



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Sussex County Delaware  (Unincorporated Areas)	DAM	BASE MAP CHANGES FLOODWAY HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA WEIR-DAM CHANGES
	COMMUNITY NO.: 100029		
IDENTIFIER	Clear Brook Restudy - Hearn and Williams Ponds	APPROXIMATE LATITUDE AND LONGITUDE: 38.679, -75.594 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 10005C0245L DATE: June 20, 2018	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: June 20, 2018 PROFILES: 36P, 37P, 38P, 39P, 40P, and 63P SUMMARY OF DISCHARGES TABLE: 4A FLOODWAY DATA TABLE: 10 LIMITED DETAILED FLOOD HAZARD DATA TABLE: 7	
TYPE: FIRM	NO.: 10005C0250L DATE: June 20, 2018		
TYPE: FIRM	NO.: 10005C0253K DATE: June 20, 2018		
TYPE: FIRM	NO.: 10005C0254L DATE: June 20, 2018		
TYPE: FIRM	NO.: 10005C0261K DATE: June 20, 2018		
TYPE: FIRM	NO.: 10005C0262L DATE: June 20, 2018		
TYPE: FIRM	NO.: 10005C0263L DATE: June 20, 2018		
TYPE: FIRM	NO.: 10005C0264L DATE: June 20, 2018		

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCE AND REVISED REACH

See Page 2 for Additional Flooding Sources

Clear Brook - from the confluence with the Nanticoke River to approximately 550 feet upstream of State Route 18/Cannon Road

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Clear Brook	BFEs*	BFEs	YES	YES
	Zone AE	Zone AE	YES	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
	Floodway	Floodway	YES	YES

\* BFEs - Base Flood Elevations

### DETERMINATION

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

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

Patrick "Rick" F. Sacbitt, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration



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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

#### FLOODING SOURCES AND REVISED REACHES

Bucks Branch - from the confluence with Clear Brook to approximately 1,070 feet downstream of Wesley Church Road  
 Bucks Branch Prong 2 - from the confluence with Bucks Branch to just downstream of Allen Road  
 Herring Run - from the confluence with Clear Brook to the downstream side of State Route 20/Norman A Eskridge Highway  
 Stream 136 - from the confluence with Clear Brook to approximately 290 feet upstream of the confluence with Clear Brook  
 William H Newton Ditch - from the confluence with Clear Brook to approximately 1,000 feet downstream of Old Furnace Road

#### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Bucks Branch	BFEs	BFEs	NONE	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
	Zone AE	Zone AE	YES	YES
Bucks Branch Prong 2	BFEs	BFEs	NONE	YES
	Zone AE	Zone AE	YES	YES
Herring Run	BFEs	BFEs	YES	NONE
	Zone X (shaded)	Zone X (shaded)	YES	YES
	Zone AE	Zone AE	YES	YES
Stream 136	Zone AE	Zone AE	YES	NONE
	Zone X (shaded)	Zone X (shaded)	YES	NONE
	Zone A	Zone A	NONE	YES
	BFEs	BFEs	YES	NONE
William H Newton Ditch	BFEs	BFEs	YES	NONE
	Zone X (shaded)	Zone X (shaded)	YES	YES
	Zone AE	Zone AE	YES	YES

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**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**OTHER COMMUNITIES AFFECTED BY THIS REVISION**

**CID Number:** 100048      **Name:** City of Seaford, Delaware

**AFFECTED MAP PANELS**

TYPE: FIRM	NO.: 10005C0262L	DATE: June 20, 2018
TYPE: FIRM	NO.: 10005C0263L	DATE: June 20, 2018
TYPE: FIRM	NO.: 10005C0264L	DATE: June 20, 2018

**AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT**

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: June 20, 2018  
 PROFILES: 36P, 37P, 38P, 39P and 63P  
 FLOODWAY DATA TABLE: 10  
 SUMMARY OF DISCHARGES TABLE: 4A

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### COMMUNITY INFORMATION

#### APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

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

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

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

#### COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

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

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

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

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

Ms. April Cummings  
Director, Mitigation Division  
Federal Emergency Management Agency, Region III  
One Independence Mall, Sixth Floor  
615 Chestnut Street  
Philadelphia, PA 19106-4404  
(215) 931-5635

### STATUS OF THE COMMUNITY NFIP MAPS

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

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below, and through FEMA's Flood Hazard Mapping website at [https://www.floodmaps.fema.gov/fhm/bfe\\_status/bfe\\_main.asp](https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp).

#### LOCAL NEWSPAPER

Name: *The News-Journal*

Dates: April 13, 2021 and April 20, 2021

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

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

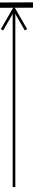
A handwritten signature in black ink, appearing to read "Rick F. Sacbibit".

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TABLE 4A – SUMMARY OF DISCHARGES FOR DETAILED STUDY STREAMS –  
(continued)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)				
		10-Percent Chance	2-Percent Chance	1-Percent Chance	0.2-Percent Chance	
<b>CLEAR BROOK</b>						
At Williams Pond Dam	23.1	614	1,341*	2,145	3,076	5,991
At Sussex Highway/U.S. Route 13	18.1	652	1,339*	2,041	2,836	5,488
At Tharp Road	17.3	677	1,337*	1,994	2,749	5,208
Upstream of confluence of William H Newton Ditch	14.5	651	1,266*	1,863	2,526	4,640
Downstream of Sussex Highway/U.S. Route 13	13.7	627	1,221*	1,791	2,417	4,363
At Hearn's Pond Dam	12.7	886	1,487*	2,087	2,788	4,823
At confluence of Bucks Branch	4.1	314	517*	724	964	1,673
Upstream of Hearn's Pond Dam	13.0	230	325*	420	530	800
<b>DEEP CREEK</b>						
Upstream of confluence with Nanticoke River	62.9	630		1,100	1,350	2,100
<b>GEORGETOWN ROAD BRANCH</b>						
Upstream of confluence with Records Pond	0.25	15		30	40	70
<b>HERRING CREEK</b>						
Upstream of Hazard Cove	21.1	250		440	540	950
Upstream of confluence with Hopkins Prong	10.9	130		220	270	450
<b>HERRING RUN</b>						
Upstream of confluence with Williams Pond	5.21	350		760	1,020	1,770
<b>HOPKINS PRONG (UNITY BRANCH)</b>						
Upstream of confluence with Herring Creek	8.8	140		240	290	500
Upstream of State Route 24	7.5	120		200	250	400
<b>INDIAN RIVER</b>						
Upstream of confluence with Warwick Gut	102.0	2,190		4,220	5,360	8,400
Upstream of Millsboro Pond Dam	63.0	1,340		2,540	3,220	5,200
<b>INGRAM BRANCH</b>						
Upstream of confluence with Wagamons Pond	14.1	200		345	420	620

REVISED DATA



\* - 4-Percent Chance Peak Discharges (cfs)

← REVISED DATA

TABLE 7 – LIMITED DETAILED FLOOD HAZARD DATA – (continued)

<u>Cross Section</u>	<u>Stream Station<sup>1</sup></u>	<u>Flood Discharge (cfs)</u>	<u>1-Percent-Annual-Chance Water Surface Elevation (feet NAVD88)</u>
<b>Baker Mill Branch</b>			
A	561	352	11.2 <sup>2</sup>
B	1,532	352	11.2 <sup>2</sup>
C	2,634	352	12.9
D	3,500	352	14.9
E	4,500	352	17.9
F	5,500	352	20.9
G	6,459	352	24.0
H	7,500	352	27.5
<b>Black Savannah Branch</b>			
A	8,573	295	30.5
B	9,500	295	33.6
C	10,604	295	36.3
D	11,359	295	37.2
E	12,000	295	38.2
F	13,000	295	39.3
G	14,000	251	39.9
<b>Black Savannah Branch Prong 1</b>			
A	377	26	28.2 <sup>2</sup>
B	1,500	26	32.4
C	2,966	26	34.8
<b>Broad Creek</b>			
T	4,953	3,315	11.3
U	6,058	2,349	11.3
V	7,699	2,349	11.7
<b>Broad Creek Prong 1</b>			
A	1,049	324	7.7
B	1,500	324	10.7
C	2,000	324	11.6
D	3,000	324	15.1
E	4,000	324	15.4
F	4,707	238	19.4
G	5,639	118	19.8
<b>Bucks Branch</b>			
A	399	562	28.3 <sup>2</sup>
B	1,500	562	28.3 <sup>2</sup>
C	2,500	562	28.4

<sup>1</sup> Distance from mouth

<sup>2</sup> Includes backwater effects

28.3 <sup>2</sup>
28.3 <sup>2</sup>
28.4



**REVISED DATA**

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: August 18, 2021**

TABLE 7 – LIMITED DETAILED FLOOD HAZARD DATA – (continued)

<u>Cross Section</u>	<u>Stream Station<sup>1</sup></u>	<u>Flood Discharge (cfs)</u>	<u>1-Percent-Annual-Chance Water Surface Elevation (feet NAVD88)</u>
Bucks Branch (continued)			
D	3,560	562	28.4
E	4,500	562	28.4
F	5,500	562	28.5
G	6,390	562	28.6
H	7,000	676	29.6
I	8,000	676	29.8
J	9,000	676	30.0
K	10,000	732	30.4
L	12,000	732	31.3
M	14,000	465	33.9
N	16,000	465	35.8
O	18,000	465	36.3
P	20,000	465	37.3
Q	22,000	465	39.3
R	24,037	670	43.5
Bucks Branch Prong 2			
A	500	154	30.2 <sup>2</sup>
B	1,500	154	33.0
C	2,500	154	33.2
D	3,533	142	35.7
E	5,500	142	38.5
Bucks Branch Prong 5			
A	366	310	31.4 <sup>2</sup>
B	1,500	310	32.3
C	2,500	310	33.5
D	3,500	435	35.4
E	4,500	435	37.6
Butler Mill Branch			
A	3,495 <sup>3</sup>	681	6.0 <sup>2</sup>
B	4,157 <sup>3</sup>	681	6.0 <sup>2</sup>
C	4,861 <sup>3</sup>	681	6.0 <sup>2</sup>
D	5,332 <sup>3</sup>	681	6.0 <sup>2</sup>
E	5,807 <sup>3</sup>	681	6.0 <sup>2</sup>
F	6,307 <sup>3</sup>	681	6.0 <sup>2</sup>
G	7,142 <sup>3</sup>	681	6.7

REVISIED DATA

<sup>1</sup> Distance from mouth

<sup>2</sup> Includes backwater effects

<sup>3</sup> Feet above confluence with Nanticoke River/Lewes Creek

TABLE 7 – LIMITED DETAILED FLOOD HAZARD DATA – (continued)

<u>Cross Section</u>	<u>Stream Station<sup>1</sup></u>	<u>Flood Discharge (cfs)</u>	<u>1-Percent-Annual-Chance Water Surface Elevation (feet NAVD88)</u>
Chapel Branch (continued)			
BG	26,851 <sup>2</sup>	239	32.7
BH	27,365 <sup>2</sup>	239	32.8
BI	27,835 <sup>2</sup>	239	32.9
BJ	28,353 <sup>2</sup>	239	33.3
BK	28,880 <sup>2</sup>	239	33.6
BL	29,236 <sup>2</sup>	239	34.0
Clear Brook Branch			
<del>X</del>	<del>32,367</del>	<del>911</del>	<del>30.8</del>
Y	33,000	911	31.0
Z	34,000	911	31.5
AA	35,000	845	32.2
AB	35,942	845	33.6
AC	37,000	845	34.6
AD	38,000	845	35.2
AE	39,000	845	35.9
AF	39,931	845	37.2
AG	41,000	751	42.7
AH	41,938	751	42.8
AI	43,000	751	42.8
AJ	43,931	751	42.8
AK	45,000	695	42.9
AL	45,829	695	43.0
Cool Branch			
A	6,004	258	17.0
B	7,000	258	18.9
C	8,139	258	23.8
D	8,946	258	24.4
E	9,916	258	26.2
F	11,000	258	28.2
G	12,500	222	30.4
Cooper Branch			
A	57	229	6.7 <sup>3</sup>
B	464	229	8.5
C	964	229	10.4
D	2,053	229	12.9
E	2,763	229	18.1
F	4,000	109	26.9
G	5,000	109	26.9

REVISED DATA  
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<sup>1</sup> Distance from mouth

<sup>2</sup> Feet above confluence with Nanticoke River

<sup>3</sup> Includes backwater effects

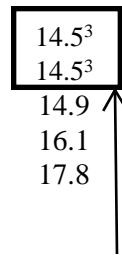
TABLE 7 – LIMITED DETAILED FLOOD HAZARD DATA – (continued)

<u>Cross Section</u>	<u>Stream Station<sup>1</sup></u>	<u>Flood Discharge (cfs)</u>	<u>1-Percent-Annual-Chance Water Surface Elevation (feet NAVD88)</u>
Ward Cordrey Branch (continued)			
E	3,000	804	37.0
F	4,000	757	37.6
G	4,500	757	38.1
H	5,500	757	39.2
I	6,402	757	40.6
J	7,953	757	44.1
K	9,500	716	44.5
L	11,000	716	44.8
M	12,791	480	45.3
White Marsh Branch			
A	1,077 <sup>2</sup>	852	43.3 <sup>3</sup>
B	1,573 <sup>2</sup>	852	43.3
C	2,110 <sup>2</sup>	680	44.0
D	2,540 <sup>2</sup>	680	45.4
E	3,132 <sup>2</sup>	680	45.8
F	3,684 <sup>2</sup>	680	46.1
G	4,136 <sup>2</sup>	680	46.3
H	4,655 <sup>2</sup>	680	46.5
I	5,261 <sup>2</sup>	680	46.8
White Oak Swamp Ditch			
A	432	211	26.2 <sup>3</sup>
B	1,026	211	27.8
C	1,715	211	28.7
William H Newton Ditch			
A	500	149	14.5 <sup>3</sup>
B	1,500	149	14.5 <sup>3</sup>
C	2,500	149	14.9
D	3,093	149	16.1
E	4,196	149	17.8

<sup>1</sup> Distance from mouth

<sup>2</sup> Feet above confluence with Nanticoke River

<sup>3</sup> Includes backwater effects



**REVISED DATA**

**REVISED TO  
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EFFECTIVE: August 18, 2021**

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD88)	WITHOUT FLOODWAY (FEET NAVD88)	WITH FLOODWAY (FEET NAVD88)	INCREASE (FEET)
Clear Brook								
A	677	240	1,117	2.8	6.0	1.4 <sup>2</sup>	1.4	0.0
B	825	331	1,455	2.1	6.0	1.7 <sup>2</sup>	1.8	0.1
C	1,189	308	1,456	2.1	6.0	1.9 <sup>2</sup>	1.9	0.0
D	1,312	492	5,734	0.5	10.4	10.4	10.9	0.5
E	5,971	306	2,895	1.0	10.5	10.5	11.0	0.5
F	6,199	481	4,858	0.6	10.5	10.5	11.0	0.5
G	7,390	203	2,151	1.3	10.6	10.6	11.1	0.5
H	9,063	237	1,905	1.5	10.6	10.6	11.1	0.5
I	10,147	150	1,359	2.1	10.7	10.7	11.1	0.4
J	10,266	141	1,130	2.5	11.6	11.6	12.1	0.5
K	12,851	223	1,154	2.4	12.1	12.1	12.6	0.5
L	14,707	281	1,560	1.8	14.2	14.2	14.8	0.6
M	18,092	194	1,296	2.0	18.7	18.7	19.2	0.5
N	20,139	396	2,424	0.9	20.1	20.1	20.6	0.5
O	21,387	210	1,168	1.0	20.4	20.4	20.9	0.5
P	21,937	104	978	2.2	21.8	21.8	22.2	0.4
Q	22,391	343	3,196	0.9	25.9	25.9	26.1	0.2
R	22,469	293	2,507	1.1	25.9	25.9	26.1	0.2
S	22,798	593	5,049	0.6	28.3	28.3	29.2	0.9
T	25,851	228	1,859	0.5	28.4	28.4	29.3	0.9
U	28,225	117	712	1.4	28.4	28.4	29.3	0.9
V	28,401	135	948	1.0	29.3	29.3	29.9	0.6
W	29,889	150	586	0.9	30.2	30.2	30.6	0.4
X	30,015	85	400	1.3	30.6	30.6	31.2	0.6

<sup>1</sup>Feet above confluence with Nanticoke River

<sup>2</sup>Elevation computed without consideration of backwater effects from Chesapeake Bay

<b>TABLE 10</b>	<b>FEDERAL EMERGENCY MANAGEMENT AGENCY</b>	<b>FLOODWAY DATA</b>	REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021
	<b>SUSSEX COUNTY, DE AND INCORPORATED AREAS</b>		<b>CLEAR BROOK</b>



FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD88)	WITHOUT FLOODWAY (FEET NAVD88)	WITH FLOODWAY (FEET NAVD88)	INCREASE (FEET)
Herring Run								
A	867	165	450	2.3	10.4	6.6 <sup>2</sup>	7.6	1.0
B	1,052	73	454	2.2	14.3	14.3	14.3	0.0
C	1,800	150	699	1.5	14.5	14.5	14.8	0.3
D	2,527	249	551	1.9	14.8	14.8	15.6	0.8
E	3,297	70	221	4.6	18.3	18.3	19.2	0.9
F	3,437	80	622	1.6	22.5	22.5	23.5	1.0
G	3,642	210	1,554	0.7	22.5	22.5	23.4	0.9
H	4,367	320	1,754	0.6	22.6	22.6	23.6	1.0
I	5,057	280	1,551	0.7	22.6	22.6	23.6	1.0
J	5,787	220	812	1.3	22.8	22.8	23.7	0.9
K	6,477	95	303	3.4	23.4	23.4	24.3	0.9
L	7,117	100	316	3.2	25.3	25.3	26.3	1.0
M	7,987	235	774	1.3	26.8	26.8	27.8	1.0
N	8,657	50	231	4.4	28.1	28.1	28.5	0.4
O	9,377	165	639	1.6	29.4	29.4	30.4	1.0

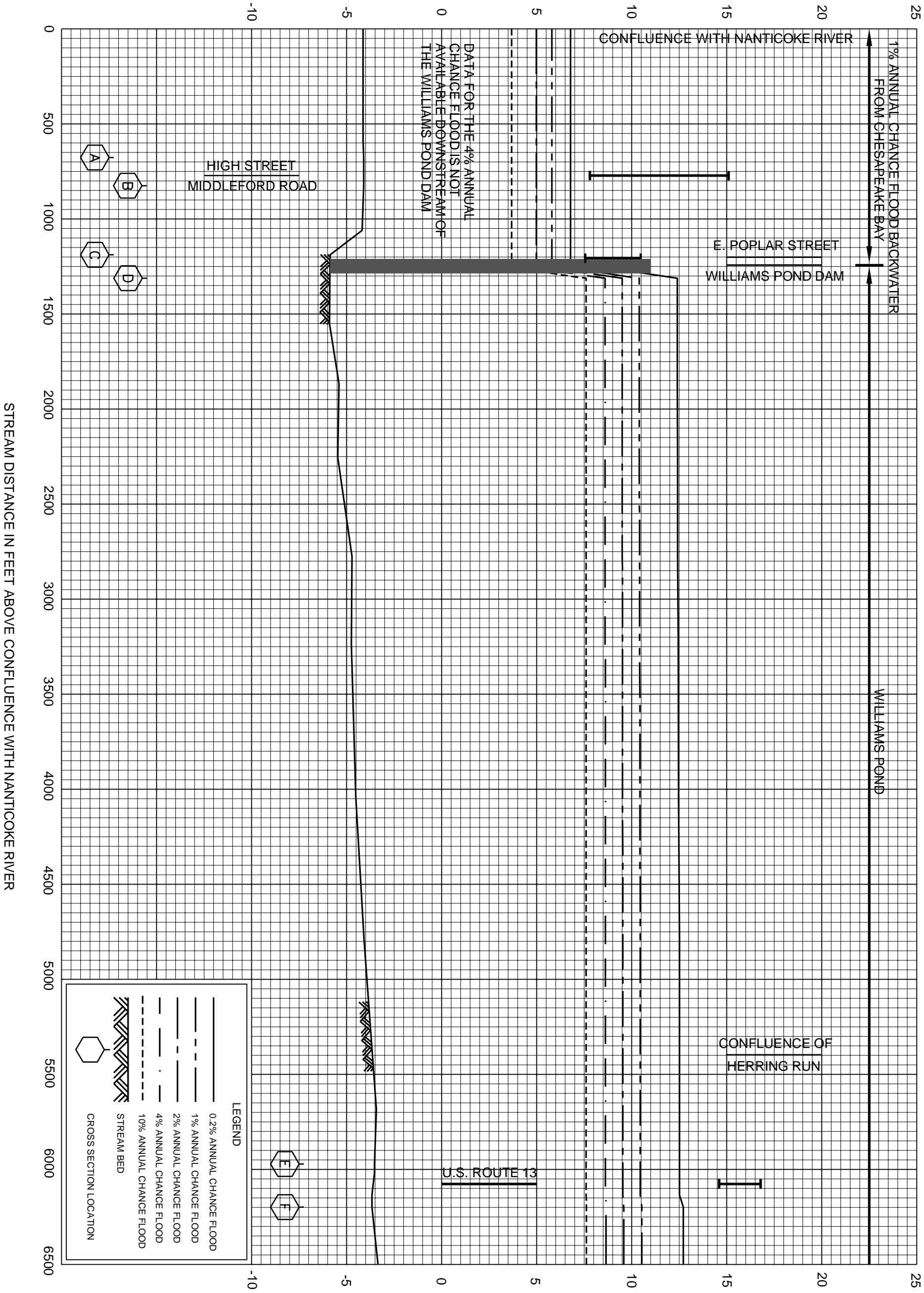
REVISED DATA

<sup>1</sup>Feet above confluence with Clear Brook (Williams Pond)

<sup>2</sup>Elevation computed without consideration of backwater effects from Clear Brook

<b>TABLE 10</b>	<b>FEDERAL EMERGENCY MANAGEMENT AGENCY</b>	<b>FLOODWAY DATA</b>	REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021
	<b>SUSSEX COUNTY, DE AND INCORPORATED AREAS</b>		<b>HERRING RUN</b>

ELEVATION IN FEET (NAVD 88)



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH NANTICOKE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

SUSSEX COUNTY, DE AND INCORPORATED AREAS

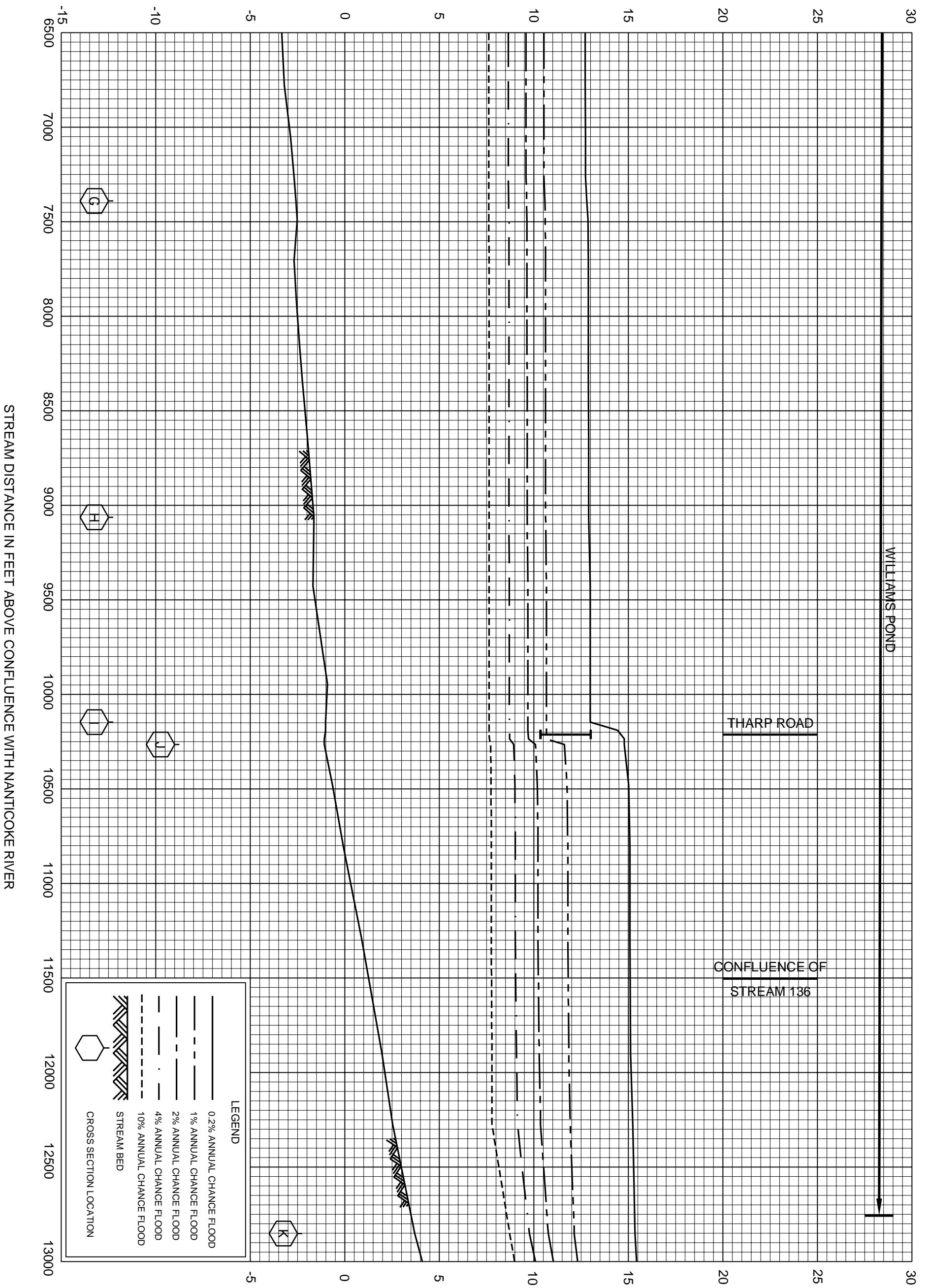
FLOOD PROFILES

REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021

CLEAR BROOK

36P

ELEVATION IN FEET (NAVD 88)



**LEGEND**

- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 4% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

FEDERAL EMERGENCY MANAGEMENT AGENCY

SUSSEX COUNTY, DE  
AND INCORPORATED AREAS

FLOOD PROFILES

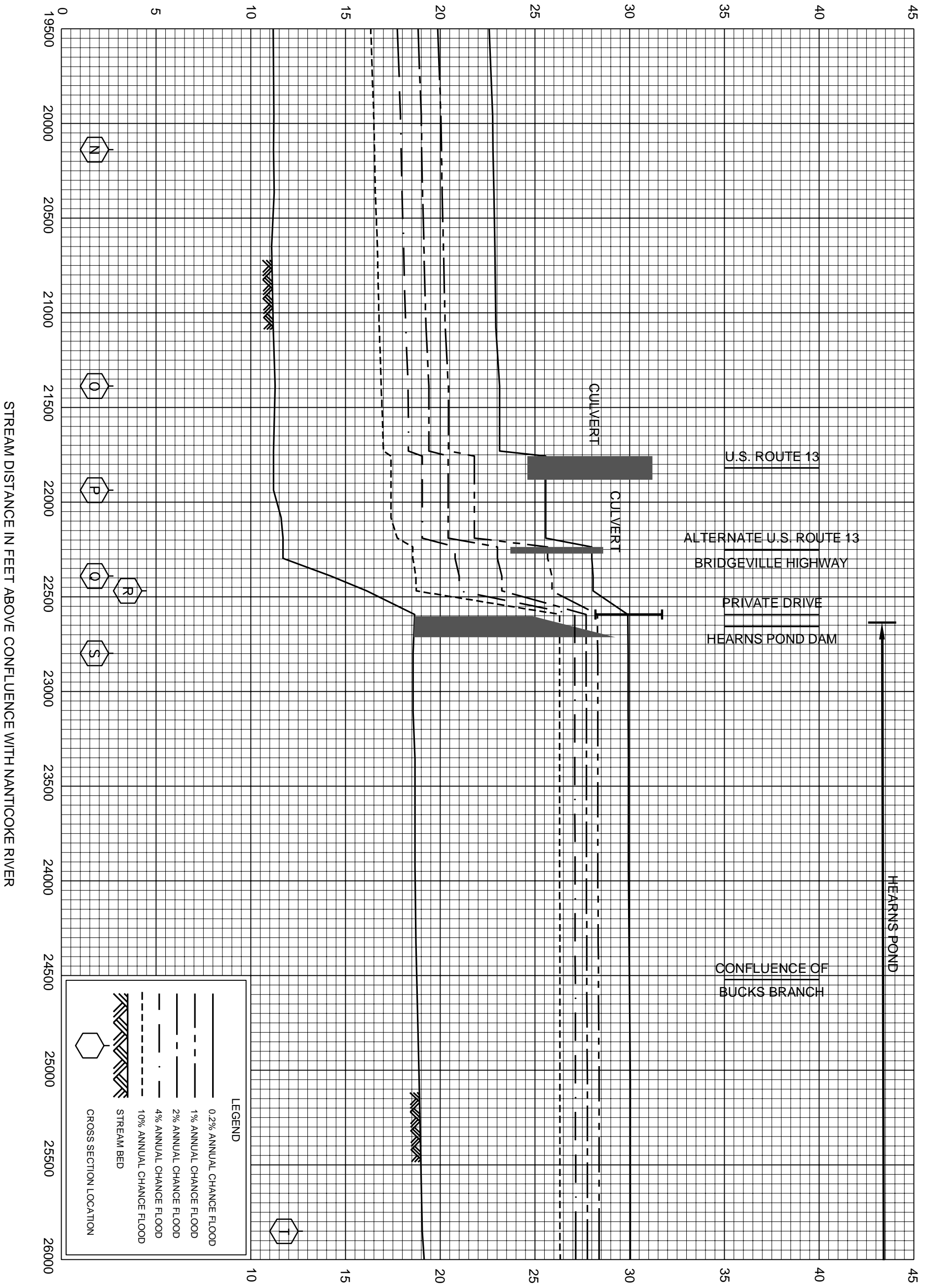
REVISED TO  
REFLECT LOMR  
EFFECTIVE: August 18, 2021

CLEAR BROOK

37P



ELEVATION IN FEET (NAVD 88)



**LEGEND**

- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 4% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

FEDERAL EMERGENCY MANAGEMENT AGENCY

SUSSEX COUNTY, DE  
AND INCORPORATED AREAS

FLOOD PROFILES

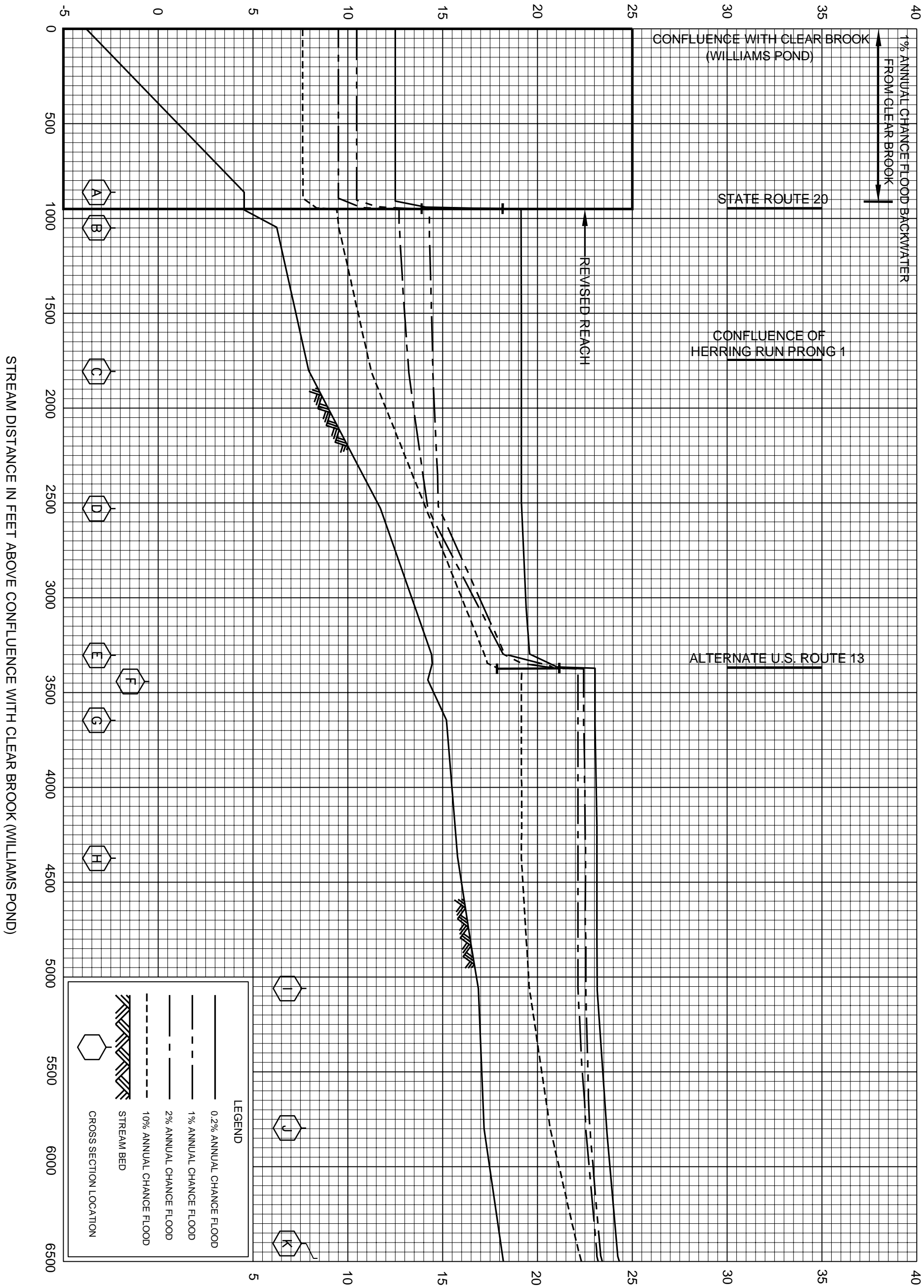
REVISED TO  
REFLECT LOMR  
EFFECTIVE: August 18, 2021

CLEAR BROOK

39P



ELEVATION IN FEET (NAVD 88)



FEDERAL EMERGENCY MANAGEMENT AGENCY

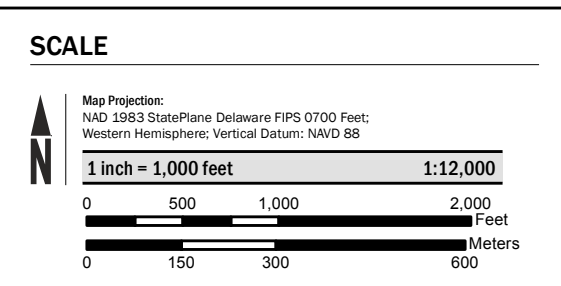
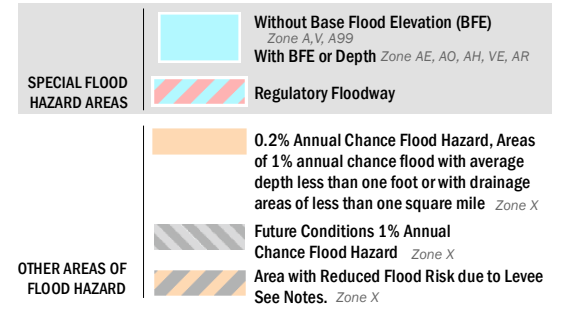
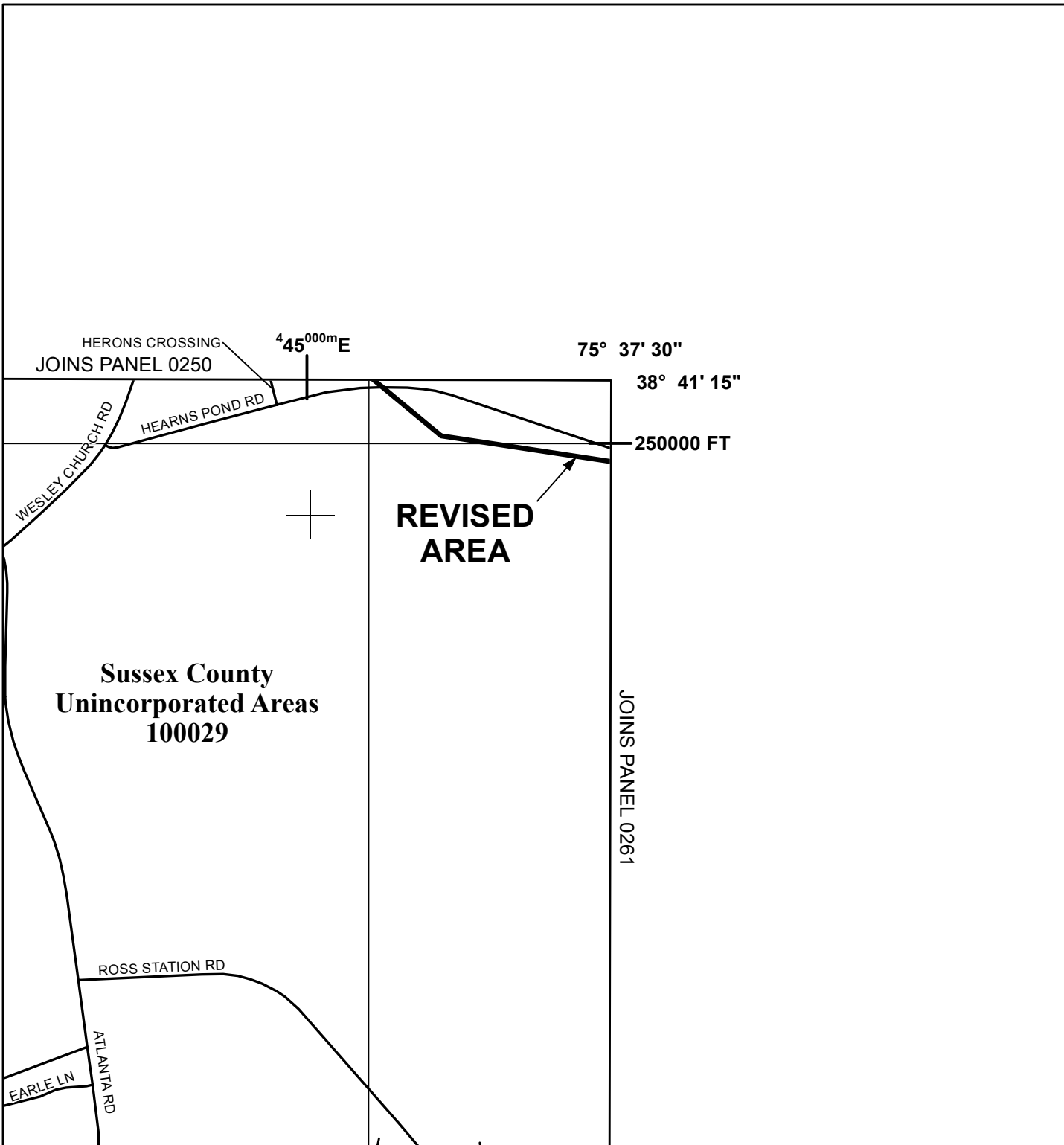
SUSSEX COUNTY, DE  
AND INCORPORATED AREAS

FLOOD PROFILES

REVISED TO  
REFLECT LOMR  
EFFECTIVE: August 18, 2021

HERRING RUN

63P



**FEMA**

National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM**

FLOOD INSURANCE RATE MAP

**SUSSEX COUNTY, DELAWARE**

and Incorporated Areas

**PANEL 245 OF 660**



**FEMA**

Panel Contains:			
COMMUNITY	NUMBER	PANEL	SUFFIX
SEAFORD, CITY OF	100048	0245	L
SUSSEX COUNTY	100029	0245	L

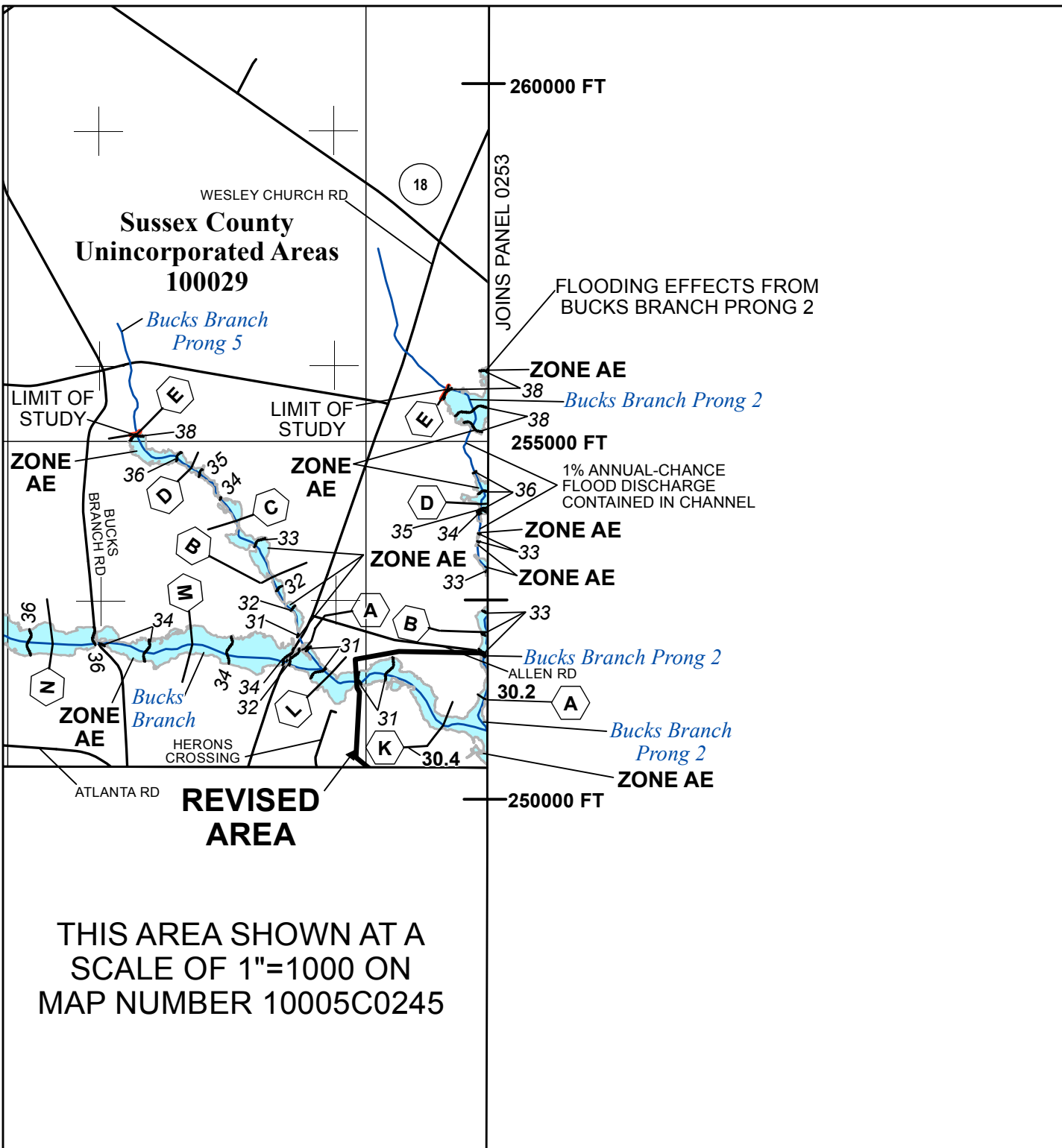
**REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021**

VERSION NUMBER  
**2.1.3.0**

MAP NUMBER  
**10005C0245L**

MAP REVISED  
**JUNE 20, 2018**





**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE)  
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes. Zone X

**SCALE**

Map Projection:  
NAD 1983 StatePlane Delaware FIPS 0700 Feet;  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 2,000 feet      1:24,000

0 1,000 2,000 4,000 Feet

0 300 600 1,200 Meters

**FEMA**  
National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP

**SUSSEX COUNTY, DELAWARE**  
and Incorporated Areas  
PANEL 250 OF 660

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BRIDGEVILLE, TOWN OF	100032	0250	L
SUSSEX COUNTY	100029	0250	L

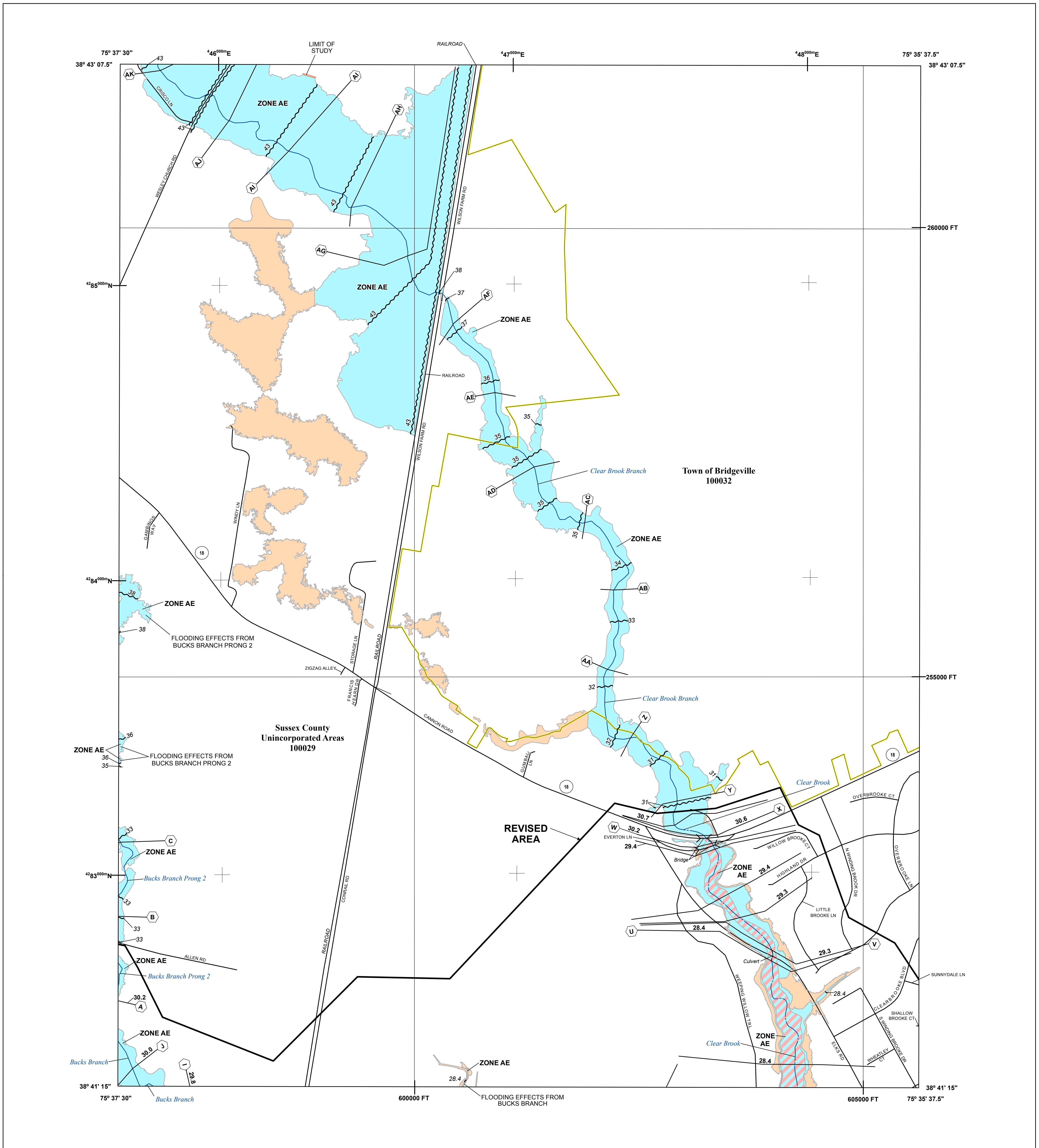
**REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021**

VERSION NUMBER  
2.1.3.0

MAP NUMBER  
10005C0250L

MAP REVISED  
JUNE 20, 2018





**FLOOD HAZARD INFORMATION**

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT  
**THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTPS://MSC.FEMA.GOV](https://MSC.FEMA.GOV)**

<b>SPECIAL FLOOD HAZARD AREAS</b>		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
<b>OTHER AREAS OF FLOOD HAZARD</b>		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
<b>OTHER AREAS</b>		Area of Minimal Flood Hazard Zone X
		Area of Undetermined Flood Hazard Zone D
<b>GENERAL STRUCTURES</b>		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
<b>OTHER FEATURES</b>		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary

**NOTES TO USERS**

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Mapping and Insurance eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at [msc.fema.gov](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 website.

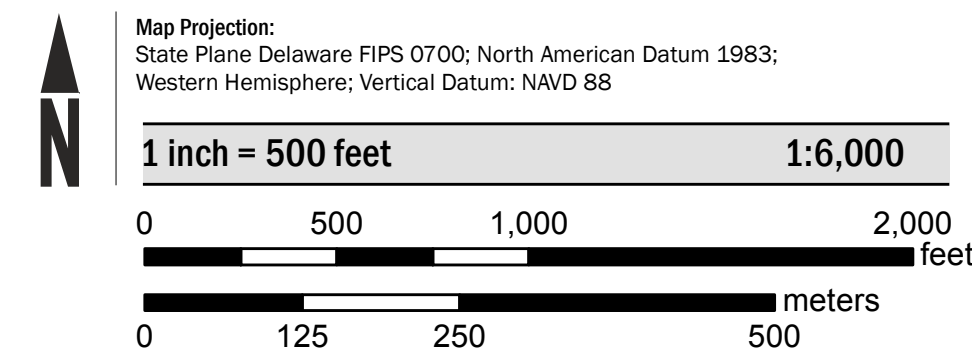
Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to 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.

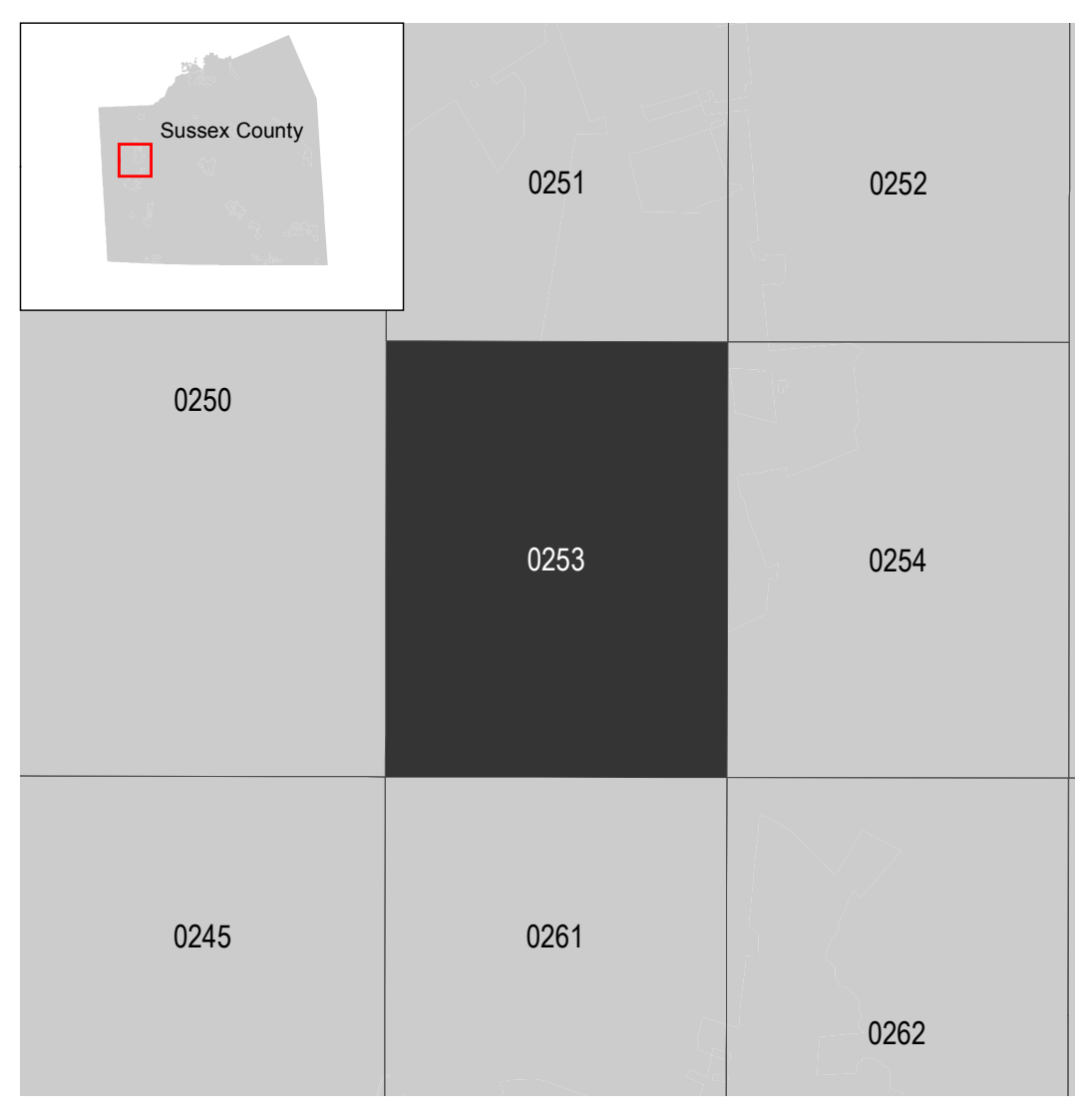
Base map information shown on this FIRM was provided in digital format by Delaware Geospatial Data Exchange. The base map features were compiled at a scale of 1:24,000 from aerial photography dated 2011.

Local vertical monuments were used to create this map. To obtain current monument information, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit the website at <http://www.ngs.noaa.gov/>.

**SCALE**



**PANEL LOCATOR**



**National Flood Insurance Program**

**NATIONAL FLOOD INSURANCE PROGRAM**  
**FLOOD INSURANCE RATE MAP**

**SUSSEX COUNTY, DELAWARE**  
 and Incorporated Areas

PANEL 253 of 660

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BRIDGEVILLE, TOWN OF	100032	0253	K
SUSSEX COUNTY	100029	0253	K

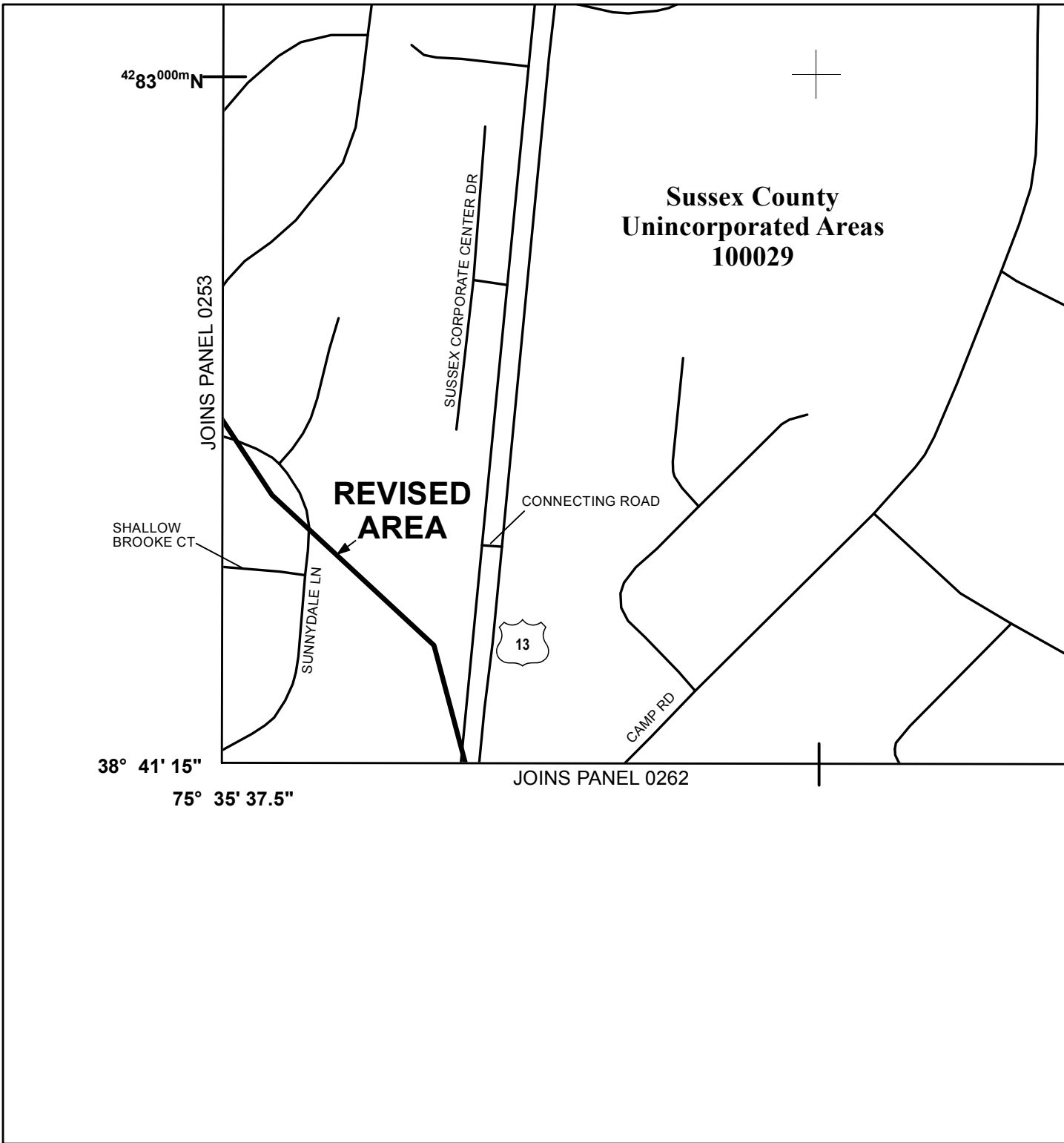
REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021

FEMA

VERSION NUMBER  
**2.1.3.0**

MAP NUMBER  
**10005C0253K**

MAP REVISED  
**JUNE 20, 2018**



42° 83' 00" N

JOINS PANEL 0253

**Sussex County  
Unincorporated Areas  
100029**

**REVISED  
AREA**

SHALLOW  
BROOKE CT

SUSSEX CORPORATE CENTER DR

CONNECTING ROAD

SUNNYDALE LN



CAMP RD

JOINS PANEL 0262

38° 41' 15"

75° 35' 37.5"

**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE)  
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes. Zone X

**SCALE**

Map Projection:  
NAD 1983 StatePlane Delaware FIPS 0700 Feet;  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet      1:6,000

**FEMA**  
National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM  
FLOOD INSURANCE RATE MAP**

**SUSSEX COUNTY, DELAWARE**  
and Incorporated Areas  
PANEL 254 OF 660

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BRIDGEVILLE, TOWN OF	100032	0254	L
SUSSEX COUNTY	100029	0254	L

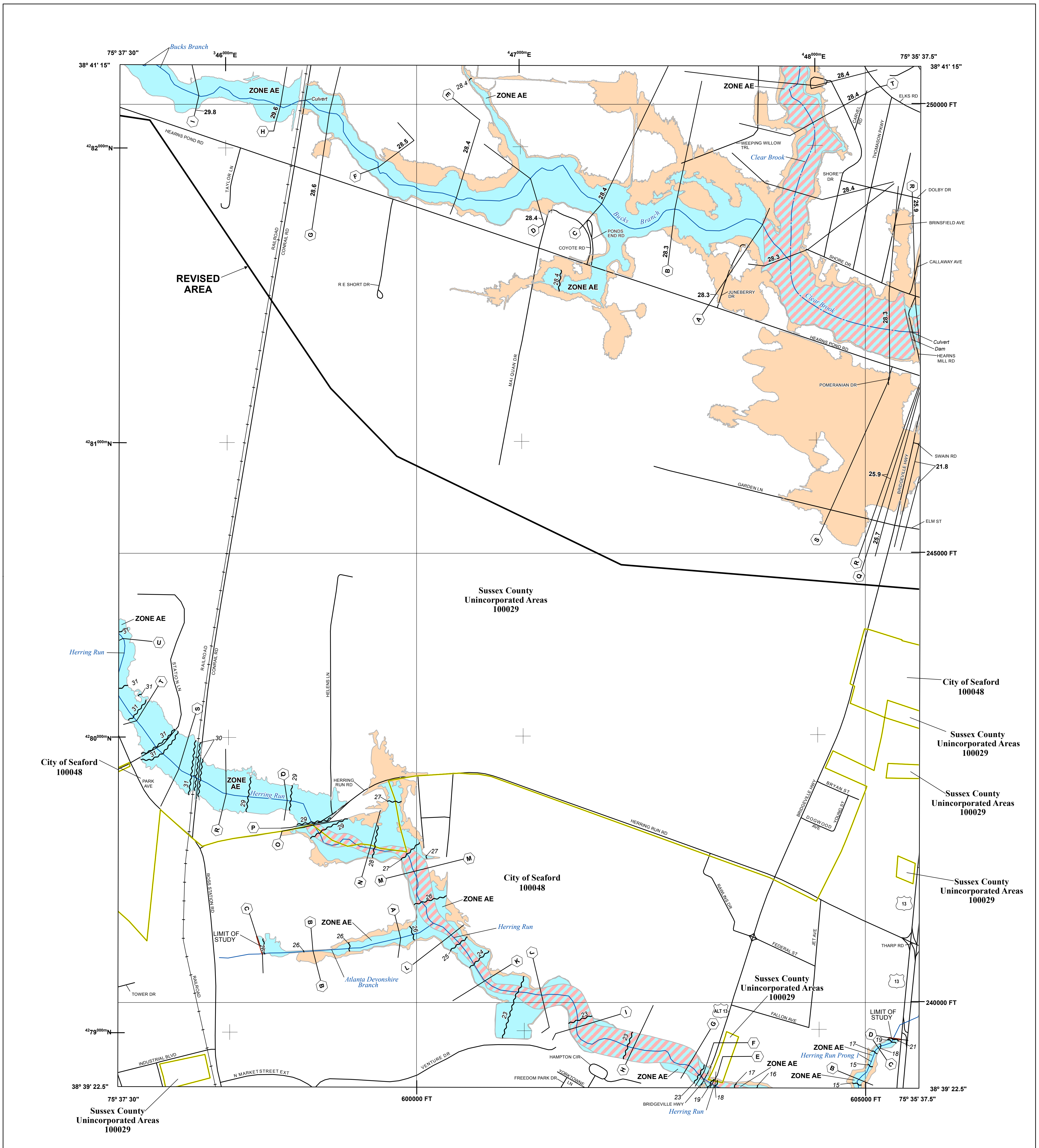
**REVISED TO REFLECT LOMR  
EFFECTIVE: August 18, 2021**

VERSION NUMBER  
**2.1.3.0**

MAP NUMBER  
**10005C0254L**

MAP REVISED  
**JUNE 20, 2018**





**FLOOD HAZARD INFORMATION**

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT  
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	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee See Notes. Zone X
	Area with Flood Risk due to Levee Zone D
	Area of Minimal Flood Hazard Zone X
	Area of Undetermined Flood Hazard Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

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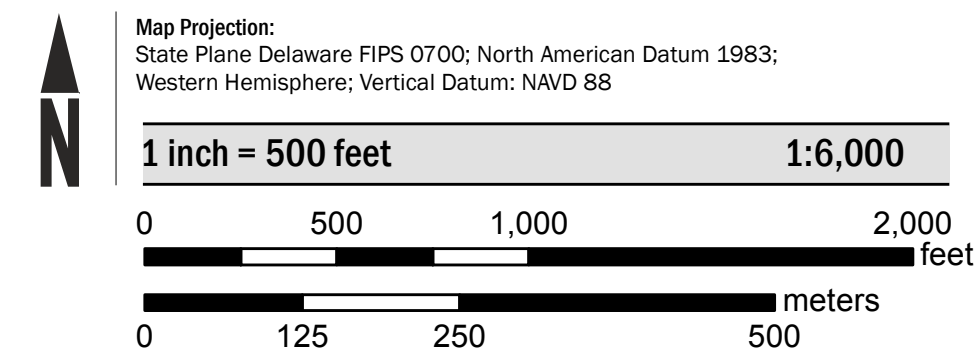
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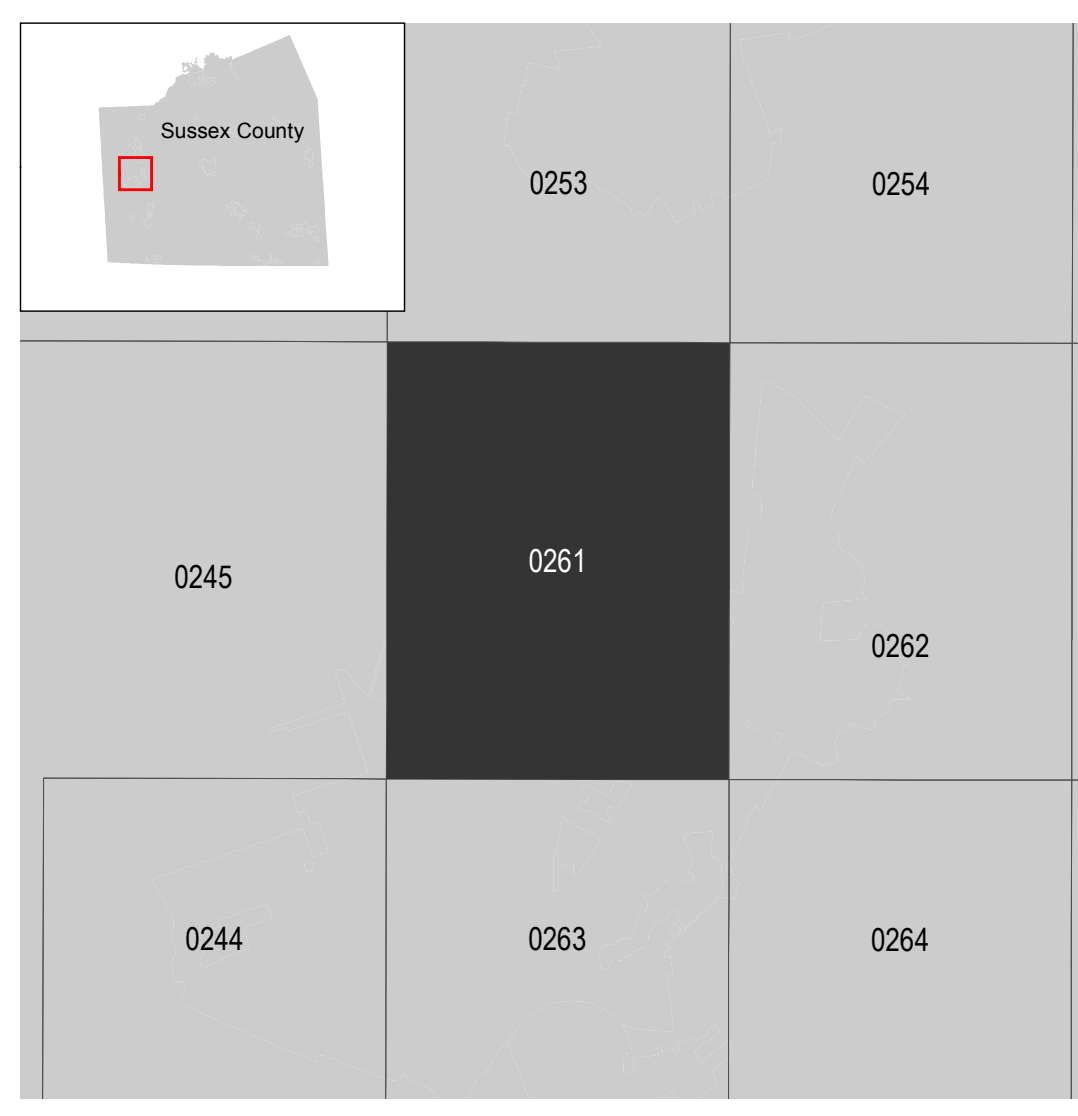
Base map information shown on this FIRM was provided in digital format by Delaware Geospatial Data Exchange. The base map features were compiled at a scale of 1:24,000 from aerial photography dated 2011.

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**SCALE**



**PANEL LOCATOR**



**National Flood Insurance Program**

**NATIONAL FLOOD INSURANCE PROGRAM**  
**FLOOD INSURANCE RATE MAP**

**SUSSEX COUNTY, DELAWARE**  
 and Incorporated Areas

PANEL 261 of 660

FEMA

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SEAFORD, CITY OF	100048	0261	K
SUSSEX COUNTY	100029	0261	K

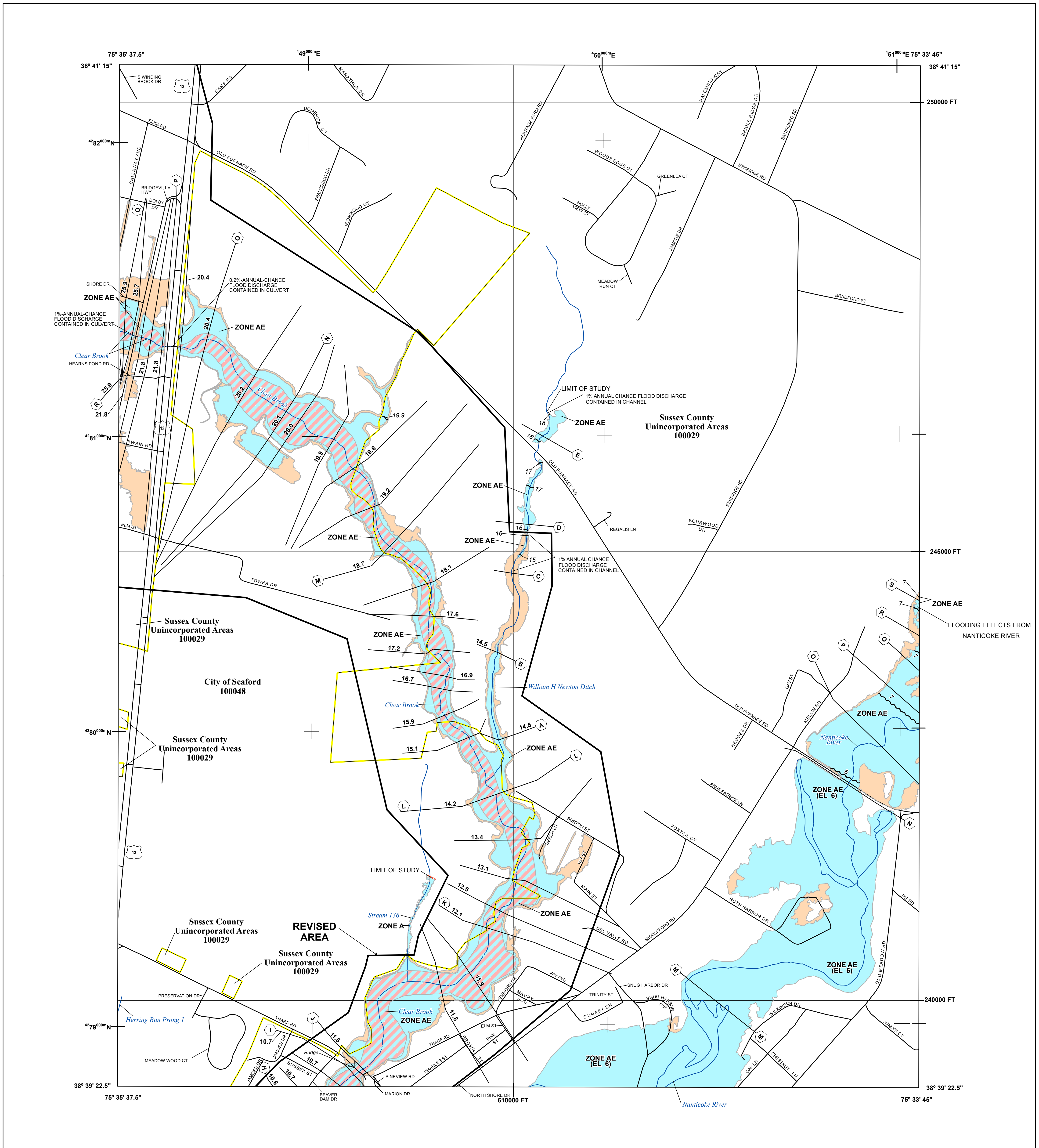
REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021

VERSION NUMBER  
**2.1.3.0**

MAP NUMBER  
**10005C0261K**

MAP REVISED  
**JUNE 20, 2018**





**FLOOD HAZARD INFORMATION**

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT  
 THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTPS://MSC.FEMA.GOV](https://MSC.FEMA.GOV)

	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee See Notes. Zone X
	Area with Flood Risk due to Levee Zone D
	Area of Minimal Flood Hazard Zone X
	Area of Undetermined Flood Hazard Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
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	Hydrographic Feature
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

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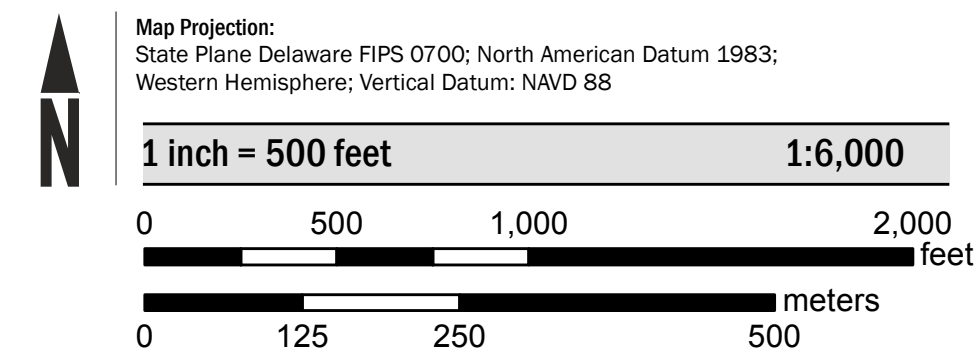
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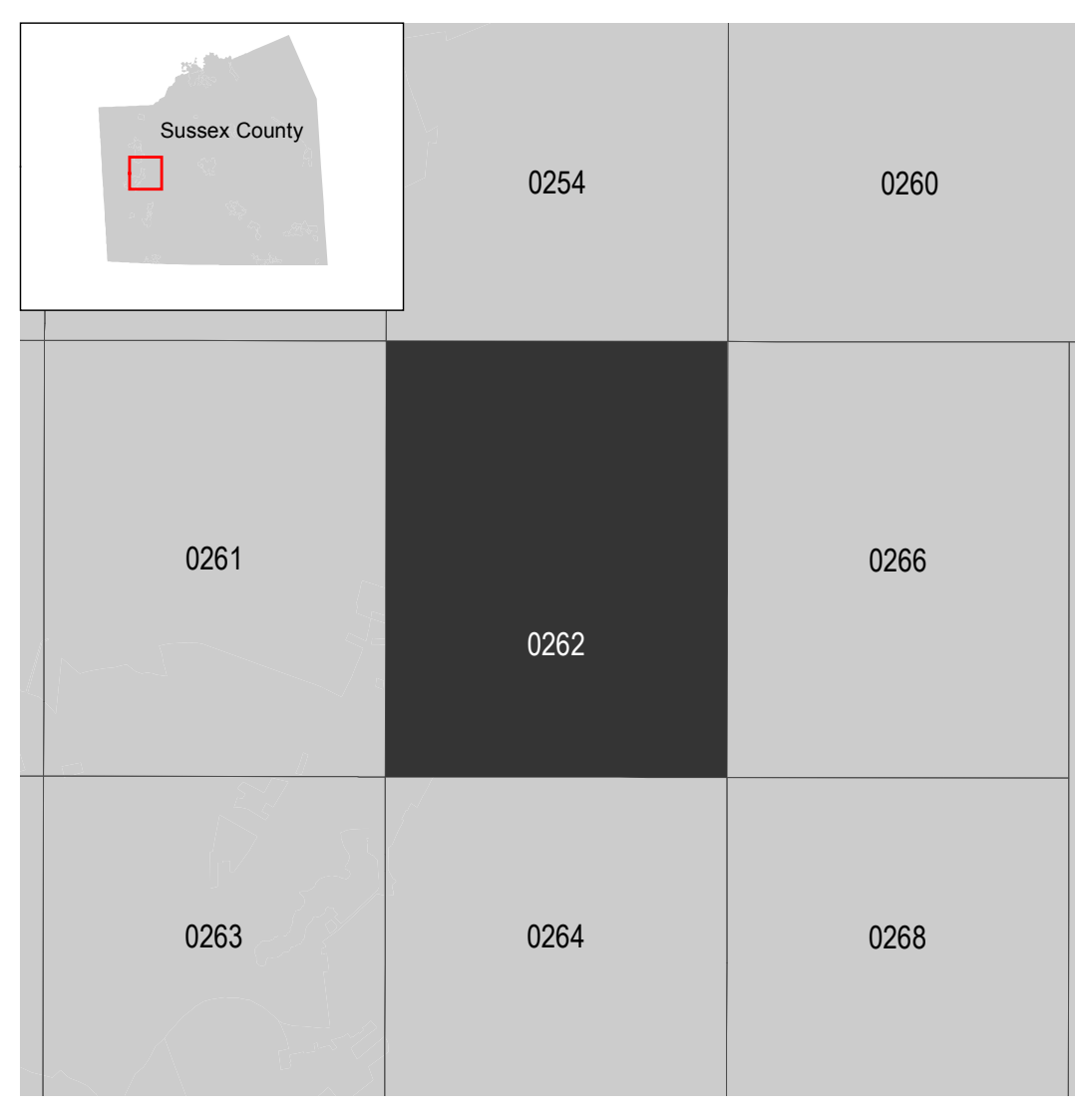
Base map information shown on this FIRM was provided in digital format by Delaware Geospatial Data Exchange. The base map features were compiled at a scale of 1:24,000 from aerial photography dated 2011.

Local vertical monuments were used to create this map. To obtain current monument information, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit the website at <http://www.ngs.noaa.gov/>.

**SCALE**



**PANEL LOCATOR**



**National Flood Insurance Program**

**NATIONAL FLOOD INSURANCE PROGRAM**  
**FLOOD INSURANCE RATE MAP**

**SUSSEX COUNTY, DELAWARE**  
 and Incorporated Areas

PANEL 262 of 660

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SEAFORD, CITY OF	100048	0262	L
SUSSEX COUNTY	100029	0262	L

**REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021**

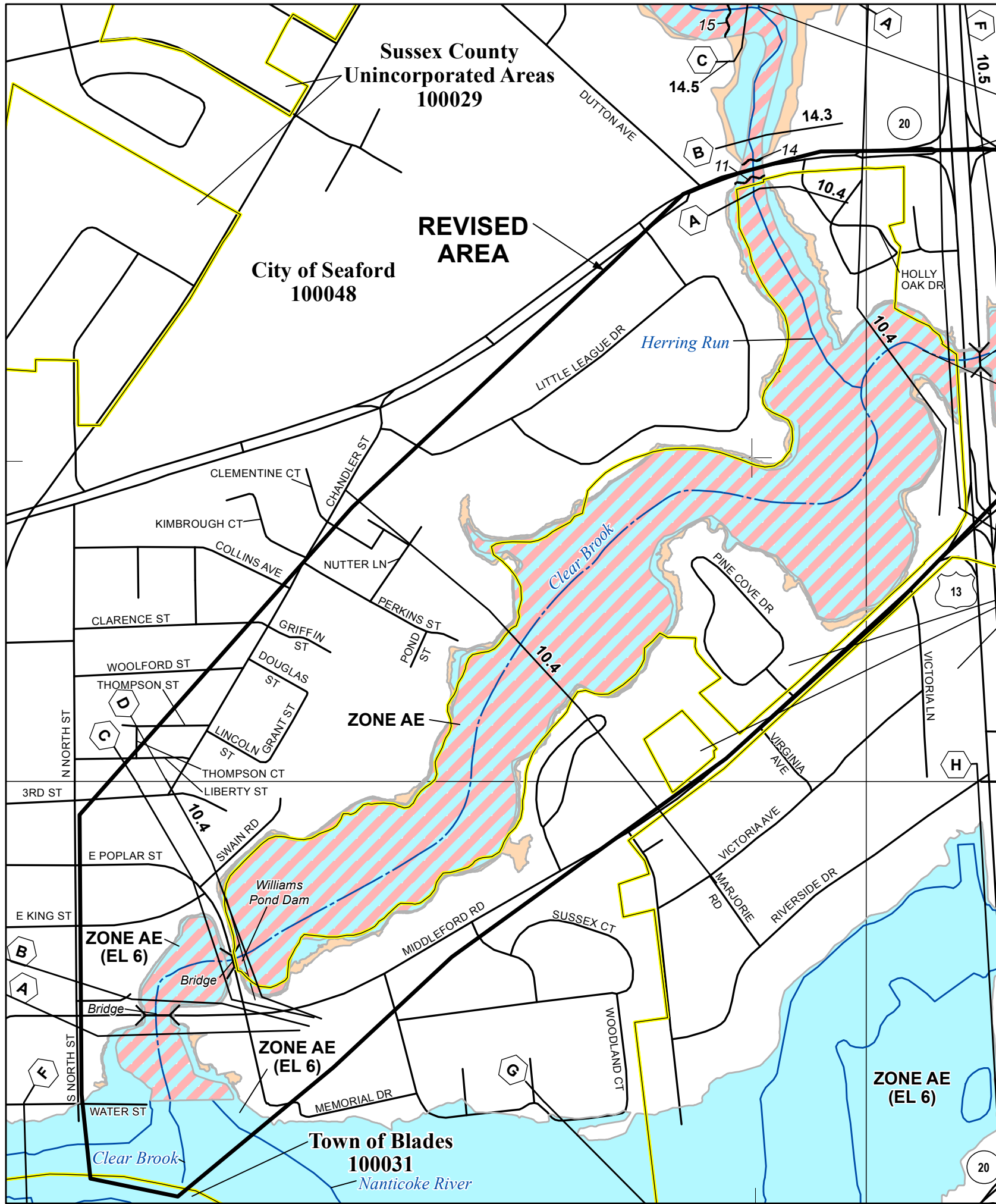
FEMA

VERSION NUMBER  
**2.1.3.0**

MAP NUMBER  
**10005C0262L**

MAP REVISED  
**JUNE 20, 2018**





**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes. Zone X

**SCALE**

Map Projection:  
NAD 1983 StatePlane Delaware FIPS 0700 Feet;  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

**FEMA**  
National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP

**SUSSEX COUNTY, DELAWARE**  
and Incorporated Areas  
PANEL 263 OF 660

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BLADES, TOWN OF	100031	0263	L
SEAFORD, CITY OF	100048	0263	L
SUSSEX COUNTY	100029	0263	L

**REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021**

**VERSION NUMBER 2.1.3.0**  
**MAP NUMBER 10005C0263L**  
**MAP REVISED JUNE 20, 2018**

75° 35' 37.5"  
38° 39' 22.5"

490000mE

450000mE

City of Seaford  
100048

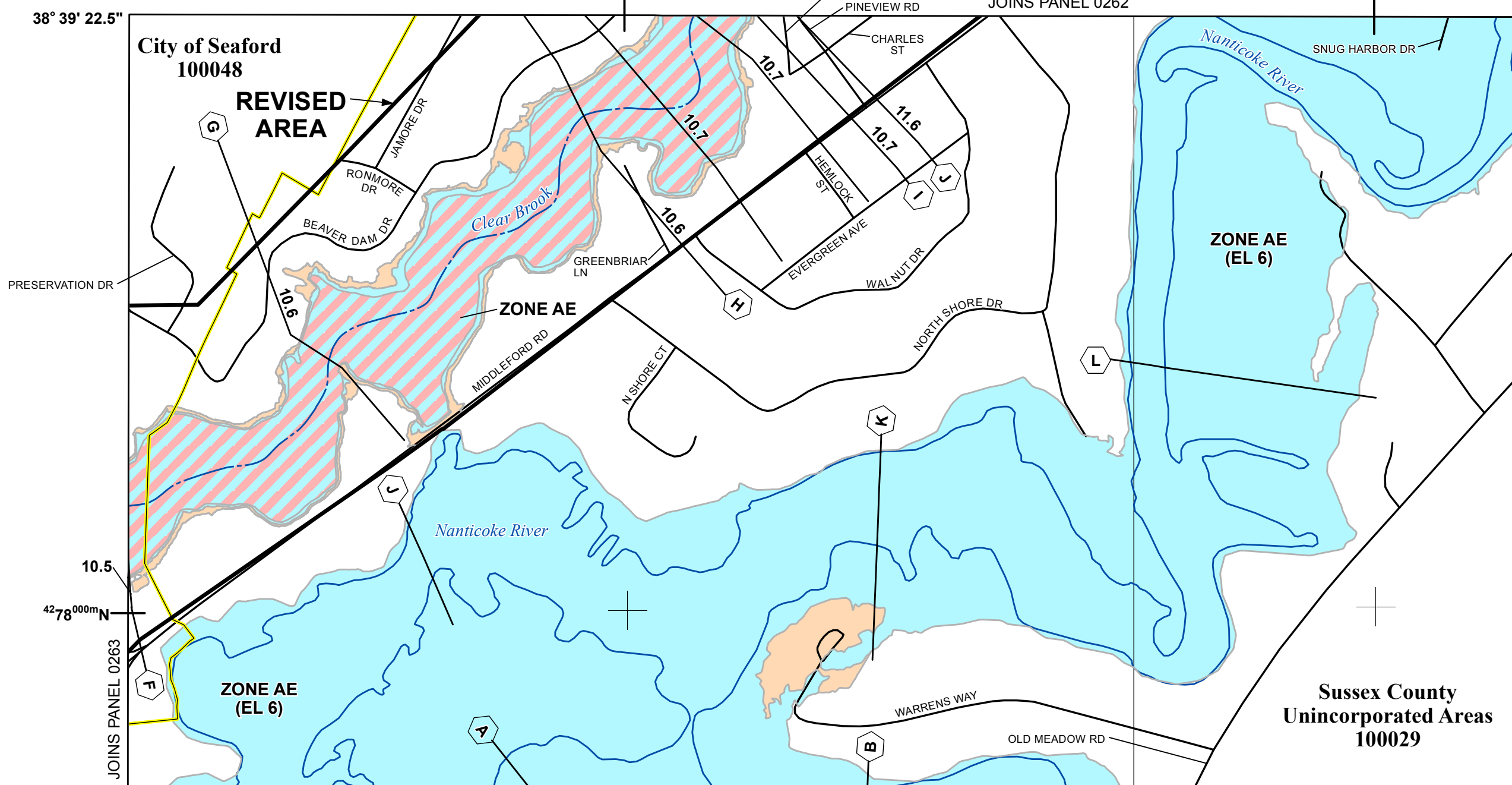
REVISED  
AREA

ZONE AE  
(EL 6)

ZONE AE  
(EL 6)

ZONE AE  
(EL 6)

Sussex County  
Unincorporated Areas  
100029



**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes. Zone X

**SCALE**

Map Projection:  
NAD 1983 StatePlane Delaware FIPS 0700 Feet;  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet      1:6,000

0 250 500 1,000 Feet  
0 75 150 300 Meters

**FEMA**  
National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP

**SUSSEX COUNTY, DELAWARE**  
and Incorporated Areas  
PANEL 264 of 660

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BLADES, TOWN OF	100031	0264	L
SEAFORD, CITY OF	100048	0264	L
SUSSEX COUNTY	100029	0264	L

**REVISED TO REFLECT LOMR EFFECTIVE: August 18, 2021**

VERSION NUMBER  
2.1.3.0  
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JUNE 20, 2018