sup>2</sup>	477.6	1.0
B	1,380	28	94	9.3	506.8	497.1 <sup>2</sup>	497.1	0.0
C	3,720	100	203	4.3	529.8	526.8 <sup>2</sup>	527.7	0.9

<sup>1</sup> Stream distance in feet above county boundary

<sup>2</sup> Elevation computed without consideration of backwater effects from Indian Spring Run

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: TRIBUTARY TO INDIAN SPRING RUN**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	62	94	301	4.0	589.6	589.6	590.6	1.0
B	572	89	214	5.6	594.8	594.8	594.9	0.1
C	1,341	141	531	2.3	602.8	602.8	603.6	0.8
D	1,612	114	239	4.6	605.0	605.0	605.0	0.0
E	2,150	137	388	2.9	610.2	610.2	610.3	0.1
F	2,778	100	217	5.1	618.6	618.6	618.6	0.0
G	3,414	62	197	5.7	627.8	627.8	627.8	0.0
H	3,589	102	277	4.0	631.2	631.2	631.4	0.2
I	3,771	115	337	3.3	634.9	634.9	635.8	0.9
J	4,092	73	211	4.4	639.3	639.3	639.8	0.5

<sup>1</sup> Stream distance in feet above limit of detailed study, limit of detailed study is approximately 2575 feet downstream of Stillwagon Lane

TABLE 24	<b>FEDERAL EMERGENCY MANAGEMENT AGENCY</b> <b>CHESTER COUNTY, PA</b> (ALL JURISDICTIONS)	<b>FLOODWAY DATA</b> <b>FLOODING SOURCE: TRIBUTARY TO WEST BRANCH</b> <b>BRANDYWINE CREEK</b>
----------	--	---

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	560	298	*	*	108.2	108.2	109.1	0.9
B	1,100	155	*	*	108.3	108.3	109.1	0.8
C	2,100	133	*	*	111.5	111.5	112.2	0.7
D	3,350	263	*	*	115.0	115.0	115.7	0.7
E	5,500	116	*	*	128.3	128.3	128.8	0.5
F	6,200	90	*	*	132.7	132.7	133.5	0.8
G	7,100	62	*	*	139.6	139.6	140.4	0.8
H	8,240	146	*	*	148.1	148.1	149.1	1.0
I	9,115	64	*	*	153.9	153.9	153.9	0.0
J	9,920	62	*	*	164.0	164.0	165.0	1.0
K	11,003	39	*	*	179.7	179.7	180.5	0.8
L	12,460	49	*	*	188.3	188.3	189.2	0.9
M	14,545	68	*	*	212.7	212.7	213.6	0.9

<sup>1</sup> Feet above county boundary

\* Data not computed

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: TROUT CREEK**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	3,438	252	990	1.7	605.8	605.8	606.3	0.5

<sup>1</sup> Stream distance in feet above confluence with West Branch Brandywine Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: TWO LOG RUN**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,075	47 <sup>2</sup>	*	*	100.1	100.1	101.1	1.0
B	3,990	493	*	*	108.9	108.9	109.9	1.0
C	6,000	97	*	*	114.5	114.5	115.5	1.0
D	8,450	205	*	*	125.1	125.1	126.1	1.0
E	11,350	99	*	*	128.5	128.5	129.4	0.9
F	12,425	199	*	*	132.3	132.3	133.1	0.8
G	13,900	202	*	*	141.3	141.3	142.2	0.9
H	15,425	99	*	*	146.3	146.3	147.0	0.7
I	17,400	108	*	*	152.2	152.2	153.2	1.0
J	20,000	168	703	6.1	162.1	162.1	162.8	0.7
K	21,300	276	1,900	2.3	167.0	167.0	167.9	0.9
L	22,550	221	1,213	3.5	168.4	168.4	169.4	1.0
M	23,850	176	846	5.1	173.1	173.1	174.1	1.0
N	25,550	275	5,217	0.8	192.7	192.7	192.7	0.0
O	26,150	445	*	*	192.8	192.8	193.8	1.0
P	27,950	110	*	*	192.8	192.8	193.6	0.8

<sup>1</sup> Stream distance in feet above Township of Tredyffrin Corporate Limits

<sup>2</sup> This width extends beyond county boundary

\* Data not computed

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: VALLEY CREEK NO. 1**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	21	104	924	4.2	271.4	271.4	272.0	0.6
B	1,760	340	2,109	1.6	272.6	272.6	273.5	0.9
C	5,213	160	753	4.2	277.3	277.3	278	0.7
D	7,485	255	1,183	2.5	283.1	283.1	283.5	0.4
E	9,277	301	1,347	2.1	287.6	287.6	288.2	0.6
F	12,108	160	677	3.0	295.2	295.2	296.0	0.8
G	14,339	85	489	3.9	304.0	304.0	304.9	0.9
H	15,576	120	845	2.3	310.4	310.4	310.4	0.0
I	18,390	125	430	2.9	315.2	315.2	315.9	0.7
J	19,946	180	834	1.3	320.4	320.4	321.3	0.9
K	20,660	90	260	2.4	325.1	325.1	325.5	0.4
L	22,317	115	856	0.7	340.1	340.1	340.1	0.0
M	23,998	95	238	2.6	344.2	344.2	344.9	0.7
N	24,946	116	324	1.8	351.3	351.3	351.5	0.2
O	25,882	80	140	4.2	359.0	359.0	359.7	0.7
P	26,858	70	165	3.6	369.3	369.3	370.0	0.7

<sup>1</sup> Stream distance in feet above limit of detailed study, limit of detailed study is approximately 765 feet downstream of confluence with Colebrook Run

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: VALLEY CREEK NO. 2**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,245	287	874	2.1	443.7	443.7	444.3	0.6
B	4,855	236	845	2.2	452.7	452.7	453.1	0.4
C	6,495	136	188	4.7	460.0	455.7 <sup>2</sup>	455.8	0.1

<sup>1</sup> Stream distance in feet above the confluence with East Branch Octoraro Creek

<sup>2</sup> Elevation computed without consideration of backwater effects from Officers Run

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: VALLEY CREEK NO. 3**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,365	240	743	4.9	264.5	264.5	265.3	0.8
B	4,005	250	910	4.0	275.6	275.6	276.3	0.7
C	5,427	239	751	4.9	283.7	283.7	284.0	0.3
D	6,646	218	818	4.3	293.2	293.2	293.3	0.1
E	7,854	190	973	3.6	295.3	295.3	295.8	0.5
F	8,677	148	349	8.5	297.9	297.9	297.9	0.0
G	9,679	247	909	3.3	304.7	304.7	304.7	0.0
H	11,181	215	1,147	1.9	312.4	312.4	312.9	0.5
I	12,318	194	625	4.3	316.1	316.1	316.3	0.2
J	13,318	255	506	4.6	319.8	319.8	320.2	0.4
K	14,449	139	332	7.1	327.0	327.0	327.4	0.4
L	15,406	210	514	4.6	333.6	333.6	334.1	0.5

<sup>1</sup> Stream distance in feet above confluence with Beaver Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: VALLEY RUN**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,170	158	720	1.8	256.3	256.3	257.3	1.0
B	2,570	272	560	2.3	263.8	263.8	264.8	1.0
C	3,870	90	160	3.4	274.8	274.8	275.8	1.0

<sup>1</sup> Stream distance in feet above confluence with West Fork of Each Branch Chester Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CHESTER COUNTY, PA

(ALL JURISDICTIONS)

FLOODWAY DATA

FLOODING SOURCE: WALN RUN

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	777	614	5,055	4.3	186.2	186.2	186.7	0.5
B	4,617	390	5,543	4.0	194.7	194.7	195.6	0.9
C	16,154	546	4,975	4.2	200.8	200.8	201.4	0.6
D	23,965	688	6,022	3.5	209.0	209.0	209.6	0.6
E	29,094	396	5,109	4.0	216.5	216.5	217.4	0.9
F	35,435	985	9,092	2.2	219.5	219.5	220.3	0.8
G	39,724	241	3,424	5.9	227.4	227.4	227.4	0.0
H	47,408	424	5,117	3.9	233.8	233.8	234.4	0.6
I	53,489	513	5,113	3.8	240.5	240.5	241.1	0.6
J	58,972	458	4,890	2.6	249.6	249.6	250.3	0.7
K	63,134	218	2,000	6.3	257.8	257.8	258.8	1.0
L	67,676	309	2,628	4.5	265.6	265.6	266.2	0.6
M	70,696	404	2,756	4.3	270.1	270.1	270.3	0.2
N	73,818	323	1,999	5.6	277.2	277.2	277.9	0.7
O	76,218	122	1,276	8.7	282.9	282.9	283.4	0.5
P	77,437	64	800	13.9	289.6	289.6	289.8	0.2
Q	79,007	142	1,521	7.3	294.7	294.7	294.9	0.2
R	80,888	83	1,111	9.9	298.9	298.9	299.7	0.8
S	82,457	274	2,585	4.3	306.9	306.9	306.9	0.0
T	85,848	467	1,819	5.7	310.1	310.1	310.9	0.8
U	88,031	154	1,295	7.8	320.4	320.4	320.6	0.2
V	88,918	160	2,798	3.6	330.2	330.2	330.7	0.5
W	91,653	188	1,816	4.6	337.2	337.2	337.6	0.4
X	93,771	71	759	11	342.3	342.3	342.6	0.3
Y	95,144	107	1,083	7.7	351.4	351.4	351.9	0.5
Z	96,905	347	2,260	3.5	358.9	358.9	358.9	0.0

<sup>1</sup> Stream distance in feet above confluence with Brandywine Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CHESTER COUNTY, PA

(ALL JURISDICTIONS)

FLOODWAY DATA

FLOODING SOURCE: WEST BRANCH BRANDYWINE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AA	98,887	222	1,205	6.2	362.9	362.9	363.5	0.6
AB	100,953	186	1,256	5.8	375.1	375.1	375.5	0.4
AC	102,072	226	1,170	6.2	382.7	382.7	383.4	0.7
AD	102,771	223	1,377	5.3	389.2	389.2	389.9	0.7
AE	103,619	200	1,081	6.7	397.1	397.1	398.1	1.0
AF	104,207	183	1,007	7.2	403.9	403.9	404.0	0.1
AG	104,928	140	814	8.9	414.9	414.9	415.4	0.5
AH	105,541	141	850	8.5	423.7	423.7	423.7	0.0
AI	106,039	156	1,219	6.0	430.1	430.1	430.5	0.4
AJ	106,622	302	1,803	4.0	436.2	436.2	437.1	0.9
AK	107,261	226	1,729	4.1	445.9	445.9	445.9	0.0
AL	142,482	374	3107	2.0	599.0	599.0	599.9	0.9
AM	146,294	296	2711	2.2	603.3	603.3	603.9	0.6
AN	150,705	843	5879	1.0	605.3	605.3	606.2	0.9
AO	153,209	378	1275	2.7	606.5	606.5	607.3	0.8

<sup>1</sup> Stream distance in feet in above confluence with Brandywine Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CHESTER COUNTY, PA

(ALL JURISDICTIONS)

FLOODWAY DATA

FLOODING SOURCE: WEST BRANCH BRANDYWINE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	424	185	1,312	4.5	208.7	208.7	209.4	0.7
B	2,899	158	820	7.2	215.8	215.8	216.6	0.8
C	4,652	205	1,122	5.3	222.5	222.5	223.2	0.7
D	6,718	187	1,313	4.4	230.0	230.0	230.7	0.7
E	9,915	310	1,861	2.7	236.2	236.2	237.0	0.8
F	12,152	166	1,069	4.7	242.7	242.7	243.4	0.7
G	14,417	159	1,137	4.4	249.3	249.3	249.9	0.6
H	16,455	246	1,791	2.8	255.1	255.1	256.1	1.0
I	20,281	290	1,248	3.2	262.1	262.1	262.9	0.8
J	21,714	101	737	5.5	268.1	268.1	268.4	0.3
K	23,318	215	1,090	3.7	273.3	273.3	274.1	0.8
L	24,967	195	1,366	2.9	281.5	281.5	281.5	0.0
M	28,217	238	976	4.0	288.8	288.8	289.7	0.9
N	29,893	95	671	5.6	297.6	297.6	297.9	0.3
O	32,111	160	943	3.8	306.2	306.2	306.7	0.5
P	34,158	186	879	3.4	312.6	312.6	313.5	0.9
Q	35,952	244	806	3.3	316.3	316.3	317.2	0.9
R	37,212	329	1,201	2.2	321.4	321.4	321.9	0.5
S	39,051	282	921	2.7	325.2	325.2	326.2	1.0
T	40,233	297	1,713	1.5	332.2	332.2	333.1	0.9

<sup>1</sup> Stream distance in feet above confluence with Red Clay Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: WEST BRANCH RED CLAY CREEK**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	7,498	150	460	5.1	405.4	405.4	406.3	0.9
B	8,923	154	645	2.7	411.1	411.1	412.1	1.0
C	14,045	56	194	9.0	451.3	451.3	452.3	1.0

<sup>1</sup> Stream distance in feet above confluence with Ridley Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

**CHESTER COUNTY, PA**

(ALL JURISDICTIONS)

**FLOODWAY DATA**

**FLOODING SOURCE: WEST BRANCH RIDLEY CREEK**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,050	314	1,737	3.3	254.0	254.0	255.0	1.0
B	1,900	223	1,392	3.0	255.0	255.0	256.0	1.0
C	3,600	191	1,060	3.6	257.1	257.1	258.1	1.0
D	5,650	237	1,862	1.7	264.3	264.3	265.3	1.0
E	12,039	95	301	2.1	287.1	287.1	288.1	1.0
F	14,468	15	64	9.7	301.3	301.3	302.3	1.0

<sup>1</sup> Stream distance in feet above confluence with East Branch Chester Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CHESTER COUNTY, PA

(ALL JURISDICTIONS)

FLOODWAY DATA

FLOODING SOURCE: WEST FORK OF EAST BRANCH CHESTER CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	80	65	276	7.6	305.6	305.5 <sup>2</sup>	306.1	0.6
B	3,540	140	577	3.5	351.3	351.3	351.9	0.6
C	4,960	235	562	3.4	357.2	357.2	357.4	0.2
D	6,700	145	308	6.0	362.5	362.5	362.8	0.3
E	9,560	118	425	4.4	381.6	381.6	381.8	0.2
F	10,960	85	373	5.0	390.6	390.6	391.1	0.5
G	13,060	220	405	4.6	406.9	406.9	407.0	0.1
H	14,060	140	327	5.7	415.1	415.1	415.1	0.0
I	14,750	140	642	2.9	419.8	419.8	420.1	0.3
J	17,360	240	1,391	1.3	441.4	441.4	441.4	0.0
K	19,260	70	321	5.8	461.2	461.2	461.6	0.4
L	20,150	240	722	2.6	466.7	466.7	467.3	0.6
M	21,590	135	554	3.3	479.1	479.1	479.6	0.5

<sup>1</sup> Stream distance in feet above confluence with Crum Creek

<sup>2</sup> Elevation computed without backwater effects from Crum Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

CHESTER COUNTY, PA

(ALL JURISDICTIONS)

FLOODWAY DATA

FLOODING SOURCE: WEST TRIBUTARY TO CRUM CREEK

Non-encroachment areas may be delineated where it is not possible to delineate floodways because specific channel profiles with bridge and culvert geometry were not developed. Any non-encroachment determinations for this Flood Risk Project have been tabulated for selected cross sections and are shown in Table 25. The non-encroachment width indicates the measured distance left and right (looking downstream) from the mapped center of the stream to the non-encroachment boundary based on a surcharge of 1.0 foot or less.

**Table 25: Flood Hazard and Non-Encroachment Data for Selected Streams**

Flooding Source	Cross Section	Stream Station	1% Annual Chance Flood Discharge (cfs)	1% Annual Chance Water Surface Elevation (feet NAVD88)	Non-Encroachment Width (feet)	
					Left	Right
Black Horse Run	A	3 <sup>1</sup>	486	345.5	*	*
Black Horse Run	B	1,195 <sup>1</sup>	486	357.5	*	*
Black Horse Run	C	1,525 <sup>1</sup>	486	362.9	*	*
Buck Run (downstream)	A	19 <sup>2</sup>	7,595	282.6	*	*
Buck Run (downstream)	B	648 <sup>2</sup>	7,595	285.6	*	*
Buck Run (downstream)	C	1,680 <sup>2</sup>	7,595	287.8	*	*
East Tributary to Buck Run	A	141 <sup>3</sup>	1,146	515.8	*	*
East Tributary to Buck Run	B	389 <sup>3</sup>	1,146	526.7	*	*
East Tributary to Buck Run	C	559 <sup>3</sup>	1,146	540.5	*	*
East Tributary to Buck Run	D	717 <sup>3</sup>	1,146	550.3	*	*
East Tributary to Buck Run	E	1,160 <sup>3</sup>	1,146	563.5	*	*
East Tributary to Buck Run	F	1,667 <sup>3</sup>	1,146	574.8	*	*
East Tributary to Buck Run	G	2,321 <sup>3</sup>	1,146	581.3	*	*

<sup>1</sup> Stream distance in feet above Limit of Detailed Study (Limit of Detailed Study is approximately 1580 feet downstream of State Route 842)

<sup>2</sup> Stream distance in feet above Limit of Detailed Study (Limit of Detailed Study is approximately 350 feet downstream of Doe Run Church Road)

<sup>3</sup> Stream distance in feet above confluence with Buck Run

\* Not Calculated for this Flood Risk Project

**Table 25: Flood Hazard and Non-Encroachment Data for Selected Streams – continued**

Flooding Source	Cross Section	Stream Station	1% Annual Chance Flood Discharge (cfs)	1% Annual Chance Water Surface Elevation (feet NAVD88)	Non-Encroachment Width (feet)	
					Left	Right
East Tributary to Buck Run	H	2,758 <sup>3</sup>	1,146	590.6	*	*
Marshall Manor Tributary	A	22 <sup>1</sup>	439	352.9	*	*
Marshall Manor Tributary	B	208 <sup>1</sup>	439	360.2	*	*
Marshall Manor Tributary	C	322 <sup>1</sup>	439	360.2	*	*
Marshall Manor Tributary	D	457 <sup>1</sup>	439	360.8	*	*
Marshall Manor Tributary	E	595 <sup>1</sup>	439	364.4	*	*
Marshall Manor Tributary	F	1,731 <sup>1</sup>	439	399.3	*	*
Marshall Manor Tributary	G	1,904 <sup>1</sup>	439	405.6	*	*
Marshall Manor Tributary	H	2,095 <sup>1</sup>	439	409.4	*	*
Radley Run	A	7 <sup>2</sup>	538	340.6	*	*
Radley Run	B	341 <sup>2</sup>	538	347.3	*	*
Radley Run	C	1,212 <sup>2</sup>	334	358.8	*	*
Radley Run	D	1,767 <sup>2</sup>	334	367.8	*	*
Radley Run	E	2,888 <sup>2</sup>	149	383.6	*	*
Radley Run	F	3,764 <sup>2</sup>	103	400.2	*	*
Radley Run	G	3,995 <sup>2</sup>	103	407.2	*	*
Stony Run	A	1,300 <sup>3</sup>	2,100	225.4	*	*
Stony Run	B	2,340 <sup>3</sup>	1,600	228.4	*	*
Stony Run	C	2,475 <sup>3</sup>	1,600	228.7	*	*
Stony Run	D	2,680 <sup>3</sup>	1,600	230.6	*	*
Stony Run	E	3,305 <sup>3</sup>	1,600	231.4	*	*
Stony Run	F	3,625 <sup>3</sup>	1,600	235	*	*
Stony Run	G	4,685 <sup>3</sup>	1,600	236.8	*	*

<sup>1</sup> Stream distance in feet above Goshen Road

<sup>2</sup> Stream distance in feet above Limit of Detailed Study (Limit of Detailed Study is approximately 2500 feet downstream of Sumner Way)

<sup>3</sup> Stream distance in feet above Buckwalter Road

\* Not Calculated for this Flood Risk Project

**Table 25: Flood Hazard and Non-Encroachment Data for Selected Streams – continued**

Flooding Source	Cross Section	Stream Station	1% Annual Chance Flood Discharge (cfs)	1% Annual Chance Water Surface Elevation (feet NAVD88)	Non-Encroachment Width (feet)	
					Left	Right
Stony Run	H	5,480 <sup>3</sup>	1,600	240.2	*	*
Stony Run	I	6,500 <sup>3</sup>	1,600	243.7	*	*
Stony Run	J	7,288 <sup>1</sup>	1,600	247.1	n/a	n/a
Tributary F To Valley Creek	A	489 <sup>2</sup>	218	300.7	*	*
Tributary F To Valley Creek	B	969 <sup>2</sup>	218	306.9	*	*
Tributary F To Valley Creek	C	1,315 <sup>2</sup>	218	314.4	*	*
Valley Creek No.3	A	2,245 <sup>3</sup>	1,850	443.7	*	*
Valley Creek No.3	B	4,855 <sup>3</sup>	1,850	452.7	*	*
Valley Creek No.3	C	6,495 <sup>3</sup>	880	460	*	*
West Tributary to Buck Run	A	25 <sup>4</sup>	884	529.3	*	*
West Tributary to Buck Run	B	267 <sup>4</sup>	884	537	*	*
West Tributary to Buck Run	C	500 <sup>4</sup>	884	544.8	*	*
West Tributary to Buck Run	D	1,168 <sup>4</sup>	884	555.8	*	*
West Tributary to Buck Run	E	1,571 <sup>4</sup>	884	563.4	*	*
West Tributary to Buck Run	F	1,877 <sup>4</sup>	884	570.6	*	*
West Tributary to Buck Run	G	2,103 <sup>4</sup>	884	579.9	*	*
West Tributary to Buck Run	H	2,367 <sup>4</sup>	884	587.4	*	*
West Tributary to Buck Run	I	2,781 <sup>4</sup>	884	597.9	*	*

<sup>1</sup> Stream distance in feet above Buckwalter Road

<sup>2</sup> Stream distance in feet downstream of Atherton Drive

<sup>3</sup> Stream distance in feet above confluence with East Branch Octoraro Creek

<sup>4</sup> Stream distance in feet above confluence with Buck Run

\* Not Calculated for this Flood Risk Project

\*\* Note that Birch Run No.2, By-Pass Run and West Town Road were not included because no information regarding XS was available.

## 6.4 Coastal Flood Hazard Mapping

This section is not applicable to this Flood Risk Project.

### Table 26: Summary of Coastal Transect Mapping Considerations

[Not Applicable to this Flood Risk Project]

## 6.5 FIRM Revisions

This FIS Report and the FIRM are based on the most up-to-date information available to FEMA at the time of its publication; however, flood hazard conditions change over time. Communities or private parties may request flood map revisions at any time. Certain types of requests require submission of supporting data. FEMA may also initiate a revision. Revisions may take several forms, including Letters of Map Amendment (LOMAs), Letters of Map Revision Based on Fill (LOMR-Fs), Letters of Map Revision (LOMRs) (referred to collectively as Letters of Map Change (LOMCs)), Physical Map Revisions (PMRs), and FEMA-contracted restudies. These types of revisions are further described below. Some of these types of revisions do not result in the republishing of the FIS Report. To assure that any user is aware of all revisions, it is advisable to contact the community repository of flood-hazard data (shown in Table 31, “Map Repositories”).

### 6.5.1 Letters of Map Amendment

A LOMA is an official revision by letter to an effective NFIP map. A LOMA results from an administrative process that involves the review of scientific or technical data submitted by the owner or lessee of property who believes the property has incorrectly been included in a designated SFHA. A LOMA amends the currently effective FEMA map and establishes that a specific property is not located in a SFHA.

To obtain an application for a LOMA, visit <http://www.fema.gov/floodplain-management/letter-map-amendment-loba> and download the form “MT-1 Application Forms and Instructions for Conditional and Final Letters of Map Amendment and Letters of Map Revision Based on Fill”. Visit the “Flood Map-Related Fees” section to determine the cost, if any, of applying for a LOMA.

FEMA offers a tutorial on how to apply for a LOMA. The LOMA Tutorial Series can be accessed at <http://www.fema.gov/online-tutorials>.

For more information about how to apply for a LOMA, call the FEMA Map Information eXchange; toll free, at 1-877-FEMA MAP (1-877-336-2627).

### 6.5.2 Letters of Map Revision Based on Fill

A LOMR-F is an official revision by letter to an effective NFIP map. A LOMR-F states FEMA’s determination concerning whether a structure or parcel has been elevated on fill above the base flood elevation and is, therefore, excluded from the SFHA.

Information about obtaining an application for a LOMR-F can be obtained in the same manner as that for a LOMA, by visiting [http://www.fema.gov/floodplain-management/letter-map-](http://www.fema.gov/floodplain-management/letter-map-227)

[amendment-loma](#) for the “MT-1 Application Forms and Instructions for Conditional and Final Letters of Map Amendment and Letters of Map Revision Based on Fill” or by calling the FEMA Map Information eXchange, toll free, at 1-877-FEMA MAP (1-877-336-2627). Fees for applying for a LOMR-F, if any, are listed in the “Flood Map-Related Fees” section.

A tutorial for LOMR-F is available at <http://www.fema.gov/online-tutorials>.

### 6.5.3 Letters of Map Revision

A LOMR is an official revision to the currently effective FEMA map. It is used to change flood zones, floodplain and floodway delineations, flood elevations and planimetric features. All requests for LOMRs should be made to FEMA through the chief executive officer of the community, since it is the community that must adopt any changes and revisions to the map. If the request for a LOMR is not submitted through the chief executive officer of the community, evidence must be submitted that the community has been notified of the request.

To obtain an application for a LOMR, visit [www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/mt-2-application-forms-and-instructions](http://www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/mt-2-application-forms-and-instructions) and download the form “MT-2 Application Forms and Instructions for Conditional Letters of Map Revision and Letters of Map Revision”. Visit the “Flood Map-Related Fees” section to determine the cost of applying for a LOMR. For more information about how to apply for a LOMR, call the FEMA Map Information eXchange; toll free, at 1-877-FEMA MAP (1-877-336-2627) to speak to a Map Specialist.

Previously issued mappable LOMCs (including LOMRs) that have been incorporated into the Chester County FIRM are listed in Table 27. Please note that this table only includes LOMCs that have been issued on the FIRM panels updated by this map revision. For all other areas within this county, users should be aware that revisions to the FIS Report made by prior LOMRs may not be reflected herein and users will need to continue to use the previously issued LOMRs to obtain the most current data.

**Table 27: Incorporated Letters of Map Change**

Case Number	Effective Date	Flooding Source	FIRM Panel(s)
07-03-0972P	07/27/2007	Black Run, Octoraro Creek, Tributaries 2, 3, 4, and 5 of Black Run	42029C0310G, 42029C0315G, 42029C0355G, 42029C0360G
07-03-1259P	02/21/2008	By-Pass Run	42029C0210G
09-03-1120P	12/24/2009	Goose Creek	42029C0210G
10-03-0462P	02/21/2011	Schuylkill River	42029C0060G
10-03-1283P	02/25/2011	East Branch Goose Creek	42029C0210G
11-03-0270P	01/03/2012	Tributary 6 of Valley Run, Valley Run	42029C0145G, 42029C0195G, 42029C0200G

**Table 27: Incorporated Letters of Map Change - continued**

Case Number	Effective Date	Flooding Source	FIRM Panel(s)
12-03-0577P	03/13/2012	Tributary 2 to East Branch Ridley Creek, Tributary 3 to East Branch Ridley Creek	42029C0215G
12-03-0618P	10/12/2012	Plum Run	42029C0210G
12-03-1877P	04/04/2013	East Branch Chester Creek	42029C0155G
12-03-2075P	09/19/2013	Tributary 2 to Valley Creek No. 1	42029C0105G
13-03-0592P	11/29/2013	Tributary 2	42029C0210G
14-03-1638P	02/06/2015	Tributary 1 to Beaver Creek	42029C0145G
15-03-2049P	02/16/2016	Tributary 1 of Beaver Creek	42029C0145G
15-03-1479P	04/26/2016	Copeland Run	42029C0145G, 42029C0200G
16-03-0517P	12/28/2016	Little Valley Creek	42029C0160G
16-03-2075P	09/30/2016	West Town Road Run and Tributary 3 to West Town Road Run	42029C0201G

#### 6.5.4 Physical Map Revisions

A PMR is an official republication of a community’s NFIP map to effect changes to base flood elevations, floodplain boundary delineations, regulatory floodways and planimetric features. These changes typically occur as a result of structural works or improvements, annexations resulting in additional flood hazard areas or correction to base flood elevations or SFHAs.

The community’s chief executive officer must submit scientific and technical data to FEMA to support the request for a PMR. The data will be analyzed and the map will be revised if warranted. The community is provided with copies of the revised information and is afforded a review period. When the base flood elevations are changed, a 90-day appeal period is provided. A 6-month adoption period for formal approval of the revised map(s) is also provided.

For more information about the PMR process, please visit <http://www.fema.gov> and visit the “Flood Map Revision Processes” section.

#### 6.5.5 Contracted Restudies

The NFIP provides for a periodic review and restudy of flood hazards within a given community. FEMA accomplishes this through a national watershed-based mapping needs assessment strategy, known as the Coordinated Needs Management Strategy (CNMS). The CNMS is used by FEMA to assign priorities and allocate funding for new flood hazard analyses used to update the FIS Report and FIRM. The goal of CNMS is to define the validity of the engineering study data

within a mapped inventory. The CNMS is used to track the assessment process, document engineering gaps and their resolution, and aid in prioritization for using flood risk as a key factor for areas identified for flood map updates. Visit [www.fema.gov](http://www.fema.gov) to learn more about the CNMS or contact the FEMA Regional Office listed in Section 8 of this FIS Report.

### 6.5.6 Community Map History

The current FIRM presents flooding information for the entire geographic area of Chester County. Previously, separate FIRMs, Flood Hazard Boundary Maps (FHBM) and/or Flood Boundary and Floodway Maps (FBFM) may have been prepared for the incorporated communities and the unincorporated areas in the county that had identified SFHAs. Current and historical data relating to the maps prepared for the project area are presented in Table 31, “Community Map History.” A description of each of the column headings and the source of the date is also listed below.

- *Community Name* includes communities falling within the geographic area shown on the FIRM, including those that fall on the boundary line, nonparticipating communities, and communities with maps that have been rescinded. Communities with No Special Flood Hazards are indicated by a footnote. If all maps (FHBM, FBFM, and FIRM) were rescinded for a community, it is not listed in this table unless SFHAs have been identified in this community.
- *Initial Identification Date (First NFIP Map Published)* is the date of the first NFIP map that identified flood hazards in the community. If the FHBM has been converted to a FIRM, the initial FHBM date is shown. If the community has never been mapped, the upcoming effective date or “pending” (for Preliminary FIS Reports) is shown. If the community is listed in Table 28 but not identified on the map, the community is treated as if it were unmapped.
- *Initial FHBM Effective Date* is the effective date of the first Flood Hazard Boundary Map (FHBM). This date may be the same date as the Initial NFIP Map Date.
- *FHBM Revision Date(s)* is the date(s) that the FHBM was revised, if applicable.
- *Initial FIRM Effective Date* is the date of the first effective FIRM for the community. This is the first effective date that is shown on the FIRM panel.
- *FIRM Revision Date(s)* is the date(s) the FIRM was revised, if applicable. This is the revised date that is shown on the FIRM panel, if applicable. As countywide studies are completed or revised, each community listed should have its FIRM dates updated accordingly to reflect the date of the countywide study. Once the FIRMs exist in countywide format, as Physical Map Revisions (PMR) of FIRM panels within the county are completed, the FIRM Revision Dates in the table for each community affected by the PMR are updated with the date of the PMR, even if the PMR did not revise all the panels within that community.

The initial effective date for the Chester County FIRM in countywide format was 11/20/1996.

**Table 28: Community Map History**

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Atglen, Borough of	08/09/1974	08/09/1974	04/16/1976	12/04/1984	11/20/1996 09/29/2006 09/29/2017
Avondale, Borough of	11/15/1974	11/15/1974	N/A	11/04/1987	11/20/1996 03/17/2002 09/29/2006 09/29/2017
Birmingham, Township of	11/22/1974	11/22/1974	N/A	04/15/1981	11/20/1996 08/16/1988 03/17/2002 09/29/2006 09/29/2017
Caln, Township of	08/30/1974	08/30/1974	04/02/1976	09/30/1981	11/20/1996 05/17/1988 03/17/2002 09/29/2006 09/29/2017
Charlestown, Township of	10/18/1974	10/18/1974	05/14/1976	12/04/1984	11/20/1996 09/29/2006 09/29/2017
Coatesville, City of	05/31/1974	05/31/1974	04/30/1976	05/17/1982	11/20/1996 03/17/2002 09/29/2006 09/29/2017
Downingtown, Borough of	02/09/1973	02/09/1973	N/A	04/15/1977	11/20/1996 03/17/2002 09/29/2006 09/29/2017
East Bradford, Township of	08/16/1974	08/16/1974	10/24/1975	04/15/1977	11/20/1996 03/17/2002 09/29/2006 09/29/2017
East Brandywine, Township of	10/18/1974	10/18/1974	04/30/1976	02/01/1984	11/20/1996 03/17/2002 09/29/2006 09/29/2017

**Table 28: Community Map History - continued**

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
East Caln, Township of	10/18/1974	10/18/1974	05/28/1976	09/30/1980	11/20/1996 03/17/2002 09/29/2006 09/29/2017
East Coventry, Township of	10/18/1974	10/18/1974	03/19/1976	02/17/1982	11/20/1996 09/29/2006 09/29/2017
East Fallowfield, Township of	01/14/1977	01/14/1977	N/A	06/01/1983	09/05/1984 11/20/1996 03/17/2002 09/29/2006 09/29/2017
East Goshen, Township of	07/26/1974	07/26/1974	05/14/1976	07/05/1977	11/20/1996 09/29/2006 09/29/2017
East Marlborough, Township of	01/24/1975	01/24/1975	N/A	07/16/1981	11/20/1996 03/17/2002 09/29/2006 09/29/2017
East Nantmeal, Township of	12/20/1974	12/20/1974	05/07/1976	02/01/1984	11/20/1996 03/17/2002 09/29/2006 09/29/2017
East Nottingham, Township of	09/13/1974	09/13/1974	11/28/1975	09/04/1985	11/20/1996 09/29/2006 09/29/2017
East Pikeland, Township of	09/06/1974	09/06/1974	05/21/1976	03/16/1981	11/20/1996 09/29/2006 09/29/2017
East Vincent, Township of	12/28/1973	12/28/1973	N/A	12/01/1977	01/16/1981 11/20/1996 09/29/2006 09/29/2017
East Whiteland, Township of	04/08/1983	04/08/1983	N/A	06/01/1989	11/20/1996 09/29/2006 09/29/2017

**Table 28: Community Map History - continued**

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Easttown, Township of	01/03/1975	01/03/1975	N/A	03/16/1981	11/20/1996 09/29/2006 09/29/2017
Elk, Township of	11/15/1974	11/15/1974	N/A	07/30/1982	11/20/1996 09/29/2006 09/29/2017
Elverson, Borough of	01/03/1975	01/03/1975	N/A	02/25/1983	11/20/1996 09/29/2006 09/29/2017
Franklin, Township of	11/29/1974	11/29/1974	N/A	03/01/1986	11/20/1996 09/29/2006 09/29/2017
Highland, Township of	11/29/1974	11/29/1974	N/A	04/08/1983	11/20/1996 09/29/2006 09/29/2017
Honey Brook, Borough of <sup>1,2</sup>	11/20/1996	N/A	N/A	11/20/1996	09/29/2006 09/29/2017
Honey Brook, Township of	12/06/1974	12/06/1974	N/A	08/01/1984	11/20/1996 03/17/2002 09/29/2006 09/29/2017
Kennett, Township of	12/06/1974	12/06/1974	N/A	06/01/1984	11/20/1996 09/29/2006 09/29/2017
Kennett Square, Borough of	12/28/1973	12/28/1973	05/21/1976 11/12/1976	07/16/1981	11/20/1996 09/29/2006 09/29/2017
London Britain, Township of	11/22/1974	11/22/1974	N/A	12/31/1982	11/20/1996 09/29/2006 09/29/2017
London Grove, Township of	11/22/1974	11/22/1974	N/A	02/11/1983	11/20/1996 03/17/2002 09/29/2006 09/29/2017

<sup>1</sup> No Special Flood Hazard Areas identified

<sup>2</sup> This community did not have mapping prior to the first countywide FIRM for Chester County

**Table 28: Community Map History - continued**

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Londonderry, Township of	10/18/1974	10/18/1974	06/04/1976	09/24/1984	04/05/1988 11/20/1996 09/29/2006 09/29/2017
Lower Oxford, Township of	10/18/1974	10/18/1974	08/06/1976	10/15/1985	11/20/1996 09/29/2006 09/29/2017
Malvern, Borough of	12/03/1976	12/03/1976	N/A	01/16/1981	11/20/1996 09/29/2006 09/29/2017
Modena, Borough of	06/28/1974	06/28/1974	06/11/1976	11/19/1987	11/20/1996 03/17/2002 09/29/2006 09/29/2017
New Garden, Township of	12/06/1974	12/06/1974	N/A	10/15/1982	11/20/1996 03/17/2002 09/29/2006 09/29/2017
New London, Township of	11/29/1974	11/29/1974	N/A	11/12/1982	11/20/1996 09/29/2006 09/29/2017
Newlin, Township of	11/01/1974	11/01/1974	08/06/1976	08/01/1984	11/20/1996 03/17/2002 09/29/2006 09/29/2017
North Coventry, Township of	11/30/1973	11/30/1973	N/A	08/15/1978	11/20/1996 09/29/2006 09/29/2017
Oxford, Borough of	07/26/1974	07/26/1974	05/21/1976	09/17/1982	11/20/1996 09/29/2006 09/29/2017
Parquesburg, Borough of	01/03/1975	01/03/1975	N/A	06/01/1983	11/20/1996 09/29/2006 09/29/2017
Penn, Township of	11/08/1974	11/08/1974	09/11/1981	12/17/1982	11/20/1996 09/29/2006 09/29/2017

**Table 28: Community Map History - continued**

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Pennsbury, Township of	05/04/1973	05/04/1973	07/02/1976	12/28/1976	11/20/1996 09/29/2006 09/29/2017
Phoenixville, Borough of	01/16/1974	01/16/1974	06/04/1976	11/05/1980	11/20/1996 09/29/2006 09/29/2017
Pocopson, Township of	11/22/1974	11/22/1974	N/A	04/15/1977	11/20/1996 03/17/2002 09/29/2006 09/29/2017
Sadsbury, Township of	09/13/1974	09/13/1974	06/04/1976	10/15/1985	11/20/1996 09/29/2006 09/29/2017
Schuylkill, Township of	10/25/1974	10/25/1974	10/03/1975	11/05/1980	11/20/1996 09/29/2006 09/29/2017
South Coatesville, Borough of	05/31/1974	05/31/1974	06/11/1976	05/03/1982	11/20/1996 03/17/2002 09/29/2006 09/29/2017
South Coventry, Township of	10/18/1974	10/18/1974	06/11/1976	07/18/1983	11/20/1996 09/29/2006 09/29/2017
Spring City, Borough of	12/28/1973	12/28/1973	05/28/1976	03/16/1981	11/20/1996 09/29/2006 09/29/2017
Thornbury, Township of	08/02/1974	08/02/1974	08/13/1976	03/01/1977	10/16/1981 11/20/1996 09/29/2006 09/29/2017
Tredyffrin, Township of	12/28/1973	12/28/1973	N/A	04/17/1978	10/16/1991 11/20/1996 09/29/2006 09/29/2017
Upper Oxford, Township of	12/06/1974	12/06/1974	N/A	02/25/1983	11/20/1996 09/29/2006 09/29/2017

**Table 28: Community Map History - continued**

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Upper Uwchlan, Township of	12/20/1974	12/20/1974	09/24/1976	08/19/1985	11/20/1996 03/17/2002 09/29/2006 09/29/2017
Uwchlan, Township of	09/06/1974	09/06/1974	05/28/1976	09/30/1980	11/20/1996 03/17/2002 09/29/2006 09/29/2017
Valley, Township of	11/08/1974	11/08/1974	N/A	08/01/1984	11/20/1996 03/17/2002 09/29/2006 09/29/2017
Wallace, Township of	01/10/1975	01/10/1975	N/A	03/11/1983	11/20/1996 03/17/2002 09/29/2006 09/29/2017
Warwick, Township of	09/13/1974	09/13/1974	07/09/1976	03/01/1984	11/20/1996 03/17/2002 09/29/2006 09/29/2017
West Bradford, Township of	11/08/1974	11/08/1974	08/06/1976 04/15/1977	07/16/1981	11/20/1996 03/17/2002 09/29/2006 09/29/2017
West Brandywine, Township of	09/13/1974	09/13/1974	06/18/1976	09/28/1979	11/20/1996 03/17/2002 09/29/2006 09/29/2017
West Caln, Township of	09/06/1974	09/06/1974	08/06/1976	01/17/1985	11/20/1996 03/17/2002 09/29/2006 09/29/2017
West Chester, Borough of	06/14/1974	06/14/1974	06/04/1976	07/05/1977	11/20/1996 09/29/2006 09/29/2017

**Table 28: Community Map History - continued**

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
West Fallowfield, Township of	01/03/1975	01/03/1975	N/A	04/01/1983	11/20/1996 09/29/2006 09/29/2017
West Goshen, Township of	06/21/1974	06/21/1974	06/18/1976	11/02/1977	11/20/1996 03/17/2002 09/29/2006 09/29/2017
West Grove, Borough of <sup>1</sup>	11/20/1996	N/A	N/A	11/20/1996	09/29/2006 09/29/2017
West Marlborough, Township of	12/13/1974	12/13/1974	N/A	01/18/1984	11/20/1996 03/17/2002 09/29/2006 09/29/2017
West Nantmeal, Township of	12/13/1974	12/13/1974	01/23/1981	08/01/1984	11/20/1996 03/17/2002 09/29/2006 09/29/2017
West Nottingham, Township of	11/22/1974	11/22/1974	N/A	10/15/1985	11/20/1996 09/29/2006 09/29/2017
West Pikeland, Township of	09/20/1974	09/20/1974	09/03/1976	06/01/1983	09/18/1991 11/20/1996 09/29/2006 09/29/2017
West Sadsbury, Township of	04/11/1975	04/11/1975	N/A	08/05/1985	11/20/1996 09/29/2006 09/29/2017
West Vincent, Township of	11/01/1974	11/01/1974	N/A	11/19/1987	11/20/1996 09/29/2006 09/29/2017
West Whiteland, Township of	07/26/1974	07/26/1974	06/18/1976	05/02/1977	05/17/1989 11/20/1996 09/29/2006 09/29/2017

<sup>1</sup> This community did not have mapping prior to the first countywide FIRM for Chester County

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Westtown, Township of	11/05/1976	11/05/1976	N/A	06/01/1977	03/10/1978 11/20/1996 09/29/2006 09/29/2017
Willistown, Township of	12/27/1974	12/27/1974	N/A	10/15/1981	11/20/1996 09/29/2006 09/29/2017

## SECTION 7.0 – CONTRACTED STUDIES AND COMMUNITY COORDINATION

### 7.1 Contracted Studies

Table 29 provides a summary of the contracted studies, by flooding source, that are included in this FIS Report.

**Table 29: Summary of Contracted Studies Included in this FIS Report**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Beaver Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Borough of Downingtown, Township of West Brandywine, Township of East Brandywine, Township of Caln
Beaver Run	8/1/1983	Roy F. Weston, Inc	Contract No. H-6822	12/1/1980	Township of East Nantmeal, Township of South Coventry
Bennetts Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Pennsbury
Birch Run No. 1	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Caln
Birch Run No. 2	11/19/1987	USGS	No. EMW-85-E-1823	6/1/1986	Township of West Vincent
Black Horse Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of East Bradford
Boot Road Run	9/29/2006	G.S. Winters & Associates	*	2/1/2003	Township of East Goshen
Brandywine Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Birmingham, Township of Pennsbury, Township of Pocopson, Township of East Bradford

\* Information not available

**Table 29: Summary of Contracted Studies included in this FIS Report – continued**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Buck Run (downstream)	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Highland, Township of East Fallowfield, Township of West Marlborough
Buck Run (upstream)	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of East Fallowfield
By-Pass Run	9/29/2017	*	*	2/21/2008	Township of West Goshen
Chatham Run	9/29/2017	Betz Environmental Engineers	No. H-3747	8/10/2015	Township of West Marlborough, Township of London Grove, Borough of Avondale
Clarks Creek	1/1/1977	Delaware River Basin Commission	Contract No. H-3747	1/1/1977	Township of East Goshen
Colebrook Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Whiteland
Copeland Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	11/06/2015	Township of Caln, Borough of Downingtown
Cossart Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Pennsbury
Craig Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Pennsbury
Crum Creek	4/15/1981	A. W. Martin Associates, Inc	Contract No. H-4769	10/1/1979	Township of Willistown
Doe Run	9/29/2017	A. W. Martin Associates, Inc	H-4769	8/10/2015	Township of West Marlborough, Township of Londonderry, Township of Highland
East Branch Brandywine Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Honey Brook, Township of West Nantmeal, Township of Wallace, Township of Upper Uwchlan, Township of East Brandywine, Township of Upper Uwchlan, Township of East Caln, Township of Caln, Borough of Downingtown, Township of West Bradford, Township
East Branch Chester Creek	1/1/1977	Delaware River Basin Commission	Contract No. H-3747	1/1/1977	Township of West Goshen, Township of East Goshen, Township of Westtown, Township of Thornbury
East Branch Goose Creek	11/1/1977	Betz Environmental Engineers, Inc	Contract No. H-3747	11/1/1977	Township of West Goshen

\* Information not available

**Table 29: Summary of Contracted Studies included in this FIS Report – continued**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
East Branch Octoraro Creek	11/20/1996	*	*	*	Township of West Sadsbury, Township of West Fallowfield.
East Branch Red Clay Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of East Marlborough, Township of Kennett, Borough of Kennett Square
East Branch Ridley Creek	1/1/1977	Delaware River Basin Commission	Contract No. H-3747	1/1/1977	Township of East Goshen
East Branch White Clay Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of New Garden, Township of Franklin, Township of London Grove, Borough of Avondale
East Tributary	8/17/1981	A. W. Martin Associates, Inc	Contract No. H 4769	10/1/1979	Township of East Coventry
East Tributary to Buck Run	9/29/2017	Roy F. Weston, Inc.	HSFEHQ-09-D-0369	8/10/2015	Township of Sadsbury
East Tributary to Crum Creek	4/15/1981	A. W. Martin Associates, Inc	Contract No. H-4769	10/1/1979	Township of Willistown, Township of Tredyffrin
East Tributary to Darby Creek	09/16/1980	A. W. Martin Associates, Inc	H-4769	10/1/1979	Township of East Town
French Creek	11/19/1987	USGS	Contract No. EMW-85-E-1823	6/1/1986	Township of Warwick, Township of South Coventry, Township of East Vincent, Township of West Vincent, Township of East Pikeland, Borough of Phoenixville, Township of Schuylkill
Goose Creek	11/1/1977	Betz Environmental Engineers, Inc	Contract No. H-3747	*	Township of West Goshen, Borough of West Chester, Township of Westtown
Hunters Run	1/1/1977	Delaware River Basin Commission	Contract No. H-3747	1/1/1977	Township of East Goshen
Indian King Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Whiteland
Indian Spring Run	7/17/1984	Roy F. Weston	Contract No. H-6822	12/1/1980	Township of West Caln
King James Run	1/1/1977	Delaware River Basin Commission	Contract No. H-3747	*	Township of East Goshen
Lionville Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Whiteland

\* Information not available

**Table 29: Summary of Contracted Studies included in this FIS Report – continued**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Little Buck Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Borough of Parkesburg
Little Valley Creek	4/17/1978	Michael Baker Jr.	Contract No. H-3599	12/1/1974	Township of Tredyffrin
Marshall Manor Tributary	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Borough of West Chester
Middle Branch White Clay Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of London Grover, Township of Penn, Township of Franklin
Northeast Branch Northeast Branch Ridley Creek	4/15/1981	A. W. Martin Associates, Inc	Contract No. H-4769	10/1/1979	Township of Willistown, Township of East Goshen
Officers Run	6/4/1984	Roy F. Weston Inc.	Contract No. H-6822	12/1/1980	Borough of Atglen
Parke Run	9/29/2017	Inc.	HSFEHQ-09-D-0369	11/06/2015	Borough of Downingtown
Pickering Creek	9/18/1991	Medveczky Associates, Ltd	Contract No. H-6822	11/1/1989	Township of West Pikeland, Township of East Pikeland, Township of Charlestown, Township of Schuylkill
Pigeon Creek	8/17/1981	A. W. Martin Associates, Inc	Contract No. H 4769	10/1/1979	Township of East Coventry, Township of East Vincent
Pine Creek No. 1	12/1/1982	Roy F. Weston, Inc.	Contract No. H-6822	12/1/1980	Township of West Pikeland
Pine Creek No. 2	10/15/1980	Roy F. Weston Inc.	Contract No H-4818	9/1/1979	Township of West Sadsbury
Pocopson Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Pennsbury, Township of Pocopson
Radley Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	11/06/2015	Township of Birmingham, Township of Thornbury
Red Clay Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Kennett
Ridley Creek	4/15/1981	A. W. Martin Associates, Inc	Contract No. H-4769	10/1/1979	Township of East Goshen, Township of Willistown
Ring Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Pennsbury
Rock Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Valley
Schuylkill River	11/20/1996	USACE, Philadelphia District	Agreement No. EMW-92-E-3842, Project Order No. 2	2/1/1994	Township of North Coventry, Township of East Coventry, Township of East Vincent, Borough of Spring City, Township of East Pikeland, Borough of Phoenixville, Township of Schuylkill

**Table 29: Summary of Contracted Studies included in this FIS Report – continued**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Shadygrove Way Run	12/1/1976	Betz Environmental Engineers, Inc.	Contract No. H-3747	*	Township of Westtown
Shamona Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Uwchlan, Township of east Brandywine
Shiloh Road Run	12/1/1976	Betz Environmental Engineers, Inc.	Contract No. H-3747	*	Township of Westtown
Ship Road Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Whiteland
Stackhouse Mill Run	9/29/2006	*	*	9/1/1977	Township of Willistown
Stony Brook Run	11/1/1977	Betz Environmental Engineers, Inc	Contract No. H-3747	*	Township of West Goshen
Stony Run	11/1/1977	Betz Environmental Engineers, Inc	Contract No. H-3747	*	Township of West Goshen
Street Road Tributary	9/16/1980	USGS	Contract No. 0-87-6080	8/1/1979	Township of East Vincent, Township of East Pikeland
Sucker Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Valley, City of Coatesville, Borough of South Coatesville
Swedesford Road Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Whitehead
Taylor Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of East Bradford
Tributary 1 to Beaver Creek	9/29/2017	*	*	9/25/2014	Township of Caln
Tributary 1 to Red Clay Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Kennett
Tributary 2 to East Branch Red Clay Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Kennett
Tributary 6 of Valley Run	9/29/2017	*	*	1/3/2012	Township of Caln
Tributary A to Crum Creek	4/15/1981	A. W. Martin Associates, Inc	Contract No. H-4769	10/1/1979	Township of Willistown
Tributary A to East Tributary to Darby Creek	09/16/1980	A. W. Martin Associates, Inc	H-4769	10/1/1979	Township of East Town
Tributary B to East Tributary to Crum Creek	4/15/1981	A. W. Martin Associates, Inc	Contract No. H-4769	10/1/1979	Township of Willistown

\* Information not available

**Table 29: Summary of Contracted Studies included in this FIS Report – continued**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Tributary F to Valley Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	11/06/2015	Township of West Whiteland
Tributary No. 1 of Trout Creek	4/17/1978	Michael Baker Jr.	Contract No. H-3599	12/1/1974	Township of Tredyffrin
Tributary No. 1 to Red Clay Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Kennett
Tributary No. 2 to East Branch Clay Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Kennett
Tributary No.2 of Trout Creek	4/17/1978	Michael Baker Jr.	Contract No. H-3599	12/1/1974	Township of Tredyffrin
Tributary to East Branch Brandywine Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Nantmeal
Tributary to Indian Spring Run	7/17/1984	Roy F. Weston, Inc.	Contract No. H-6822	12/1/1980	Township of West Caln
Tributary to West Branch Brandywine Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Caln
Trout Creek	4/17/1978	Michael Baker Jr.	Contract No. H-3599	12/1/1974	Township of Tredyffrin
Trout Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Borough of Avondale, Township of New Garden
Two Log Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Honey Brook
Valley Creek No. 1	10/16/1991	Dewberry & Davis	Contract No. H-3599	12/5/1990	Township of Tredyffrin
Valley Creek No. 2	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Whiteland, Township of East Whiteland
Valley Creek No.3	6/4/1984	Roy F. Weston Inc.	Contract No. H-6822	12/1/1980	Borough of Atglen, Township of West Sadsbury
Valley Run	9/29/2017	*	*	1/3/2012	Township of Caln
Waln Run	9/1/1976	SCS	Agreement No. IAA-H-4-73 Project Order No.6.	9/1/1976	Township of Thornbury

\* Information not available

**Table 29: Summary of Contracted Studies included in this FIS Report – continued**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
West Branch Brandywine Creek (Lower Reach)	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of West Caln, Township of West Brandywine, Township of Valley, City of Coatesville, Borough of South Coatesville, Borough of Modena, Township of East Fallowfield, Township of Newlin, Township of west Bradford, Town of Pocopson
West Branch Brandywine Creek (Upper Reach)	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Honey Brook
West Branch Red Clay Creek	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Kennett, Township of East Marlborough
West Branch Ridley Creek	1/1/1977	Delaware River Basin Commission	Contract No. H-3747	1/1/1977	Township of East Goshen
West Fork of East Branch Chester Creek	9/1/1976	SCS	Agreement No. IAA-H-4-73 Project Order No.6.	*	Township of Westtown, Township of Thornbury
West Town Road Run	12/28/2006	*	*	12/28/2006	Township of West Goshen
West Tributary to Buck Run	9/29/2017	RAMPP	HSFEHQ-09-D-0369	8/10/2015	Township of Sadsbury
West Tributary to Crum Creek	4/15/1981	A. W. Martin Associates, Inc	Contract No. H-4769	10/1/1979	Township of Willistown

\* Information not available

## 7.2 Community Meetings

The dates of the community meetings held for this Flood Risk Project and any previous Flood Risk Projects are shown in Table 30. These meetings may have previously been referred to by a variety of names (Community Coordination Officer (CCO), Scoping, Discovery, etc.), but all meetings represent opportunities for FEMA, community officials, study contractors, and other invited guests to discuss the planning for and results of the project.

**Table 30: Community Meetings**

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Atglen, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Avondale, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Birmingham, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Caln, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Charlestown, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Coatesville, City of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Downingtown, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
East Bradford, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
East Brandywine, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
East Caln, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
East Coventry, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor

**Table 30: Community Meetings – continued**

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
East Fallowfield, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
East Goshen, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
East Marlborough, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
East Nantmeal, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
East Pikeland, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
East Vincent, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Easttown, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Honey Brook, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Kennett, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Kennett Square, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Londonderry, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor

**Table 30: Community Meetings – continued**

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Malvern, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Modena, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Newlin, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
North Coventry, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Parkesburg, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Pennsbury, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Phoenixville, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Pocopson, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Schuylkill, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
South Coatesville, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
South Coventry, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor

**Table 30: Community Meetings – continued**

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Spring City, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Thornbury, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Tredyffrin, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Uwchlan, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Valley, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Warwick, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
West Bradford, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
West Caln, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
West Chester, Borough of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
West Goshen, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
West Marlborough, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor

**Table 30: Community Meetings – continued**

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
West Nantmeal, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
West Pikeland, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
West Vincent, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
West Whiteland, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Westtown, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor
Willistown, Township of	9/29/2017	11/09/2011	Discovery	FEMA, the community, the study contractor, and USGS
		1/12/2016	CCO Meeting	FEMA, the community, and the study contractor

## SECTION 8.0 – ADDITIONAL INFORMATION

Information concerning the pertinent data used in the preparation of this FIS Report can be obtained by submitting an order with any required payment to the FEMA Engineering Library. For more information on this process, see <http://www.fema.gov>.

The additional data that was used for this project includes the FIS Report and FIRM that were previously prepared for Chester County, Pennsylvania (All Jurisdictions) (FEMA 2006). In addition, the details of the hydrology and hydraulic analyses for the Brandywine-Christina Watershed HUC8 02040295: Brandywine Creek Sub-basin, Pennsylvania and Delaware are available in the Technical Support Data Notebooks available from the FEMA Engineering Library.

Table 31 is a list of the locations where FIRM panels for Chester County can be viewed. Please note that the maps at these locations are for reference only and are not for distribution. Also, please note that only the maps for the community listed in the table are available at that particular repository. A user may need to visit another repository to view maps from an adjacent community.

**Table 31: Map Repositories**

Community	Address	City	State	Zip Code
Atglen, Borough of	Borough Office 120 West Main Street	Atglen	PA	19310
Avondale, Borough of	Borough Office Building 110 Pomeroy Avenue	Avondale	PA	19311
Birmingham, Township of	Birmingham Township Office 1040 West Street Road	West Chester	PA	19382
Caln, Township of	Caln Township Municipal Building 253 Municipal Drive	Thorndale	PA	19372
Charlestown, Township of	Charlestown Township Office 4030 Whitehorse Road	Devault	PA	19432
Coatesville, City of	City Hall 1 City Hall Place	Coatesville	PA	19320
Downingtown, Borough of	Municipal Government Center 4 -10 West Lancaster Avenue	Downingtown	PA	19335
East Bradford, Township of	East Bradford Township Hall 666 Copeland School Road	West Chester	PA	19380

**Table 31: Map Repositories – continued**

Community	Address	City	State	Zip Code
East Brandywine, Township of	East Brandywine Township Office 1214 Horseshoe Pike	Downingtown	PA	19335
East Caln, Township of	East Caln Township Municipal Building 110 Bell Tavern Road	Downingtown	PA	19335
East Coventry, Township of	East Coventry Township Office 855 Ellis Woods Road	Pottstown	PA	19465
East Fallowfield, Township of	Township Building 2264 Strasburg Road	East Fallowfield	PA	19320
East Goshen, Township of	East Goshen Township Building 1580 Paoli Pike	West Chester	PA	19380
East Marlborough, Township of	East Marlborough Township Office 721 Unionville Road	Kennett Square	PA	19348
East Nantmeal, Township of	East Nantmeal Township Building 3383 Conestoga Road	Glenmoore	PA	19343
East Nottingham, Township of	East Nottingham Township Building 158 Election Road	Oxford	PA	19363
East Pikeland, Township of	East Pikeland Township Building 1158 Rapps Dam Road	Phoenixville	PA	19460
East Vincent, Township of	East Vincent Township Office 262 Ridge Road	Spring City	PA	19475
East Whiteland, Township of	East Whiteland Township Building 209 Conestoga Road	Frazer	PA	19355
Easttown, Township of	Easttown Township Administrative Office 566 Beaumont Road	Devon	PA	19333
Elk, Township of	Elk Township Building 952 Chesterville Road	Lewisville	PA	19351
Elverson, Borough of	Borough Hall 101 South Chestnut Street	Elverson	PA	19520
Franklin, Township of	Franklin Township Building 20 Municipal Lane	Landenberg	PA	19350

**Table 31: Map Repositories – continued**

Community	Address	City	State	Zip Code
Highland, Township of	Highland Township Municipal Building 100 Five Point Road	Coatesville	PA	19320
Honey Brook, Borough of	Borough Office 71 Pequea Avenue	Honey Brook	PA	19344
Honey Brook, Township of	Township Administration Office 500 Suplee Road	Honey Brook	PA	19344
Kennett, Township of	Kennett Township Municipal Building 801 Burrows Run Road	Chadds Ford	PA	19317
Kennett Square, Borough of	Borough Hall 120 Marshall Street	Kennett Square	PA	19348
London Britain, Township of	London Britain Township Office 81 Good Hope Road	Landenberg	PA	19350
London Grove, Township of	London Grove Township Office 372 Rose Hill Road, Suite 100	West Grove	PA	19390
Londonderry, Township of	Londonderry Municipal Office Building 103 Daleville Road	Cochranville	PA	19330
Lower Oxford, Township of	Lower Oxford Township Municipal Office 220 Township Road	Oxford	PA	19363
Malvern, Borough of	Borough Office 1 East First Avenue, Suite 3	Malvern	PA	19355
Modena, Borough of	Borough Hall 5 Woodland Avenue	Modena	PA	19358
New Garden, Township of	New Garden Township Administrative Building 299 Starr Road	Landenberg	PA	19350
New London, Township of	New London Township Building 902 State Road	West Grove	PA	19390
Newlin, Township of	Newlin Township Office, Maintenance Garage 1751 Embreeville Road	Coatesville	PA	19320
North Coventry, Township of	North Coventry Township Office 845 South Hanover Street	Pottstown	PA	19465

**Table 31: Map Repositories – continued**

Community	Address	City	State	Zip Code
Oxford, Borough of	Municipal Building 401 Market Street	Oxford	PA	19363
Parkesburg, Borough of	Borough Hall, Building 1 315 West 1st Avenue	Parkesburg	PA	19365
Penn, Township of	Penn Township Building 260 Lewis Road	West Grove	PA	19390
Pennsbury, Township of	Pennsbury Township Municipal Building 702 Baltimore Pike	Chadds Ford	PA	19317
Phoenixville, Borough of	Borough Hall 351 Bridge Street, 2nd Floor	Phoenixville	PA	19460
Pocopson, Township of	Pocopson Township Administration Building 740 Denton Hollow Road	West Chester	PA	19382
Sadsbury, Township of	Sadsbury Township Municipal Building 2920 Lincoln Highway	Sadsburyville	PA	19369
Schuylkill, Township of	Schuylkill Township Hall 111 Valley Park Road	Phoenixville	PA	19460
South Coatesville, Borough of	Borough Hall 136 Modena Road	South Coatesville	PA	19320
South Coventry, Township of	South Coventry Township 1371 New Philadelphia Road	Pottstown	PA	19465
Spring City, Borough of	Borough Hall 6 South Church Street	Spring City	PA	19475
Thornbury, Township of	Thornbury Township Municipal Building 8 Township Drive	Cheyney	PA	19319
Tredyffrin, Township of	Tredyffrin Municipal Building 1100 DuPortail Road	Berwyn	PA	19312
Upper Oxford, Township of	Upper Oxford Township Building 1185 Limestone Road	Oxford	PA	19363
Upper Uwchlan, Township of	Upper Uwchlan Township Office 140 Pottstown Pike	Chester Springs	PA	19425
Uwchlan, Township of	Uwchlan Township Administration Building, Zoning Department 715 North Ship Road	Exton	PA	19341

**Table 31: Map Repositories – continued**

Community	Address	City	State	Zip Code
Valley, Township of	Valley Township Municipal Building 890 West Lincoln Highway	Coatesville	PA	19320
Wallace, Township of	Wallace Township Municipal Building 1250 Creek Road	Glenmoore	PA	19343
Warwick, Township of	Warwick Township Building 2500 Ridge Road	Elverson	PA	19520
West Bradford, Township of	West Bradford Township Building 1385 Campus Drive, 1st Floor	Downingtown	PA	19335
West Brandywine, Township of	Township Building 198 Lafayette Road, Upper Level	West Brandywine	PA	19320
West Caln, Township of	West Caln Township Municipal Building 721 West Kings Highway	Wagontown	PA	19376
West Chester, Borough of	Municipal Building 401 East Gay Street	West Chester	PA	19380
West Fallowfield, Township of	West Fallowfield Township Office 3095 Limestone Road, Suite 1	Cochranville	PA	19330
West Goshen, Township of	West Goshen Township Office 1025 Paoli Pike	West Chester	PA	19380
West Grove, Borough of	Municipal Building 117 Rosehill Avenue, 2nd Floor	West Grove	PA	19390
West Marlborough, Township of	West Marlborough Township Building 1300 Doe Run Road	Coatesville	PA	19320
West Nantmeal, Township of	West Nantmeal Township Municipal Building 455 North Manor Road	Elverson	PA	19520
West Nottingham, Township of	West Nottingham Township Municipal Building 100 Park Road	Nottingham	PA	19362
West Pikeland, Township of	West Pikeland Township Municipal Building 1645 Art School Building	Chester Springs	PA	19425

**Table 31: Map Repositories – continued**

Community	Address	City	State	Zip Code
West Sadsbury, Township of	West Sadsbury Township Municipal Building 6400 North Moscow Road	Parkesburg	PA	19365
West Vincent, Township of	West Vincent Township Office 729 Saint Matthews Road	Chester Springs	PA	19425
West Whiteland, Township of	West Whiteland Township Building, Zoning Department 101 Commerce Drive	Exton	PA	19341
Westtown, Township of	Westtown Municipal Building 1039 Wilmington Pike	West Chester	PA	19382
Willistown, Township of	Willistown Township Administration Building 688 Sugartown Road	Malvern	PA	19355

The National Flood Hazard Layer (NFHL) dataset is a compilation of effective FIRM databases and LOMCs. Together they create a GIS data layer for a State or Territory. The NFHL is updated as studies become effective and extracts are made available to the public monthly. NFHL data can be viewed or ordered from the website shown in Table 32.

Table 32 contains useful contact information regarding the FIS Report, the FIRM, and other relevant flood hazard and GIS data. In addition, information about the State NFIP Coordinator and GIS Coordinator is shown in this table. At the request of FEMA, each Governor has designated an agency of State or territorial government to coordinate that State's or territory's NFIP activities. These agencies often assist communities in developing and adopting necessary floodplain management measures. State GIS Coordinators are knowledgeable about the availability and location of State and local GIS data in their state.

**Table 32: Additional Information**

FEMA and the NFIP	
FEMA and FEMA Engineering Library website	<a href="http://www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/engineering-library">http://www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/engineering-library</a>
NFIP website	<a href="http://www.fema.gov/national-flood-insurance-program">http://www.fema.gov/national-flood-insurance-program</a>
NFHL Dataset	<a href="http://msc.fema.gov">http://msc.fema.gov</a>
FEMA Region 3	Federal Regional Center, 615 Chestnut Street, One Independence Mall, Sixth Floor, Philadelphia, PA 19106-4404 (215) 931-5500
Other Federal Agencies	
USGS website	<a href="http://www.usgs.gov">http://www.usgs.gov</a>
Hydraulic Engineering Center website	<a href="http://www.hec.usace.army.mil">http://www.hec.usace.army.mil</a>

**Table 32: Additional Information – continued**

State Agencies and Organizations	
State NFIP Coordinator	Daniel Fitzpatrick, CFM Pennsylvania Department of Community & Economic Development Commonwealth Keystone Building 400 North Street, 4th Floor Harrisburg, PA 17120-0225 Phone: 717-720-7445 dafitzpatr@state.pa.us
State GIS Coordinator	Maurie Caitlin Kelly PASDA Director 117 Land and Water Research Building Penn State Institutes of Energy and the Environment Penn State University University Park, PA 16802 Phone: 814-863-0104 Fax: 814-865-3378 pasda@psu.edu
Statewide Regulatory Coordinator	Tom Hughes PA State Hazard Mitigation Officer Pennsylvania Emergency Management Agency 2605 Interstate Drive Harrisburg, PA 17110 Phone: 717-651-2726 RA-shazmitoff@pa.gov

**SECTION 9.0 – BIBLIOGRAPHY AND REFERENCES**

Table 33 includes sources used in the preparation of and cited in this FIS Report as well as additional studies that have been conducted in the study area.

**Table 33: Bibliography and References**

Citation in this FIS	Publisher/ Issuer	<i>Publication Title, "Article," Volume, Number, etc.</i>	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
BCM Engineers, 1989	BCM Engineers, Inc.	<i>Stormwater Management Planning Study, Borough of West Chester, Pennsylvania</i>	BCM Engineers, Inc.		1963	
Borough of West Chester, 1973	Borough of West Chester, Pennsylvania	<i>Drainage Study of Goose Creek and West Washington Street Area, West Chester Borough, Chester County, Pennsylvania</i>	G.D. Houtman and Son, Civil Engineers		September 1973	
Department of Housing and Urban Development, Date Not Available	Department of Housing and Urban Development and the Delaware River Basin Commission	<i>Community Information Packet for West Whiteland Township, Brief History of West Whiteland Township Flooding Problems</i>			Date Not Available	
FEMA, 2006	Federal Emergency Management Agency (FEMA)	<i>Chester County, Pennsylvania (All Jurisdictions)</i>		Washington, DC	September 29, 2006	<a href="https://msc.fema.gov/portal">https://msc.fema.gov/portal</a>

**Table 33: Bibliography and References – continued**

Citation in this FIS	Publisher/ Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
PA Department of Conservation and Natural Resources, Bureau of Topographic and Geologic Survey, 2008	PA Department of Conservation and Natural Resources, Bureau of Topographic and Geologic Survey	<i>Topographic and Geologic Survey, PAMAP 2008 LiDAR data</i>		Middletown, PA	2006-2008	<a href="http://www.pasda.psu.edu/uci/SearchPage.aspx?sessionID=8034524802015114134932&amp;entry=PASDA">http://www.pasda.psu.edu/uci/SearchPage.aspx?sessionID=8034524802015114134932&amp;entry=PASDA</a>
NRCS, 2012	NRCS	<i>NRCS SITES Models of Beaver Creek and Hibernia dams in Chester County, PA</i>	AMEC		April 11, 2012	
Smith, 1975		<i>Telephone communication with Mr. Thomas Smith, Zoning Officer and Director of Public Works, Township of Eash Goshen, Chester County, Pennsylvania</i>			October 29, 1975	
Smith, Chatman-Royce Associates, 1972	Prepared for Industrial, Commercial Study Group, Borough of West Chester, Pennsylvania	<i>Storm Drainage Study – East Branch Goose Creek Drainage Basin</i>	Smith, Chatman-Royce Associates		1972	
USGS, 1976	U.S. Geological Survey	<i>Delaware River Basin, Flood Frequency Analyses</i>		Harrisburg, PA	1976	

**Table 33: Bibliography and References – continued**

Citation in this FIS	Publisher/ Issuer	<i>Publication Title,</i> "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
USGS, Date Not Available	U.S. Geological Survey	<i>Water Resources Data for Pennsylvania, Surface Water Records</i>		Harrisburg, PA	Date Not Available	