

FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 3 OF 6



BURLINGTON COUNTY, NEW JERSEY (ALL JURISDICTIONS)

COMMUNITY NAME	NUMBER	COMMUNITY NAME	NUMBER
BASS RIVER, TOWNSHIP OF	340085	MEDFORD, TOWNSHIP OF	340104
BEVERLY, CITY OF	340086	MOORESTOWN, TOWNSHIP OF	340105
BORDENTOWN, CITY OF	340087	MOUNT HOLLY, TOWNSHIP OF	340106
BORDENTOWN, TOWNSHIP OF	340088	MOUNT LAUREL, TOWNSHIP OF	340107
BURLINGTON, CITY OF	345287	NEW HANOVER, TOWNSHIP OF	340108
BURLINGTON, TOWNSHIP OF	340090	NORTH HANOVER, TOWNSHIP OF	340109
CHESTERFIELD, TOWNSHIP OF	340091	PALMYRA, BOROUGH OF	340110
CINNAMINSON, TOWNSHIP OF	340092	PEMBERTON, BOROUGH OF	340111
DELANCO, TOWNSHIP OF	340093	PEMBERTON, TOWNSHIP OF	340112
DELTRAN, TOWNSHIP OF	340094	RIVERSIDE, TOWNSHIP OF	340113
EASTAMPTON, TOWNSHIP OF	340095	RIVERTON, BOROUGH OF	340114
EDGEWATER PARK, TOWNSHIP OF	340096	SHAMONG, TOWNSHIP OF	340534
EVESHAM, TOWNSHIP OF	340097	SOUTHAMPTON, TOWNSHIP OF	340115
FIELDSBORO, BOROUGH OF	340543	SPRINGFIELD, TOWNSHIP OF	340116
FLORENCE, TOWNSHIP OF	340098	TABERNACLE, TOWNSHIP OF	340533
HAINESPORT, TOWNSHIP OF	340099	WASHINGTON, TOWNSHIP OF	340117
LUMBERTON, TOWNSHIP OF	340100	WESTAMPTON, TOWNSHIP OF	340118
MANSFIELD, TOWNSHIP OF	340102	WILLINGBORO, TOWNSHIP OF	340119
MAPLE SHADE, TOWNSHIP OF	340101	WOODLAND, TOWNSHIP OF	340551
MEDFORD LAKES, BOROUGH OF	340103	WRIGHTSTOWN, BOROUGH OF	340120

REVISED:

TBD

PRELIMINARY
12/22/2017



FEMA

FLOOD INSURANCE STUDY NUMBER
34005CV003B

Version Number 2.3.3.2

NOTICE:

This preliminary FIS report includes only revised Flood Profiles and Floodway Data tables. See Section 1.2 Purpose of this Flood Insurance Study Report located in Volume 1.

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Barton Run Tributary 2	020 P
Barton Run Tributary 3	021-022 P
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Bisphams Mill Creek	025-026 P
Black Run	027-029 P
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Bobbys Run	035-036 P
Bread and Cheese Run	037-038 P
Budds Run	039 P
Burrs Mill Brook	040-041 P
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Springer Brook	194-195 P
Strawbridge Lake	196-197 P
Swede Run	198-202 P
Swede Run Tributary	203P
West Branch Wading River	204-207P

Published Separately

Flood Insurance Rate Map (FIRM)

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
HARTFORD ROAD TRIBUTARY								
A	591	38	71	6.9	17.4	11.1	11.1	0.0
B	686	79	512	1.0	17.4	16.7	16.8	0.1
C	721	120	726	0.5	17.4	16.8	16.9	0.1
D	1069	253	1707	0.2	17.4	16.8	16.9	0.1
E	1264	42	213	1.8	17.4	16.8	16.9	0.1
F	1625	23	124	3.1	17.4	17.0	17.1	0.1
G	1653	28	144	2.7	17.4	17.1	17.2	0.1
H	2028	16	76	5.3	18.1	18.1	18.2	0.1
I	2047	23	79	5.1	20.0	20.0	20.0	0.1
J	2123	20	83	4.8	20.3	20.3	20.3	0.0
K	2142	26	83	4.8	23.2	23.2	23.3	0.1
L	2224	15	70	5.8	23.6	23.6	23.7	0.1
M	2250	22	77	5.2	24.8	24.8	25.0	0.2
N	2442	18	85	4.7	25.8	25.8	25.9	0.1
O	2468	17	86	4.6	26.0	26.0	26.1	0.1
P	2549	11	59	6.8	26.1	26.1	26.2	0.1
Q	3008	53	210	1.9	35.4	35.4	35.5	0.2
R	3354	16	51	2.9	35.5	35.5	35.7	0.2
S	3407	12	43	3.4	35.6	35.6	35.7	0.1
T	3488	13	36	4.1	35.9	35.9	36.0	0.2

¹Feet above confluence with Parker's Creek

TABLE 24	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	BURLINGTON COUNTY, NEW JERSEY	
	(ALL JURISDICTIONS)	HARTFORD ROAD TRIBUTARY

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

[Not Applicable to this Flood Risk Project]

6.4 Coastal Flood Hazard Mapping

Flood insurance zones and BFEs including the wave effects were identified on each transect based on the results from the onshore wave hazard analyses. Between transects, elevations were interpolated using topographic maps, land-use and land-cover data, and knowledge of coastal flood processes to determine the aerial extent of flooding. Sources for topographic data are shown in Table 23.

Zone VE is subdivided into elevation zones and BFEs are provided on the FIRM.

The limit of Zone VE shown on the FIRM is defined as the farthest inland extent of any of these criteria (determined for the 1% annual chance flood condition):

- The *primary frontal dune zone* is defined in 44 CFR Section 59.1 of the NFIP regulations. The primary frontal dune represents a continuous or nearly continuous mound or ridge of sand with relatively steep seaward and landward slopes that occur immediately landward and adjacent to the beach. The primary frontal dune zone is subject to erosion and overtopping from high tides and waves during major coastal storms. The inland limit of the primary frontal dune zone occurs at the point where there is a distinct change from a relatively steep slope to a relatively mild slope.
- The *wave runup zone* occurs where the (eroded) ground profile is 3.0 feet or more below the 2-percent wave runup elevation.
- The *wave overtopping splash zone* is the area landward of the crest of an overtopped barrier, in cases where the potential 2-percent wave runup exceeds the barrier crest elevation by 3.0 feet or more.
- The *breaking wave height zone* occurs where 3-foot or greater wave heights could occur (this is the area where the wave crest profile is 2.1 feet or more above the total stillwater elevation).
- The *high-velocity flow zone* is landward of the overtopping splash zone (or area on a sloping beach or other shore type), where the product of depth of flow times the flow velocity squared (hv^2) is greater than or equal to $200 \text{ ft}^3/\text{sec}^2$. This zone may only be used on the Pacific Coast.

The SFHA boundary indicates the limit of SFHAs shown on the FIRM as either “V” zones or “A” zones.

Table 26 indicates the coastal analyses used for floodplain mapping and the criteria used to determine the inland limit of the open-coast Zone VE and the SFHA boundary at each transect.

Table 26: Summary of Coastal Transect Mapping Considerations

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD 88)	Zone Designation and BFE (ft NAVD 88)		
1		N/A	VE 12-13 AE 9-12	Wave Height	SWEL
2		N/A	VE 12-13 AE 9-12	Wave Height	SWEL

A LiMWA boundary has also been added in coastal areas subject to wave action for use by local communities in safe rebuilding practices. The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave.

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 to FIS projects 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. A LOMA cannot be issued for properties located on the PFD (primary frontal dune).

To obtain an application for a LOMA, visit www.fema.gov/floodplain-management/letter-map-amendment-loma 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 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 www.fema.gov/floodplain-management/letter-map-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 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 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 Burlington 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)
16-02-0032P	08/15/2016	Unnamed Tributary to Sharps Run	34005C0262F
14-02-2411P	06/15/2015	Unnamed Tributary to Sharps Run	34005C0261F, 34005C0262F
00-02-015P	04/05/2001	Barton Run Tributary 2	34005C0376F
96-02-055P	01/11/1996	N/A (road name updates)	34005C0244F, 34005C0357F
95-02-045P	04/21/1995	Assiscunk Creek	34005C0129F

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 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 to learn more about the CNMS or contact the FEMA Regional Office listed in Section 8 of this FISReport.

6.5.6 Community Map History

The current FIRM presents flooding information for the entire geographic area of Burlington County. The remaining portions of the Townships and other jurisdictions in Burlington County will be updated in the near future. 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 28, “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.

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)
Bass River, Township of	05/10/1974	05/10/1974	06/25/1976	04/04/1983	07/15/1992 12/21/2017
Beverly, City of	06/21/1974	06/21/1974	06/04/1976 11/12/1976	12/23/1977	02/05/1992 12/21/2017

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)
Bordentown, City of	12/20/1974	12/20/1974	05/28/1976	02/17/1982	12/15/1989 12/21/2017
Bordentown, Township of	06/28/1974	06/28/1974	03/19/1976	04/15/1982	02/02/1990 12/21/2017
Burlington, City of	07/23/1971	07/23/1971	N/A	07/23/1971	07/01/1974 02/20/1976 07/29/1977 11/15/1985 01/02/1987 12/21/2017
Burlington, Township of	06/28/1974	06/28/1974	03/19/1976	02/17/1982	12/15/1989 12/21/2017
Chesterfield, Township of	06/28/1974	06/28/1974	N/A	01/21/1983	12/21/2017
Cinnaminson, Township of	05/11/1973	05/11/1973	N/A	05/15/1978	11/20/1991 12/21/2017
Delanco, Township of	06/21/1974	06/21/1974	06/11/1976	09/28/1979	12/21/2017
Delran, Township of	11/23/1973	11/23/1973	N/A	05/02/1977	12/05/1995 12/21/2017
Eastampton, Township of	10/05/1973	10/05/1973	02/07/1975	09/14/1979	12/21/2017
Edgewater Park, Township of	04/15/1992	N/A	N/A	04/15/1992	12/21/2017
Evesham, Township of	05/31/1974	05/31/1974	02/27/1976	09/01/1983	03/02/1995 12/21/2017
Fieldsboro, Borough of	11/29/1974	11/29/1974	10/03/1975	06/15/1981	05/03/1990 12/21/2017
Florence, Township of	06/28/1974	06/28/1974	03/05/1976	03/01/1982	01/17/1990 12/21/2017
Hainesport, Township of	07/30/1976	07/30/1976	N/A	07/16/1979	12/21/2017
Lumberton, Township of	04/05/1974	04/05/1974	09/26/1975	08/15/1983	12/21/2017
Mansfield, Township of	07/26/1974	07/26/1974	10/15/1976	03/18/1983	05/02/1991 12/21/2017

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)
Maple Shade, Township of	03/15/1974	03/15/1974	04/16/1976	12/18/1979	12/21/2017
Medford Lakes, Borough of	05/31/1974	05/31/1974	04/23/1976	06/01/1981	12/21/2017
Medford, Township of	02/01/1974	02/01/1974	07/01/1977	08/15/1983	12/21/2017
Moorestown, Township of	03/16/1973	03/16/1973	N/A	09/15/1978	09/04/1991 01/19/1996 12/21/2017
Mount Holly, Township of	04/20/1973	04/20/1973	11/19/1976	08/01/1979	12/21/2017
Mount Laurel, Township of	01/09/1974	01/09/1974	08/06/1976	03/02/1981	03/01/1984 10/16/1987 09/22/1999 12/21/2017
New Hanover, Township of	08/09/1974	08/09/1974	N/A	05/11/1979	12/21/2017
North Hanover, Township of	07/19/1974	07/19/1974	04/02/1976	08/03/1979	12/21/2017
Palmyra, Borough of	03/15/1974	03/15/1974	N/A	06/01/1978	05/04/1992 12/21/2017
Pemberton, Borough of	08/20/1976	08/20/1976	12/10/1976	09/14/1979	12/21/2017
Pemberton, Township of	12/13/1974	12/13/1974	N/A	03/04/1980	12/21/2017
Riverside, Township of	02/11/1977	02/11/1977	N/A	07/02/1979	12/21/2017
Riverton, Borough of	12/28/1973	12/28/1973	12/27/1974	04/15/1977	08/19/1991 12/21/2017
Shamong, Township of	12/20/1974	12/20/1974	07/23/1976	06/15/1979	12/21/2017
Southampton, Township of	01/09/1974	01/09/1974	09/17/1976	03/04/1980	12/21/2017
Springfield, Township of	07/26/1974	07/26/1974	05/28/1976	01/28/1983	12/21/2017
Tabernacle, Township of	02/07/1975	02/07/1975	N/A	04/15/1992	12/21/2017
Washington, Township of	07/26/1974	07/26/1974	06/25/1976	12/15/1981	12/21/2017

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)
Westampton, Township of	06/28/1974	06/28/1974	07/16/1976	02/15/1980	12/21/2017
Willingboro, Township of	11/30/1973	11/30/1973	N/A	07/02/1979	12/21/2017
Woodland, Township of	04/25/1975	04/25/1975	N/A	01/20/1982	12/21/2017
Wrightstown, Borough of	06/28/1974	06/28/1974	N/A	05/11/1979	12/21/2017

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
Alder Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Alder Run Tributaries	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Annaricken Brook	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Springfield
Arnold Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bass River

RAMPP = Risk Assessment, Mapping, and Planning Partners. A joint venture of Dewberry, AECOM (formerly URS), and ESP.

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Assiscunk Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Springfield
Assiscunk Creek (Zone AE)	01/02/1987	URS Company, Inc.	H-6808	December 1981	City of Burlington
Assiscunk Creek (Zone AE)	12/15/1989	USACE, Philadelphia District	Not Specified	April 1988	Township of Burlington
Assiscunk Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Burlington, Mansfield and Springfield
Assiscunk Creek Tributary	08/1979	NJDEP	H-3959	May 1978	Townships of Springfield and Westampton
Assiscunk Creek Tributaries	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Florence, Mansfield, Springfield and Westampton
Bacons Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Mansfield
Baffin Brook (Zone AE)	03/04/1980	New Jersey Department of Environmental Protection (NJDEP), Division of Water Resources, Bureau of Floodplain Management	H-3959	July 1978	Township of Pemberton

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Baffin Brook (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Ballinger Run (Zone AE)	02/15/1983	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	March 1982	Township of Medford
Ballinger Run (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Medford, Township of Shamong
Ballinger Run Tributary (Zone AE)	02/15/1983	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	March 1982	Township of Medford
Ballinger Run Tributary (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Medford
Bard Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Shamong
Bard Branch Tributaries	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Shamong
Barkers Brook (Zone AE)	12/21/2017	T.Y. Lin International Medina	EMN-2003-CO-0005	March 2010	Township of Springfield

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Barkers Brook (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Springfield
Barkers Brook Unnamed Tributary (Zone AE)	12/21/2017	T.Y. Lin International Medina	EMN-2003-CO-0005	March 2010	Township of Springfield
Barkers Brook Unnamed Tributary (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Springfield
Barkers Brook Unnamed Tributary 1	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Springfield
Bartletts Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bass River
Barton Run	03/02/1995	USACE, Philadelphia District	EMW-92_E_3839, Project Order No. 5, Amendment No A	March 1982	Township of Evesham
Barton Run	02/15/1983	NJDEP	H-3959	March 1982	Township of Medford
Barton Run Tributary 1 (Zone AE)	03/02/1995	USACE, Philadelphia District	EMW-92_E_3839, Project Order No. 5, Amendment No A	March 1982	Township of Evesham
Barton Run Tributary 1 (Zone AE)	02/15/1983	NJDEP	H-3959	March 1982	Township of Medford
Barton Run Tributary 1 (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Evesham

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Barton Run Tributary 2 (Zone AE)	03/02/1995	USACE, Philadelphia District	EMW-92_E_3839, Project Order No. 5, Amendment No A	March 1982	Township of Evesham
Barton Run Tributary 2 (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Evesham
Barton Run Tributary 2A	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Medford
Barton Run Tributary 3	12/21/2017	Leonard Jackson Associates	EMN-2002-RP-0021	April 2005	Township of Evesham
Barton Run Tributary 3.1	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Evesham
Barton Run Tributary 3A	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Evesham
Bass River	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Bass River
Batsto River (Zone AE)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Washington
Batsto River (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Shamong, Township of Tabernacle

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Bear Swamp River	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Southampton
Beaver Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bass River
Beaver Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bass River
Beaverdam Creek (Zone AE)	12/21/2017	URS Group, Inc. and Dewberry & Davis	EMN-2000-CO-0247	November 2006	Township of Southampton
Beaverdam Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Southampton
Biddle Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Woodland
Bisphams Mill Creek (Zone AE)	07/20/1981	NJDEP	H-4546	April 1980	Township of Woodland
Bisphams Mill Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton, Township of Woodland
Black Run (Zone AE)	03/02/1995	NJDEP	H-3959	March 1982	Township of Evesham
Black Run (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Evesham

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Black Run Tributary (Zone AE)	03/02/1995	NJDEP	H-3959	March 1982	Township of Evesham
Black Run Tributary (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Evesham
Blacks Creek (Zone AE)	12/15/1989, 02/02/1990	NJDEP, Division of Water Resources	H-4623	March 1980	City of Bordentown, Township of Bordentown
Blacks Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Bordentown, Chesterfield, and Mansfield
Blue Lake Run (Zone AE)	02/15/1983	NJDEP	H-3959	March 1982	Township of Medford
Blue Lake Run (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Evesham and Medford
Bobbys Run (Zone AE)	02/15/1983	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	February 1982	Township of Lumberton
Bobbys Run (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Lumberton and Southampton
Boundary Creek	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Delran and Moorestown
Bread and Cheese Run (Zone AE)	04/15/1992	U.S. Geological Survey	EMW-85-E-1823, Project Order No. 23	January 1989	Township of Tabernacle

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Bread and Cheese Run (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Tabernacle
Breeches Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Washington and Woodland
Buck Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bass River
Bucks Cover Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Budds Run (Zone AE)	03/1979, 09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	June/July 1978	Borough of Pemberton, Township of Pemberton
Budds Run (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Pemberton, Township of Pemberton
Bull Creek	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Washington
Bulls Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Washington

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Burnt Bridge Spring	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Tabernacle
Burr Mills Brook (Zone AE)	07/20/1981	NJDEP	H-4546	April 1980	Township of Woodland
Burr Mills Brook (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Southampton and Woodland
Bustleton Creek (Zone AE)	01/17/1990	NJDEP, Division of Water Resources	H-4623	June 1980	Townships of Florence and Burlington
Bustleton Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Burlington and Florence
Buttonwood Lake	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Mount Holly
Buttonwood Run	02/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	June 1978	Township of Mount Holly
Cedar Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Southampton
Coares Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Cold Water Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Southampton and Tabernacle
Colliers Pond	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Chesterfield
Coopers Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Woodland
County Lake Tributary	09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	July 1978	Township of Pemberton
Crafts Creek (Zone AE)	05/02/1991	NJDEP, Division of Water Resources	H-4623	March 1988	Townships of Florence and Mansfield
Crafts Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Florence and Mansfield
Crafts Creek Tributary	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Florence
Cranberry Branch (Zone AE)	09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	July 1978	Township of Pemberton

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Cranberry Branch, Various Tributaries (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Cranberry Bog	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bass River
Cropwell Brook	12/21/2017	T.Y. Lin International Medina	EMN-2003-CO-0005	March 2010	Township of Evesham
Crosswick Creek	12/15/1989, 02/02/1990	USACE, Philadelphia District	EMW-89-E-2994, Project Order No. 1, Task Letter No. 2	April 1988	City of Bordentown and Township of Bordentown
Crosswick Creek	01/21/1983, 02/02/1990	NJDEP	Not Specified	March 1980	Townships of Bordentown and Chesterfield
Crosswick Creek	07/20/2016	Soil Conversation Service	IAA-H-9-76, Project Order No. 1	September 1977	Townships of Bordentown, Chesterfield and North Hanover
Crystal Lake	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Bordentown and Mansfield
Crystal Lake Tributary 1.1	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bordentown
Crystal Lake Tributary 2	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bordentown

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Dans Bridge Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bass River
Delaware River	Various Dates – See Bibliography	USACE, Philadelphia District	EMW-89-E-2994, Project Order No. 1, Task Letter No. 2	April 1988	Boroughs of Fieldsboro, Palmyra and Riverside; Cities of Beverly, Bordentown and Burlington, Townships of Bordentown, Burlington, Cinnaminson, Delanco, Delran, Edgewater Park, and Florence
East Branch Bass River (Zone AE)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Bass River
East Branch Bass River (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bass River
Evesboro Tributary	09/22/1999	USACE, Philadelphia District	H-7-76, Project Order No. 13	December 1978	Township of Mount Laurel
Featherbed Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Washington and Tabernacle
Fish Creek	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Bass River

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Friendship Creek (Zone AE)	12/21/2017	URS Group, Inc. in association with Dewberry and Davis	EMN-2000-CO-0247	11/2006	Township of Southampton
Friendship Creek (Zone AE)	04/15/1992	USGS	EMW-85-E-1823, Project Order No. 23	January 1989	Township of Tabernacle
Friendship Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Southampton
Friendship Creek Branch	09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	September 1978	Township of Southampton
Goldys Run	09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	July 1978	Borough of Pemberton, Township of Pemberton
Goldwater Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Woodland
Grubbs Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Westampton
Gum Spring	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Pemberton and Woodland
Hartford Road Tributary	09/22/1999	USACE, Philadelphia District	H-7-76, Project Order No. 13	December 1978	Township of Mount Laurel

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Haynes Creek	03/02/1995, 02/15/1983	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	March 1982	Townships of Evesham and Medford
Hockamik Creek and various unnamed tributaries	12/21/2017	RAMPP	HSFEHQ-09- D-0369, Task Order HSFE02-09- J-0001	September 2015	Township of New Hanover
Hooten Road Tributary	09/22/1999	USACE, Philadelphia District	H-7-76, Project Order No. 13	December 1978	Township of Mount Laurel
Horse Pond Stream	12/21/2017	RAMPP	HSFEHQ-09- D-0369, Task Order HSFE02-09- J-0001	September 2015	Township of Tabernacle
Hospitality Brook	12/21/2017	RAMPP	HSFEHQ-09- D-0369, Task Order HSFE02-09- J-0001	September 2015	Township of Washington
Indian Mills Brook	12/21/2017	Leonard Jackson Associates	EMN-2003- CO-0005	April 2005	Townships of Medford and Shamong
Indian Run (Zone AE)	09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	July 1978	Township of Pemberton
Indian Run (Zone A)	12/21/2017	RAMPP	HSFEHQ-09- D-0369, Task Order HSFE02-09- J-0001	September 2015	Townships of Pemberton and Springfield
Indian Run Tributary	12/21/2017	RAMPP	HSFEHQ-09- D-0369, Task Order HSFE02-09- J-0001	September 2015	Township of Pemberton

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Indian Run Tributary 1	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Indian Run Tributary 1.1	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Pemberton and Springfield
Indian Run Tributary 2	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Indian Run Tributary 3	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Ives Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Bass River
Jakes Run	11/20/1991	USACE	EMW-89-E-2994, Project Order No. 1, Task Letter No. 2	September 1989	Borough of Riverton, Township of Cinnaminson
Jade Run (Zone AE)	12/21/2017	URS Group, Inc. in association with Davis and Dewberry	EMN-2000-CO-0247	November 2006	Township of Southampton
Jade Run (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton and Southampton

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Jefferson Lake	09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	September 1978	Township of Pemberton
Jobs Creek	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Bass River
Kendles Run (Zone AE)	01/19/1996	USACE, Philadelphia District	IAA-H-19-74 and IAA-H-16-75, Project Order Nos. 17 and 6 with Amendment No. 3	September 1976	Township of Moorestown
Kendles Run (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Moorestown
Lake Absegami	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Bass River
Lake Migazee	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes
Lake Minonok	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes
Lake Mishe Mokwa	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Lake Mishe Mokwa Run	12/01/1980	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	June 1978	Borough of Medford Lakes
Lake Peshekee	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes
Lake Sioux	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes
Lake Siquitise	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes
Lake Wabassi	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes
Lake Wagush	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes
Lake Wauwaukashe	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes
Laurel Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Delran

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Laurel Run Tributary 1	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Delran
Little Creek (Zone AE)	09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	September 1978	Townships of Lumberton and Southampton
Little Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes, Townships of Medford and Southampton
Little Creek Tributary 4	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Southampton
Little Creek Tributary 5	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Medford
Little Creek Tributary 5.1	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Medford
Little Creek Tributary 6	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Medford
Little Haukin Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Washington

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Loveland Thorofare	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Bass River
Lower Pasture Creek	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Bass River
Masons Creek (Zone AE)	01/1979, 02/15/1983, 02/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	May 1978, February 1982, June 1978	Townships of Hainesport, Lumberton, and Mount Holly
Masons Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Lumberton
Mathis Thorofare	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Bass River
McDonalds Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Woodland
Merrygold Branch	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Township of Bass River
Mile Run	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Tabernacle and Washington

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Mill Creek (Zone AE)	08/1979, 01/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	May 1978	Townships of Burlington, Westampton and Willingboro
Mill Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Burlington, Westampton and Willingboro
Mill Creek South Branch (Zone AE)	01/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	May 1978	Township of Willingboro
Mill Creek South Branch (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Willingboro
Mill Creek Tributary	08/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	May 1978	Township of Westampton
Mill Creek Tributary 1 (Zone AE)	01/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	May 1978	Township of Willingboro
Mill Creek Tributary 1 (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Willingboro

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Mill Race	02/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	May 1978	Township of Mount Holly
Mimosa Lake	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Medford
Mimosa Lake Various Tributaries	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Medford
Mimosa Lake Run (Mimosa Lake) (Zone AE)	02/13/1983	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	March 1982	Township of Medford
Mimosa Lake Run, Various Tributaries (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Medford
Mirror Lake (Zone AE)	09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	July 1978	Township of Pemberton
Mirror Lake, Various Tributaries (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Mirror Lake Nos. 1, 2, and 3	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Borough of Medford Lakes

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Mount Holly By-Pass Channel	02/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	June 1978	Township of Mount Holly
Mount Misery Brook	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Pemberton and Woodland
Mount Misery Brook – North and South Branches	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Pemberton and Woodland
Mount Misery Creek (Zone AE)	09/1979	NJDEP, Division of Water Resources, Bureau of Floodplain Management	H-3959	July 1978	Township of Pemberton
Mount Misery Creek (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Pemberton
Mullica River and Various Tributaries	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-12-J-0065	April 2014	Townships of Bass River and Washington
Muskingum Brook (Zone AE)	12/21/2017	Leonard Jackson Associate	EMB-1999-CO-0563	April 2005	Townships of Shamong and Tabernacle
Muskingum Brook (Zone A)	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Townships of Shamong and Tabernacle
Muskingum Brook Various Tributaries	12/21/2017	RAMPP	HSFEHQ-09-D-0369, Task Order HSFE02-09-J-0001	September 2015	Township of Tabernacle