FLOOD INSURANCE STUDY

VOLUME 2 OF 6

BERGEN COUNTY, NEW JERSEY
(ALL JURISDICTIONS)

COMMUNITY NAME	COMMUNITY NUMBER
ALLENDALE, BOROUGH OF	340019
ALPINE, BOROUGH OF*	340581
BERGENFIELD, BOROUGH OF	340020
BOGOTA, BOROUGH OF	340021
CARLSTADT, BOROUGH OF	340022
CLIFFSIDE PARK, BOROUGH OF*	340582
CLOSTER, BOROUGH OF	340023
CRESSKILL, BOROUGH OF	340024
DEMAREST, BOROUGH OF	340025
DUMONT, BOROUGH OF	340026
EAST RUTHERFORD, BOROUGH OF	340028
EDGEWATER, BOROUGH OF	340029
ELMWOOD PARK, BOROUGH OF	340500
EMERSON, BOROUGH OF	340030
ENGLEWOOD, CITY OF	340031
ENGLEWOOD CLIFFS, BOROUGH OF*	340580
FAIR LAWN, BOROUGH OF	340033
FAIRVIEW, BOROUGH OF	340034
FORT LEE, BOROUGH OF*	340035
FRANKLIN LAKES, BOROUGH OF	340036
GARFIELD, CITY OF	340037
GLEN ROCK, BOROUGH OF	340038
HACKENSACK, CITY OF	340039
HARRINGTON PARK, BOROUGH OF	340040
HASBROUCK HEIGHTS, BOROUGH OF	340041
HAWORTH, BOROUGH OF	340042
HILLSDALE, BOROUGH OF	340043
HO-HO-KUS, BOROUGH OF	340044
LEONIA, BOROUGH OF	340045
LITTLE FERRY, BOROUGH OF	340046
LODI, BOROUGH OF	340047
LYNDHURST, TOWNSHIP OF	340048
MAHWAH, TOWNSHIP OF	340049
MAYWOOD, BOROUGH OF	340050
MIDLAND PARK, BOROUGH OF	340051
MONTVALE, BOROUGH OF	340052
MOONACHIE, BOROUGH OF	340053
NEW JERSEY MEADOWLANDS COMMISSION	340570
NEW MILFORD, BOROUGH OF	340054
NORTH ARLINGTON, BOROUGH OF	340055
NORTHVALE, BOROUGH OF	340056
NORWOOD, BOROUGH OF	340057
OAKLAND, BOROUGH OF	345309
OLD TAPPAN, BOROUGH OF	340059
ORADELL, BOROUGH OF	340060
PALISADES PARK, BOROUGH OF	340061
PARAMUS, BOROUGH OF	340062
PARK RIDGE, BOROUGH OF	340063
RAMSEY, BOROUGH OF	340064
RIDGEFIELD, BOROUGH OF	340065
RIDGEFIELD PARK, VILLAGE OF	340066
RIDGEWOOD, VILLAGE OF	340067
RIVER EDGE, BOROUGH OF	340068
RIVER VALE, TOWNSHIP OF	340069
ROCHELLE PARK, TOWNSHIP OF	340070
ROCKLEIGH, BOROUGH OF	340071
RUTHERFORD, BOROUGH OF	340072
SADDLE BROOK, TOWNSHIP OF	340074
SADDLE RIVER, BOROUGH OF	340073
SOUTH HACKENSACK, TOWNSHIP OF	340515
TEANECK, TOWNSHIP OF	340075
TENAFLY, BOROUGH OF	340076
TETERBORO, BOROUGH OF*	340537
UPPER SADDLE RIVER, BOROUGH OF	340077
WALDWICK, BOROUGH OF	340078
WALLINGTON, BOROUGH OF	340079
WASHINGTON, TOWNSHIP OF	340080
WESTWOOD, BOROUGH OF	340081
WOODCLIFF LAKE, BOROUGH OF	340082
WOOD-RIDGE, BOROUGH OF	340083
WYCKOFF, TOWNSHIP OF	340084

*No Special Flood Hazard Areas

REVISED:
AUGUST 28, 2019

FLOOD INSURANCE STUDY NUMBER
34003CV002B

NOTICE TO
FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program (NFIP) have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all available data. It is advisable to contact the FEMA Library for any additional data.

Part or all of this FIS may be revised and republished at any time. In addition, part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository or the FEMA Map Service Center to obtain the most current FIS components.

Initial Countywide FIS Effective Date: September 20, 1995

Revised Countywide FIS Dates:

December 8, 1998 - to add Base Flood Elevations and Special Flood Hazard Areas; and to update Base Flood elevations, Special Flood Hazard Areas, and zone designations.

September 30, 2005 - to update Base Flood Elevations and Special Flood Hazard Areas; and to reflect updated topographic information.

August 28, 2019 – to update Base Flood Elevations and Special Flood Hazard Areas; and to change vertical datum to NAVD88.

REVISED:
AUGUST 28, 2019

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Flood Insurance Rate Map

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Allendale Brook								
A	640[1]	65	201	3.3	240.9	240.9	240.9	0.0
B	1,160[1]	29	99	6.6	242.7	242.7	242.9	0.2
C	1,740[1]	145	229	2.5	247.3	247.3	247.5	0.2
D	2,520[1]	122	273	2.1	253.9	253.9	253.9	0.0
E	3,410[1]	70	97	6.0	258.5	258.5	258.5	0.0
F	3,860[1]	186	1,187	0.4	267.3	267.3	267.3	0.0
G	4,830[1]	78	274	1.9	267.4	267.4	267.5	0.1
H	5,310[1]	35	99	5.9	270.8	270.8	270.8	0.0
I	5,540[1]	80	203	2.9	271.6	271.6	271.7	0.1
J	6,800[1]	460	3,296	0.1	272.6	272.6	272.8	0.2
K	7,710[1]	545	4,249	0.1	272.6	272.6	272.8	0.2
L	8,760[1]	490	1,840	0.2	272.6	272.6	272.8	0.2
M	9,710[1]	400	1,642	0.2	272.6	272.6	272.8	0.2
N	10,960[1]	67	160	2.1	272.7	272.7	272.9	0.2
O	11,310[1]	24	79	4.2	273.2	273.2	273.4	0.2
P	11,970[1]	62	67	5.0	279.8	279.8	279.8	0.0
Allerman Brook								
A	30[2]	38	165	3.8	225.1	225.1	225.1	0.0
B	235[2]	19	61	10.2	226.3	226.3	226.3	0.0
C	820[2]	26	69	9.2	236.6	236.6	236.6	0.0
D	1,620[2]	24	67	9.4	254.0	254.0	254.0	0.0
E	1,955[2]	30	71	8.9	259.8	259.8	259.8	0.0

[1] Feet above confluence with Ho-Ho-Kus Brook
[2] Feet above confluence with Crystal Lake

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

ALLENDALE BROOK-ALLERMAN BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Allerman Brook (continued)								
F	3,375	*	*	*	281.2	*	*	*
G	4,545	*	*	*	300.2	*	*	*
H	4,770	*	*	*	314.3	*	*	*
I	5,920	*	*	*	321.1	*	*	*
J	7,260	*	*	*	322.4	*	*	*
Pond Brook[2]								
K	7,467	52	144	7.6	327.0	327.0	327.1	0.1
L	8,024	41	249	4.4	331.7	331.7	331.9	0.2
M	8,444	30	105	10.5	335.5	335.5	335.6	0.1
N	8,848	27	48	7.6	341.5	341.5	341.5	0.0
O	9,685	124	628	0.6	369.5	369.5	369.5	0.0
P	11,515	29	42	7.1	388.1	388.1	388.1	0.0
Q	12,441	50	156	1.9	392.4	392.4	392.4	0.0
R	15,810	33	123	2.4	407.4	407.4	407.5	0.1
S	17,600	31	138	2.2	409.0	409.0	409.1	0.1
T	19,690	34	75	2.3	410.5	410.5	410.6	0.1
U	20,710	87	408	0.4	417.1	417.1	417.3	0.2

[1] Feet above confluence with Crystal Lake
[2] Pond Brook listed here as an extension of Allerman Brook
*Data not available

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

ALLERMAN BROOK- POND BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Bear Brook								
A	404	38	99	9.0	101.2	101.2	101.2	0.0
B	776	33	114	7.8	106.0	106.0	106.0	0.0
C	1,044	18	76	11.7	111.0	111.0	111.1	0.1
D	1,394	24	86	10.4	119.9	119.9	119.9	0.0
E	1,637	28	99	8.9	125.8	125.8	125.8	0.0
F	1,701	37	243	3.7	133.3	133.3	133.3	0.0
G	1,986	45	125	7.1	134.9	134.9	134.9	0.0
H	2,159	31	99	9.0	140.0	140.0	140.0	0.0
I	2,482	26	87	10.2	146.5	146.5	146.6	0.1
J	2,883	19	82	10.9	155.4	155.4	155.5	0.1
K	3,340	28	93	9.5	163.7	163.7	163.8	0.1
L	3,466	22	82	10.8	166.8	166.8	166.8	0.0
M	4,112	28	87	10.2	183.8	183.8	183.8	0.0
N	4,294	25	86	10.3	187.7	187.7	187.9	0.2
O	4,740	24	85	10.4	201.5	201.5	201.5	0.0
P	5,921	19	77	11.5	229.6	229.6	229.7	0.1
Q	6,469	42	93	9.6	247.8	247.8	247.8	0.0
R	6,672	40	98	9.0	252.5	252.5	252.5	0.0
S	7,282	28	113	7.8	262.1	262.1	262.2	0.1

[1] Feet above confluence with Pascack Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

BEAR BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Bear Brook (continued)								
T	7,430	30	97	5.4	267.3	267.3	267.3	0.0
U	7,653	23	68	7.7	268.9	268.9	268.9	0.0
V	9,342	24	74	7.1	293.0	293.0	293.2	0.2
W	10,595	21	59	8.8	307.1	307.1	307.2	0.1
X	10,820	27	109	4.8	309.9	309.9	310.0	0.1
Y	10,847	119	449	1.2	312.6	312.6	312.6	0.0
Z	11,085	120	128	4.1	312.5	312.5	312.5	0.0
AA	11,146	46	79	6.7	312.6	312.6	312.6	0.0
AB	11,345	68	110	4.8	315.0	315.0	315.0	0.0
AC	11,496	28	102	5.1	316.0	316.0	316.1	0.1
AD	11,634	29	95	4.6	316.5	316.5	316.6	0.1
AE	11,884	86	115	3.8	317.8	317.8	318.0	0.2
AF	12,010	74	107	4.1	319.1	319.1	319.2	0.1
AG	12,337	52	75	5.9	323.7	323.7	323.7	0.0
AH	12,388	65	103	4.3	325.5	325.5	325.5	0.0
AI	12,556	20	50	8.8	326.5	326.5	326.5	0.0
AJ	12,621	37	74	6.0	328.1	328.1	328.1	0.0
AK	12,941	67	83	5.3	331.0	331.0	331.2	0.2
AL	13,950	25	56	7.8	344.5	344.5	344.7	0.2
AM	14,385	20	55	8.1	355.3	355.3	355.4	0.1
AN	15,792	24	54	2.8	384.5	384.5	384.5	0.0
AO	15,997	25	87	1.7	389.3	389.3	389.3	0.0
AP	16,150	19	66	2.3	389.4	389.4	389.5	0.0
AQ	16,577	17	23	6.7	394.2	394.2	394.2	0.0

[1] Feet above confluence with Pascack Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

BEAR BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Beaver Dam Brook								
A	470[1]	54	280	1.0	48.8	45.4[3]	45.6	0.2
B	630[1]	24	126	2.4	48.9	45.8[3]	46.0	0.2
C	1,305[1]	49	179	1.7	49.2	46.2[3]	46.4	0.2
D	2,025[1]	23	125	2.4	49.5	46.6[3]	46.8	0.2
E	2,480[1]	20	72	4.2	49.8	47.0[3]	47.2	0.2
F	2,720[1]	44	119	2.5	49.9	47.9[3]	48.1	0.2
G	3,510[1]	232	1,031	0.3	50.5	50.5	50.7	0.2
H	4,010[1]	318	692	0.4	50.5	50.5	50.7	0.2
I	4,470[1]	72	141	2.1	50.6	50.6	50.8	0.2
Behnke Brook								
A	50[2]	133	231	3.2	30.7	30.7	30.9	0.2
B	220[2]	161	358	2.1	31.5	31.5	31.6	0.1
C	610[2]	144	463	1.6	32.0	32.0	32.1	0.1
D	1,180[2]	201	652	1.1	32.3	32.3	32.4	0.1
E	1,890[2]	150	261	2.8	33.9	33.9	34.0	0.1
F	2,189[2]	166	243	3.0	35.1	35.1	35.1	0.0
G	3,235[2]	23	72	10.1	40.1	40.1	40.1	0.0
H	3,770[2]	63	194	3.8	42.9	42.9	43.1	0.2
I	4,290[2]	30	114	6.5	46.2	46.2	46.2	0.0
J	4,775[2]	43	117	6.3	51.4	51.4	51.4	0.0
K	5,120[2]	69	187	3.9	53.1	53.1	53.3	0.2

[1] Feet above confluence with Saddle River
[2] Feet above confluence with Herring Brook
[3] Elevation computed without consideration of backwater effects from Saddle River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

BEAVER DAM BROOK-BEHNKE BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Behnke Brook (continued)								
L	5,500[1]	65	155	4.8	55.4	55.4	55.6	0.2
M	5,573[1]	68	199	3.7	56.3	56.3	56.4	0.1
N	5,945[1]	126	377	2.0	57.3	57.3	57.5	0.2
Blanch Brook								
A	330[2]	50	110	3.0	24.8	24.8	25.0	0.2
B	1,100[2]	28	70	4.7	27.0	27.0	27.1	0.1
C	1,615[2]	33	147	2.2	34.1	34.1	34.1	0.0
D	2,490[2]	34	74	4.4	34.6	34.6	34.8	0.2
E	2,65[2]	35	99	3.3	38.6	38.6	38.6	0.0
F	3,410[2]	150	334	1.0	39.1	39.1	39.3	0.2
G	4,000[2]	150	719	0.5	39.1	39.1	39.3	0.2
H	4,240[2]	71	423	0.8	39.1	39.1	39.3	0.2
I	4,342[2]	42	317	1.0	39.1	39.1	39.3	0.2
J	5,260[2]	52	169	1.9	39.2	39.2	39.4	0.2
Charlies Creek								
A	125[3]	25	49	4.7	78.6	78.6	78.6	0.0
B	210[3]	26	102	2.8	81.4	81.4	81.4	0.0
C	510[3]	47	215	1.3	83.2	83.2	83.2	0.0
D	750[3]	26	89	3.2	83.2	83.2	83.2	0.0
E	1,095[3]	55	126	2.3	84.9	84.9	84.9	0.0
F	1,455[3]	35	68	4.2	86.2	86.2	86.3	0.1

[1] Feet above confluence with Herring Brook
[2] Feet above confluence with Hackensack River
[3] Feet above Borough of Haworth corporate limits

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

BEHNKE BROOK-BLANCH BROOK-CHARLIES CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Cherry Brook								
A	230	100	154	2.8	41.5	34.6[2]	34.6	0.0
B	1,200	135	158	2.7	41.5	38.3[2]	38.4	0.1
C	1,850	160	176	2.4	41.5	41.5	41.7	0.2
E	2,990	90	117	3.7	49.3	49.3	49.3	0.0
F	3,690	52	98	4.4	55.0	55.0	55.1	0.1
G	4,280	20	60	7.1	62.2	62.2	62.2	0.0
H	4,980	112	458	0.9	75.0	75.0	75.0	0.0
I	5,390	20	49	8.8	81.1	81.1	81.1	0.0
J	5,740	34	116	3.7	87.7	87.7	87.7	0.0
K	6,570	40	57	7.6	102.8	102.8	102.8	0.0
L	6,930	40	46	6.9	107.3	107.3	107.3	0.0
M	7,590	27	48	6.6	118.1	118.1	118.1	0.0
N	7,950	27	40	7.9	126.2	126.2	126.2	0.0
O	9,350	35	59	5.5	143.7	143.7	143.7	0.0
P	9,930	32	84	3.8	146.5	146.5	146.6	0.1
Q	10,250	32	98	3.3	149.6	149.6	149.6	0.0
R	11,390	36	41	7.9	164.8	164.8	164.8	0.0
S	11,750	42	43	7.4	171.2	171.2	171.2	0.0
T	12,680	24	41	7.8	188.8	188.8	188.8	0.0
U	13,280	50	114	2.8	192.3	192.3	192.4	0.1
V	14,700	60	180	1.8	195.9	195.9	196.0	0.1

[1] Feet above confluence with Hackensack River

[2] Elevation computed without consideration of backwater effects from Hackensack River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

CHERRY BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Coalberg Brook								
A	720	20	92	5.1	41.4	41.4	41.6	0.2
B	820	23	138	3.4	41.4	41.4	41.6	0.2
C	1,240	47	133	3.5	41.4	41.4	41.6	0.2
D	1,600	78	196	2.4	41.4	41.4	41.6	0.2
E	*	*	*	*	*	*	*	*
F	*	*	*	*	*	*	*	*
G	*	*	*	*	*	*	*	*
H	*	*	*	*	*	*	*	*
I	*	*	*	*	*	*	*	*
J	*	*	*	*	*	*	*	*
K	*	*	*	*	*	*	*	*
L	*	*	*	*	*	*	*	*
M	*	*	*	*	*	*	*	*
N	*	*	*	*	*	*	*	*
O	*	*	*	*	*	*	*	*
P	*	*	*	*	*	*	*	*
Q	*	*	*	*	*	*	*	*
R	*	*	*	*	*	*	*	*
Coalberg Brook Tributary	*	*	*	*	*	*	*	*

[1] Feet above confluence with Saddle River

* Data not available (Sections not shown on FIRM)

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

COALBERG BROOK-COALBERG BROOK TRIBUTARY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Coles Brook								
A	65	86	419	4.5	7.9	3.8[2]	4.0	0.2
B	730	76	494	3.8	7.9	4.5[2]	4.6	0.1
C	1,335	42	245	7.8	7.9	4.6[2]	4.7	0.1
D	1,720	140	474	4.0	7.9	6.1[2]	6.1	0.0
E	2,120	80	399	4.8	7.9	6.8[2]	6.9	0.1
F	2,470	58	333	5.7	7.9	7.4[2]	7.5	0.1
G	2,790	39	263	7.2	9.8	9.8	9.8	0.0
H	2,970	92	361	5.3	10.0	10.0	10.2	0.2
I	3,220	116	524	3.6	11.2	11.2	11.3	0.1
J	3,850	66	426	4.5	12.8	12.8	12.9	0.1
K	4,020	78	361	5.3	13.7	13.7	13.8	0.1
L	4,610	81	492	3.9	15.0	15.0	15.1	0.1
M	4,900	67	202	4.1	15.1	*	*	*
N	5,400	28	104	8.0	15.1	*	*	*
O	6,240	55	191	4.4	17.2	17.2	17.3	0.1
P	6,845	50	182	4.6	18.4	18.4	18.6	0.2
Q	7,475	44	126	6.6	20.3	20.3	20.5	0.2
R	8,946	86	257	3.0	29.5	29.5	29.6	0.1
S	9,745	134	587	1.2	30.2	30.2	30.4	0.2
T	10,715	195	765	0.9	30.5	30.5	30.6	0.1
U	11,707	125	345	2.1	33.8	33.8	33.9	0.1
V	12,619	120	465	1.7	37.7	37.7	37.9	0.2
W	13,308	122	495	1.3	37.9	37.9	38.1	0.2

[1] Feet above confluence with Hackensack River
[2] Computed without consideration of the backwater effects from Hackensack River
* Data not available

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

COLES BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Coles Brook (continued)								
X	14,174[1]	144	557	1.1	38.2	38.2	38.4	0.2
Y	15,428[1]	185	908	0.1	39.0	39.0	39.2	0.2
Z	16,503[1]	188	998	0.1	39.0	39.0	39.2	0.2
AA	17,450[1]	267	1,023	0.1	39.0	39.0	39.2	0.2
Cresskill Brook								
A	650[2]	56	294	3.4	38.9	38.9	39.0	0.1
B	950[2]	59	319	3.1	39.4	39.4	39.4	0.0
C	1,350[2]	91	313	3.2	39.9	39.9	40.0	0.1
D	1,625[2]	97	450	2.2	40.4	40.4	40.5	0.1
E	1,900[2]	97	477	2.1	42.0	42.0	42.1	0.1
F	2,200[2]	97	375	2.7	42.0	42.0	42.1	0.1
G	2,535[2]	96	357	2.8	42.2	42.2	42.4	0.2
H	2,810[2]	96	233	4.3	42.2	42.2	42.4	0.2
I	3,300[2]	78	222	4.5	43.3	43.3	43.5	0.2
J	3,800[2]	40	103	9.7	46.0	46.0	46.0	0.0
Darlington Brook Tributary								
A	1,550[3]	30	63	2.7	328.6	328.6	328.7	0.1
B	1,890[3]	45	103	1.7	329.6	329.6	329.7	0.1
C	2,380[3]	14	23	7.3	332.0	332.0	332.0	0.0
D	2,430[3]	14	40	4.2	333.5	333.5	333.6	0.1

[1] Feet above confluence with Hackensack River
[2] Feet above confluence with Tenakill Brook
[3] Feet above Borough of Ramsey corporate limits

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

COLES BROOK-CRESSKILL BROOK-DARLINGTON BROOK TRIBUTARY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Darlington Brook Tributary (continued)								
E	2,900[1]	60	70	2.8	335.6	335.6	335.8	0.2
F	3,750[1]	33	77	2.1	338.9	338.9	339.1	0.2
G	3,800[1]	24	113	1.4	339.0	339.0	339.1	0.1
H	3,900[1]	33	100	1.8	339.2	339.2	339.4	0.2
I	4,325[1]	8	18	8.7	339.7	339.7	339.7	0.0
J	4,425[1]	45	254	0.8	341.1	341.1	341.1	0.0
K	4,900[1]	20	35	4.6	341.5	341.5	341.7	0.2
L	4,950[1]	24	55	2.9	342.3	342.3	342.4	0.1
M	5,400[1]	40	58	3.1	346.5	346.5	346.7	0.2
Deep Voll Brook								
A	0[2]	33	103	7.5	203.7	203.7	203.9	0.2
B	750[2]	25	89	8.7	218.8	218.8	218.8	0.0
C	1,960[2]	33	84	9.2	258.6	258.6	258.6	0.0
D	3,270[2]	23	75	10.3	318.6	318.6	318.6	0.0
E	3,900[2]	55	201	3.9	321.2	321.2	321.2	0.0
F	4,540[2]	60	116	6.7	322.6	322.6	322.6	0.0
G	4,780[2]	100	507	1.5	326.4	326.4	326.4	0.0
H	5,170[2]	120	721	1.1	326.5	326.5	326.5	0.0
I	5,370[2]	120	991	0.8	326.5	326.5	326.5	0.0
J	5,660[2]	120	419	1.8	326.5	326.5	326.5	0.0
K	6,300[2]	23	118	6.6	326.9	326.9	327.0	0.1

[1] Feet above Borough of Ramsey corporate limits
[2] Feet above county Boundary

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

DARLINGTON BROOK TRIBUTARY-DEEP VOLL BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Demarest Avenue Tributary								
A	1,120[2]	138	121	3.2	290.9	290.9	291.0	0.1
B	2,060[2]	157	1,342	0.3	304.1	304.1	304.2	0.1
C	2,760[2]	80	331	1.2	304.1	304.1	304.2	0.1
D	2,970[2]	144	709	0.5	307.8	307.8	307.8	0.0
E	3,660[2]	28	186	2.1	317.2	317.2	317.2	0.0
Demarest Brook								
A	900[3]	120	523	1.7	38.9	38.9	39.0	0.1
B	1,100[3]	126	460	2.0	39.0	39.0	39.1	0.1
C	1,900[3]	107	457	2.0	41.3	41.3	41.3	0.0
D	2,100[3]	105	316	2.9	41.3	41.3	41.4	0.1
E	2,600[3]	37	136	6.7	42.0	42.0	42.2	0.2

[1] Feet above county Boundary
[2] Feet above confluence with Goffle Brook
[3] Feet above confluence with Tenakill Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

DEMAREST AVENUE TRIBUTARY-DEMAREST BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Diamond Brook								
A	530	18	141	8.8	41.9	41.9	42.1	0.2
B	910	130	645	1.9	43.4	43.4	43.5	0.1
C	1,185	72	399	3.1	43.5	43.5	43.6	0.1
D	1,283	45	218	5.7	44.3	44.3	44.3	0.0
E	1,490	95	479	2.6	45.3	45.3	45.4	0.1
F	2,100	92	397	3.1	46.0	46.0	46.1	0.1
G	2,670	171	711	1.7	46.5	46.5	46.7	0.2
H	3,365	53	252	5.2	48.0	48.0	48.0	0.0
I	3,686	35	205	6.5	50.1	50.1	50.1	0.0
J	4,376	125	366	3.6	52.5	52.5	52.6	0.1
K	5,670	49	388	3.4	59.9	59.9	59.9	0.0
L	6,350	200	1,352	1.0	60.2	60.2	60.2	0.0
M	7,950	75	241	5.5	63.2	63.2	63.3	0.1
N	8,258	27	176	7.5	68.8	68.8	68.8	0.0
O	8,548	170	692	1.9	72.3	72.3	72.5	0.2
P	8,797	62	197	6.7	72.3	72.3	72.5	0.2
Q	9,855	166	1,000	1.3	78.1	78.1	78.2	0.1
R	10,767	35	199	6.7	78.8	78.8	78.9	0.1
S	11,478	386	1,681	0.8	80.4	80.4	80.5	0.1
T	12,638	122	621	2.1	80.5	80.5	80.6	0.1
U	13,468	279	947	1.4	81.1	81.1	81.2	0.1

[1] Feet above confluence with Passaic River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

DIAMOND BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Dorotockey's Run								
A	350	64	217	3.3	25.7	23.1[2]	23.1	0.0
B	770	40	92	7.9	25.7	24.4[2]	24.4	0.0
C	1,350	75	195	3.7	28.3	28.3	28.4	0.1
D	1,710	110	171	4.2	29.8	29.8	29.8	0.0
E	2,390	120	277	2.6	31.5	31.5	31.5	0.0
F	2,820	80	276	2.6	32.4	32.4	32.4	0.0
G	3,200	120	415	1.7	32.6	32.6	32.7	0.1
H	4,330	130	341	2.1	33.3	33.3	33.5	0.2
I	4,765	100	296	2.4	33.9	33.9	34.0	0.1
J	5,130	100	412	1.8	34.9	34.9	35.0	0.1
K	5,625	180	449	1.6	35.2	35.2	35.4	0.2
L	6,160	180	486	1.5	36.8	36.8	36.9	0.1
M	6,930	187	446	0.8	37.0	37.0	37.2	0.2
N	7,340	85	243	1.6	37.3	37.3	37.5	0.2
O	8,430	340	605	1.0	37.7	37.7	37.8	0.1
P	10,015	220	527	1.1	38.1	38.1	38.2	0.1
Q	10,550	90	213	2.8	40.4	40.4	40.6	0.2
R	10,830	110	470	1.3	42.7	43.0	42.8	0.1
S	12,106	158	526	1.4	43.5	43.5	43.8	0.3
T	13,376	200	117	6.3	46.4	46.4	46.4	0.0
U	14,405	275	875	0.8	48.3	48.3	48.5	0.2
V	15,550	140	677	1.1	52.1	52.1	52.2	0.1
W	16,517	8	50	14.2	53.7	53.7	53.8	0.1

[1] Feet above confluence with Oradell Reservoir
[2] Computed without consideration of the backwater effects from Oradell Reservoir/Hackensack River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

DOROTOCKEY'S RUN

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Dwars Kill								
A	200[1]	238	1,034	2.0	27.5	27.5	27.5	0.0
B	1,000[1]	220	656	3.1	30.1	30.1	30.2	0.1
C	1,600[1]	217	896	2.3	32.5	32.5	32.6	0.1
D	2,500[1]	129	503	2.2	34.5	34.5	34.7	0.2
E	2,880[1]	105	279	4.0	34.8	34.8	35.0	0.2
F	3,460[1]	167	587	1.9	38.7	38.7	38.9	0.2
G	3,900[1]	171	338	3.3	39.7	39.7	39.9	0.2
H	4,700[1]	159	239	4.7	42.1	42.1	42.2	0.1
I	5,300[1]	132	327	3.5	47.1	47.1	47.1	0.0
J	6,000[1]	79	163	6.9	49.3	49.3	49.3	0.0
East Branch Saddle River								
A	1,468[2]	309	568	4.2	223.6	223.6	223.8	0.2
B	2,029[2]	202	573	2.8	228.3	228.3	228.5	0.2
C	2,867[2]	65	198	8.3	234.3	234.3	234.4	0.1
D	3,708[2]	170	239	6.8	246.0	246.0	246.1	0.1
E	4,985[2]	55	449	3.6	264.0	264.0	264.1	0.1
F	5,475[2]	95	170	9.6	273.6	273.6	273.6	0.0

[1] Feet above confluence with Oradell Reservoir
[2] Feet above confluence with Saddle River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

DWARS KILL – EAST BRANCH SADDLE RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Echo Glen Brook								
A	500[1]	20	60	2.8	230.3	230.3	230.3	0.0
B	630[1]	20	33	5.2	230.4	230.4	230.5	0.1
C	990[1]	34	25	6.8	238.0	238.0	238.0	0.0
D	1,508[1]	40	63	2.7	246.8	246.8	246.8	0.0
E	1,990[1]	12	23	7.4	249.8	249.8	249.8	0.0
F	2,500[1]	30	46	3.7	256.8	256.8	256.9	0.1
G	3,390[1]	26	51	1.7	286.6	286.6	286.6	0.0
H	3,443[1]	40	71	1.2	287.2	287.2	287.2	0.0
I	3,623[1]	5	6	8.0	292.2	292.2	292.2	0.0
J	3,800[1]	5	7	7.1	299.3	299.3	299.3	0.0
K	4,150[1]	15	11	4.2	317.9	317.9	317.9	0.0
Fairview Brook								
A	165[2]	12	5	4.1	54.5	49.0[4]	49.0	0.0
B	225[2]	12	8	2.7	54.5	49.6[4]	49.6	0.0
Fieldstone Brook								
A	900[3]	37	37	5.3	163.4	163.4	163.4	0.0
B	1,555[3]	40	35	5.5	213.1	213.1	213.1	0.0

[1] Feet above confluence with Mill Brook
[2] Feet above confluence with Pascack Brook
[3] Feet above Pascack Brook
[4] Elevation computed without consideration of backwater effects from Pascack Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

ECHO GLEN BROOK- FAIRVIEW BROOK- FIELDSTONE BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Flat Rock Brook								
A	325	356	874	1.5	6.0	0.5[2]	0.7	0.2
B	1,480	55	165	8.0	6.0	0.9[2]	0.9	0.0
C	1,730	29	122	10.8	6.0	2.1[2]	2.1	0.0
D	2,170	35	247	5.3	6.0	5.5[2]	5.6	0.1
E	4,715	28	138	9.5	25.7	25.7	25.7	0.0
F	4,890	43	131	10.0	27.0	27.0	27.0	0.0
G	5,145	34	185	7.1	29.2	29.2	29.3	0.1
H	5,280	97	230	5.7	30.0	30.0	30.0	0.0
I	5,565	78	200	6.6	31.3	31.3	31.5	0.2
J	5,855	41	166	7.9	35.8	35.8	36.0	0.2
K	6,290	42	131	10.1	53.9	53.9	53.9	0.0
L	6,510	38	126	10.5	74.4	74.4	74.4	0.0
M	6,840	33	126	10.4	95.6	95.6	95.6	0.0
N	7,245	34	121	10.9	110.7	110.7	110.7	0.0
O	7,655	35	132	10.0	123.3	123.3	123.4	0.1
P	7,945	90	243	5.4	126.3	126.3	126.3	0.0
Q	8,660	113	274	4.8	128.5	128.5	128.7	0.2
R	8,770	98	275	4.8	129.0	129.0	129.2	0.2

[1] Feet above confluence with Overpeck Creek

[2] Elevation computed without consideration of backwater effects from Overpeck Creek

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

FLAT ROCK BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Fleischer Brook								
A	6,168	28	181	3.9	29.0	29.0	29.1	0.1
B	6,330	26	177	4.0	29.2	29.2	29.4	0.2
C	6,480	27	177	4.0	29.3	29.3	29.5	0.2
D	6,645	38	210	3.4	29.6	29.6	29.8	0.2
E	6,808	35	198	3.6	29.7	29.7	29.9	0.2
F	7,400	36	177	4.0	30.3	30.3	30.4	0.1
G	7,600	42	187	3.8	30.6	30.6	30.7	0.1
H	7,850	48	178	3.2	30.9	30.9	31.1	0.2
I	8,000	35	107	5.3	31.0	31.0	31.2	0.2
J	8,470	43	142	4.0	32.9	32.9	32.9	0.0
K	8,625	36	150	3.8	33.2	33.2	33.2	0.0
L	9,200	41	152	3.7	34.0	34.0	34.0	0.0
M	9,900	31	125	4.5	35.1	35.1	35.1	0.0
N	10,122	26	139	4.1	37.8	37.8	37.8	0.0
O	10,276	24	93	6.1	37.9	37.9	37.9	0.0
P	10,450	25	104	5.4	38.3	38.3	38.5	0.2
Q	10,800	27	114	5.0	39.6	39.6	39.7	0.1
R	11,000	31	107	5.3	40.2	40.2	40.2	0.0
S	11,370	40	174	3.3	41.1	41.1	41.1	0.0
T	11,644	137	564	1.0	41.4	41.4	41.4	0.0
U	11,900	55	258	1.4	43.0	43.0	43.1	0.1

[1] Feet above confluence with Passaic River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

FLEISCHER BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Fleischer Brook (continued)								
V	12,200[1]	188	444	0.8	43.3	43.3	43.4	0.1
W	12,775[1]	35	154	2.3	43.8	43.8	43.9	0.1
X	13,200[1]	104	285	1.2	43.9	43.9	44.0	0.1
Y	13,400[1]	120	485	0.7	44.0	44.0	44.1	0.1
Z	14,000[1]	198	484	0.7	44.2	44.2	44.3	0.1
French's Creek								
A	505[2]	45	88	6.2	7.8	6.4[4]	6.4	0.0
B	1,725[2]	68	168	3.2	12.9	12.9	13.1	0.2
C	2,091[2]	90	294	1.9	15.4	15.4	15.5	0.1
D	2,306[2]	22	80	6.8	16.7	16.7	16.8	0.1
E	2,670[2]	13	50	10.9	18.8	18.8	18.9	0.1
F	3,595[2]	97	265	2.0	23.9	23.9	24.3	0.4
G	4,541[2]	12	47	11.6	38.2	38.2	38.2	0.0
H	5,024[2]	21	101	5.4	49.8	49.8	49.8	0.0
Goffle Brook								
A	240[3]	159	843	2.2	137.5	137.5	137.5	0.0
B	1,265[3]	175	456	4.0	138.0	138.0	138.0	0.0
C	2,380[3]	107	251	7.3	143.7	143.7	143.7	0.0
D	3,060[3]	35	164	11.3	147.3	147.3	147.4	0.1
E	3,870[3]	152	830	2.2	160.6	160.6	160.7	0.1
F	4,670[3]	120	482	3.8	162.8	162.8	163.0	0.2
G	5,045[3]	137	259	7.1	164.3	164.3	164.5	0.2
H	5,495[3]	36	169	10.5	169.5	169.5	169.5	0.0
I	5,835[3]	28	182	9.8	174.4	174.4	174.4	0.0

[1] Feet above confluence with Passaic River
[2] Feet above confluence with Hackensack River
[3] Feet above county boundary
[4] Elevation computed without backwater effects from Hackensack River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

FLEISCHER BROOK-FRENCH BROOK-GOFFLE BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Goffle Brook (continued)								
J	6,546	36	173	10.2	184.1	184.1	184.1	0.0
K	7,197	67	303	5.8	202.9	202.9	202.9	0.0
L	7,788	69	370	4.8	212.0	212.0	212.1	0.1
M	8,504	44	162	10.9	219.5	219.5	219.5	0.0
N	9,033	44	162	10.9	232.6	232.6	232.6	0.0
O	9,673	83	246	7.2	238.8	238.8	239.0	0.2
P	10,233	63	258	6.9	242.7	242.7	242.7	0.0
Q	11,154	157	430	4.1	247.4	247.4	247.6	0.2
R	11,279	217	419	4.2	250.0	250.0	250.2	0.2
S	11,900	320	586	3.0	257.5	257.5	257.5	0.0
T	12,380	315	531	3.3	260.8	260.8	260.8	0.0
U	12,750	119	334	3.6	262.8	262.8	263.0	0.2
V	12,973	190	384	3.2	263.4	263.4	263.5	0.1
W	13,490	40	175	6.9	267.0	267.0	267.0	0.0
X	13,700	40	137	8.6	268.8	268.8	268.9	0.1
Y	13,890	113	611	1.9	271.3	271.3	271.3	0.0
Z	14,863	60	376	3.1	276.0	276.0	276.0	0.0
AA	15,157	175	913	1.3	287.4	287.4	287.4	0.0
AB	16,190	242	630	1.4	288.1	288.1	288.3	0.2
AC	17,030	30	88	9.8	295.5	295.5	295.5	0.0
AD	17,740	90	667	1.3	316.4	316.4	316.4	0.0
AE	18,410	204	1,013	0.8	316.5	316.5	316.5	0.0
AF	19,140	28	93	9.3	317.2	317.2	317.3	0.1

[1]Feet above county boundary

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

GOFFLE BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Goffle Brook (continued)								
AG	19,980[1]	179	915	0.9	328.4	328.4	328.4	0.0
AH	20,180[1]	104	760	1.1	330.6	330.6	330.6	0.0
AI	20,740[1]	208	643	1.3	330.6	330.6	330.6	0.0
AJ	21,310[1]	54	168	5.1	330.7	330.7	330.7	0.0
AK	21,770[1]	150	439	0.9	332.0	332.0	332.2	0.2
AL	22,510[1]	27	49	7.7	334.2	334.2	334.2	0.0
AM	23,025[1]	64	77	4.9	337.7	337.7	337.8	0.1
AN	23,430[1]	33	65	5.9	341.8	341.8	341.9	0.1
AO	23,860[1]	110	725	0.5	345.2	345.2	345.2	0.0
AP	24,440[1]	90	254	1.5	345.4	345.4	345.6	0.2
AQ	24,750[1]	22	101	3.8	347.6	347.6	347.8	0.2
Goffle Brook Tributary								
A	310[2]	142	215	2.5	261.0	261.0	261.1	0.1
B	890[2]	23	81	6.5	264.4	264.4	264.4	0.0
C	1,330[2]	180	280	1.9	269.1	269.1	269.3	0.2
D	1,713[2]	104	174	3.0	270.2	270.2	270.3	0.1
E	1,929[2]	89	321	1.6	272.4	272.4	272.4	0.0

[1] Feet above county boundary
[2] Feet above confluence with Goffle Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

GOFFLE BROOK-GOFFLE BROOK TRIBUTARY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Hackensack River								
A	96,316	179	1,433	6.3	8.0	3.1[2]	3.3	0.2
B	97,264	465	2,828	3.2	8.0	4.3[2]	4.5	0.2
C	98,395	404	2,080	4.4	8.0	5.0[2]	5.1	0.1
D	99,207	625	2,484	3.7	8.0	5.8[2]	5.8	0.0
E	100,102	370	3,476	2.5	8.0	7.0[2]	7.1	0.1
F	100,764	728	5,617	1.6	8.0	7.6[2]	7.7	0.1
G	101,550	620	3,656	2.3	8.0	7.7[2]	7.8	0.1
H	102,473	660	3,516	2.4	8.0	8.0	8.1	0.1
I	103,431	529	2,607	3.3	8.3	8.3	8.4	0.1
J	104,882	770	4,942	1.7	9.0	9.0	9.1	0.1
K	106,523	510	2,937	2.9	9.3	9.3	9.5	0.2
L	107,438	650	3,700	2.3	9.8	9.8	9.9	0.1
M	108,512	505	3,374	2.5	10.2	10.2	10.3	0.1
N	109,417	400	1,901	4.5	10.3	10.3	10.4	0.1
O	110,123	570	2,749	3.1	11.4	11.4	11.6	0.2
P	111,056	328	2,263	3.8	11.9	11.9	12.1	0.2
Q	112,222	590	4,014	2.1	12.5	12.5	12.7	0.2
R	113,041	700	4,424	1.9	12.8	12.8	12.9	0.1
S	114,297	1,102	6,839	1.4	13.3	13.3	13.5	0.2
T	115,036	595	3,963	2.2	13.7	13.7	13.9	0.2
U	116,371	286	2,479	3.3	14.0	14.0	14.2	0.2

[1] Feet above confluence with Newark Bay (Hudson County)

[2] Elevation computed without backwater effects from Newark Bay (Hudson County)

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HACKENSACK RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Hackensack River (continued)								
V	117,345	348	3,303	2.5	14.5	14.5	14.6	0.1
W	118,035	321	2,821	2.9	15.9	15.9	15.9	0.0
X	118,801	508	9,585	0.9	25.7	25.7	25.7	0.0
Y	139,829	370	2,620	1.7	25.7	25.7	25.9	0.2
Z	140,350	245	1,500	3.0	25.7	25.7	25.8	0.1
AA	140,932	580	4,518	1.0	28.1	28.1	28.2	0.1
AB	141,600	240	1,899	2.4	28.2	28.2	28.3	0.1
AC	142,200	195	1,460	3.1	28.2	28.2	28.3	0.1
AD	142,800	255	1,889	2.4	28.6	28.6	28.7	0.1
AE	143,404	235	2,057	2.2	28.8	28.8	29.0	0.2
AF	144,000	335	2,581	1.8	29.0	29.0	29.1	0.1
AG	144,600	265	2,047	2.2	29.2	29.2	29.3	0.1
AH	145,200	240	1,801	2.5	29.3	29.3	29.5	0.2
AI	145,800	135	1,139	4.0	29.6	29.6	29.7	0.1
AJ	146,226	155	1,118	4.1	29.8	29.8	30.0	0.2
AK	147,437	200	1,206	3.7	30.6	30.6	30.8	0.2
AL	147,900	250	2,143	2.1	33.1	33.1	33.2	0.1
AM	148,500	230	1,802	2.5	33.2	33.2	33.3	0.1
AN	149,303	147	1,779	2.5	33.7	33.7	33.9	0.2
AO	151,089	893	5,900	0.8	34.1	34.1	34.2	0.1
AP	152,924	1,460	8,768	0.5	34.1	34.1	34.3	0.2
AQ	154,934	715	4,446	1.0	34.2	34.2	34.4	0.2
AR	156,078	345	2,226	2.0	34.4	34.4	34.5	0.1
AS	158,062	395	2,542	1.8	35.0	35.0	35.2	0.2
AT	159,300	250	1,748	2.6	35.5	35.5	35.7	0.2

[1] Feet above confluence with Newark Bay (Hudson County)

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ
(ALL JURISDICTIONS)

FLOODWAY DATA

HACKENSACK RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Hackensack River (continued)								
AU	160,443[1]	130	770	5.8	36.3	36.3	36.4	0.1
AV	161,638[1]	565	3,844	1.2	37.8	37.8	37.9	0.1
AW	163,732[1]	333	1,907	2.4	38.0	38.0	38.1	0.1
AX	164,761[1]	290	1,878	2.3	40.3	40.3	40.4	0.1
AY	166,302[1]	185	1,424	3.0	40.8	40.8	40.9	0.1
AZ	166,915[1]	250	1,872	2.3	41.4	41.4	41.5	0.1
BA	167,561[1]	145	1,256	3.4	41.6	41.6	41.8	0.2
BB	168,176[1]	266	2,598	1.7	42.1	42.1	42.3	0.2
Haunsmans Ditch								
A	245[2]	37	80	4.2	25.7	22.6[3]	22.8	0.2
B	1,300[2]	28	63	5.3	25.7	25.7[3]	25.7	0.0
C	1,562[2]	18	66	5.1	26.1	26.1	26.1	0.0
D	1,763[2]	19	74	4.5	27.4	27.4	27.4	0.0
E	1,825[2]	32	142	1.6	28.6	28.6	28.6	0.0
F	2,675[2]	19	94	2.4	28.6	28.6	28.7	0.1
G	3,740[2]	18	32	7.1	34.5	34.5	34.7	0.2

[1] Feet above confluence with Newark Bay (Hudson County)
[2] Feet above confluence with Oradell Reservoir (Hackensack River)
[3] Elevation computed without backwater effects of Oradell Reservoir (Hackensack River)

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HACKENSACK RIVER-HAUNSMANS DITCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Henderson Brook								
A	270	31	288	2.7	40.9	40.7[2]	40.9	0.2
B	420	35	173	4.6	40.9	40.7[2]	40.9	0.2
C	900	54	212	3.7	42.0	42.0	42.2	0.2
D	1,200	164	604	1.3	42.6	42.6	42.8	0.2
E	1,546	154	432	1.8	42.9	42.9	42.9	0.0
F	1,614	82	249	3.2	42.9	42.9	43.0	0.1
G	1,763	82	250	3.2	43.1	43.1	43.2	0.1
H	1,942	48	136	5.8	43.5	43.5	43.6	0.1
I	2,050	31	149	5.4	44.3	44.3	44.3	0.0
J	2,320	29	115	6.6	45.4	45.4	45.6	0.2
K	2,513	68	139	5.5	47.1	47.1	47.1	0.0
L	2,842	114	386	2.0	48.2	48.2	48.4	0.2
M	2,985	115	225	3.4	48.4	48.4	48.6	0.2
N	3,200	42	136	5.6	48.9	48.9	49.1	0.2
O	3,351	31	147	4.8	51.5	51.5	51.7	0.2
P	3,503	34	152	4.6	51.7	51.7	51.9	0.2
Q	3,770	31	143	4.9	52.5	52.5	52.6	0.1
R	3,900	30	111	5.9	52.6	52.6	52.7	0.1

[1] Feet above confluence with Passaic River

[2] Without Floodway: Elevation computed without consideration of backwater effects from Passaic River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HENDERSON BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Henderson Brook (continued)								
S	4,800[1]	22	50	7.4	62.4	62.4	62.6	0.2
T	5,115[1]	22	83	4.5	65.5	65.5	65.7	0.2
U	5,200[1]	19	46	8.1	65.9	65.9	66.0	0.1
V	5,370[1]	20	64	5.8	68.6	68.6	68.8	0.2
W	5,770[1]	21	56	6.6	72.5	72.5	72.7	0.2
X	6,090[1]	23	82	4.5	75.2	75.2	75.3	0.1
Y	6,250[1]	27	88	4.2	75.8	75.8	76.0	0.2
Herring Brook								
A	15[2]	54	157	5.5	30.7	28.8[3]	29.0	0.2
B	325[2]	35	166	5.3	30.7	29.9[3]	30.1	0.2
C	890[2]	37	184	1.9	30.9	30.9	31.1	0.2
D	1,340[2]	31	124	2.8	31.0	31.0	31.2	0.2
E	1,840[2]	30	88	3.9	31.8	31.8	32.0	0.2
F	2,645[2]	25	86	4.0	32.9	32.9	33.1	0.2
G	2,920[2]	37	102	3.4	34.3	34.3	34.4	0.1
H	3,440[2]	31	98	3.5	35.2	35.2	35.2	0.0
I	4,170[2]	24	67	5.2	36.8	36.8	36.8	0.0
J	4,350[2]	19	47	7.4	37.5	37.5	37.5	0.0
K	4,720[2]	17	55	6.2	39.5	39.5	39.5	0.0
L	5,650[2]	50	287	1.2	52.0	52.0	52.0	0.0
M	5,775[2]	45	260	1.3	52.0	52.0	52.0	0.0

[1] Feet above confluence with Passaic River
[2] Feet above confluence with Van Saun Mill Brook
[3] Elevation computed without consideration of backwater effects from Van Saun Mill Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HENDERSON BROOK-HERRING BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Hillsdale Brook								
A	365	40	38	10.1	40.0	38.2[2]	38.2	0.0
B	430	60	187	2.0	41.0	41.0	41.0	0.0
C	920	29	119	3.2	44.0	44.0	44.0	0.0
D	2,900	32	87	4.3	47.9	47.9	47.9	0.0
E	3,390	26	79	4.5	52.0	52.0	52.0	0.0
F	3,820	60	247	1.4	59.5	59.5	59.5	0.0
G	4,000	112	199	1.8	59.5	59.5	59.5	0.0
H	4,810	34	51	6.9	67.9	67.9	67.9	0.0
I	5,525	110	156	2.3	71.2	71.2	71.2	0.0
J	6,290	190	389	0.9	72.1	72.1	72.1	0.0
K	7,850	60	66	5.3	72.7	72.7	72.9	0.2
L	8,788	60	191	1.9	77.4	77.4	77.4	0.0
M	9,422	41	50	5.9	78.6	78.6	78.6	0.0
N	10,380	40	43	6.9	88.9	88.9	88.9	0.0
O	10,475	40	82	3.7	91.5	91.5	91.5	0.0
P	11,560	60	126	2.4	113.1	113.1	113.1	0.0
Q	11,919	40	43	5.4	118.5	118.5	118.5	0.0
R	11,995	40	80	2.9	120.3	120.3	120.3	0.0
S	12,100	40	66	3.4	122.2	122.2	122.2	0.0
T	12,290	40	257	0.9	124.8	124.8	124.8	0.0
U	12,550	20	42	5.5	125.4	125.4	125.4	0.0

[1] Feet above confluence with Holdrum Brook
[2] Elevation computed without consideration of backwater effects from Holdrum Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HILLSDALE BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Hillsdale Brook (continued)								
V	12,840[1]	32	183	0.8	132.2	132.2	132.3	0.1
W	13,280[1]	30	24	6.3	133.8	133.8	133.8	0.0
X	13,350[1]	30	76	1.9	136.6	136.6	136.6	0.0
Y	14,395[1]	30	21	7.1	144.5	144.5	144.5	0.0
Z	14,745[1]	30	30	4.9	151.6	151.6	151.6	0.0
Hirschfeld Brook								
A	545[2]	70	237	6.9	13.7	10.2[3]	10.4	0.2
B	1,065[2]	30	247	5.3	13.7	12.4[3]	12.4	0.0
C	1,312[2]	50	376	4.5	13.7	12.7[3]	12.8	0.1
D	1,841[2]	60	288	8.6	13.7	12.7[3]	12.7	0.0
E	2,611[2]	25	217	6.3	14.1	14.1	14.2	0.1
F	3,256[2]	40	307	5.6	17.0	17.0	17.0	0.0
G	4,222[2]	35	225	5.1	17.4	17.4	17.6	0.2
H	6,645[2]	55	156	7.3	31.2	31.2	31.4	0.2
I	7,511[2]	110	511	2.2	37.2	37.2	37.3	0.1
J	8,054[2]	70	364	3.1	37.6	37.6	37.7	0.1
K	9,050[2]	33	129	7.1	40.6	40.6	40.6	0.0
L	10,380[2]	55	139	4.8	46.1	46.1	46.1	0.0
M	10,927[2]	110	484	1.4	47.6	47.6	47.8	0.2
N	11,512[2]	300	402	1.7	49.5	49.5	49.5	0.0

[1] Feet above confluence with Holdrum Brook
[2] Feet above confluence with Hackensack River
[3] Elevation computed without consideration of backwater effects from Hackensack River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HILLSDALE BROOK-HIRSCHFELD BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Hirschfeld Brook (continued)								
O	12,012[1]	18	77	8.7	51.2	51.2	51.2	0.0
P	13,203[1]	15	70	9.6	54.8	54.8	54.8	0.0
Q	13,952[1]	18	78	8.6	56.1	56.1	56.3	0.2
R	14,920[1]	20	76	8.9	57.4	57.4	57.4	0.0
S	15,637[1]	35	100	6.7	61.5	61.5	61.5	0.0
T	16,179[1]	120	515	1.3	68.1	68.1	68.2	0.1
U	17,883[1]	135	440	1.6	70.0	70.0	70.1	0.1
V	18,963[1]	115	190	3.5	70.1	70.1	70.2	0.1
Hirschfeld Brook Tributary								
A	935[2]	50	67	11.3	57.1	57.1	57.1	0.0
B	1,790[2]	39	170	4.5	74.7	74.7	74.9	0.2
C	3,550[2]	140	408	1.4	87.2	87.2	87.4	0.2
D	4,300[2]	110	150	3.9	88.2	88.2	88.2	0.0
E	5,525[2]	170	318	1.2	94.9	94.9	95.1	0.2
F	7,635[2]	151	164	2.3	101.4	101.4	101.4	0.0
G	10,300[2]	85	105	1.8	114.1	114.1	114.1	0.0
Ho-Ho-Kus Brook								
A	331[3]	1,284	4,676	1.0	54.7	54.7	54.9	0.2
B	2,868[3]	406	1,618	2.9	58.7	58.7	58.8	0.1
C	4,934[3]	336	891	5.3	61.5	61.5	61.6	0.1

[1] Feet above confluence with Hackensack River
[2] Feet above confluence with Hirschfeld Brook
[3] Feet above confluence with Saddle River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HIRSHFELD BROOK-HIRSCHFELD BROOK TRIBUTARY- HO-HO-KUS BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Ho-Ho-Kus Brook (continued)								
D	6,052	634	2,717	1.8	65.7	65.7	65.9	0.2
E	8,151	71	357	13.3	67.2	67.2	67.2	0.0
F	8,771	448	2,562	1.9	72.7	72.7	72.8	0.1
G	9,422	434	2,511	1.9	73.1	73.1	73.3	0.2
H	10,283	636	3,421	1.4	75.9	75.9	76.0	0.1
I	12,027	456	1,339	3.5	79.0	79.0	79.2	0.2
J	12,507	535	1,569	3.0	80.2	80.2	80.4	0.2
K	12,940	706	4,029	1.2	82.5	82.5	82.7	0.2
L	13,663	780	2,430	2.0	83.2	83.2	83.4	0.2
M	14,665	749	2,359	2.0	86.7	86.7	86.9	0.2
N	15,277	623	2,077	2.3	91.9	91.9	91.9	0.0
O	15,921	225	698	6.8	92.2	92.2	92.4	0.2
P	16,153	214	1,104	4.3	97.0	97.0	97.2	0.2
Q	17,907	307	931	5.1	106.4	106.4	106.5	0.1
R	19,211	190	723	6.6	120.5	120.5	120.5	0.0
S	20,031	106	845	5.0	133.1	133.1	133.3	0.2
T	21,746	64	612	6.9	149.6	149.6	149.6	0.0
U	24,004	177	630	6.7	173.1	173.1	173.1	0.0
V	24,283	257	1,055	4.0	184.5	184.5	184.6	0.1
W	25,775	84	374	11.4	190.0	190.0	190.0	0.0
X	25,955	143	998	4.3	203.4	203.4	203.4	0.0
Y	27,716	180	454	9.4	211.8	211.8	211.8	0.0
Z	27,961	335	1,488	2.9	216.3	216.3	216.3	0.0
AA	29,015	144	500	8.5	219.7	219.7	219.7	0.0

[1] Feet above confluence with Saddle River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HO-HO-KUS BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Ho-Ho-Kus Brook (continued)								
AB	29,259	480	1,183	3.6	223.8	223.8	223.9	0.1
AC	29,905	92	692	6.1	226.7	226.7	226.8	0.1
AD	31,150	203	542	6.7	232.6	232.6	232.6	0.0
AE	32,610	115	481	6.2	242.0	242.0	242.1	0.1
AF	33,905	74	312	9.5	251.7	251.7	251.7	0.0
AG	35,480	36	178	12.4	267.3	267.3	267.3	0.0
AH	35,845	85	618	3.6	273.6	273.6	273.8	0.2
AI	38,255	100	377	5.5	283.2	283.2	283.4	0.2
AJ	38,515	199	1,010	2.1	287.5	287.5	287.5	0.0
AK	39,750	41	157	9.8	291.2	291.2	291.2	0.0
AL	40,635	123	518	3.0	294.0	294.0	294.1	0.1
AM	42,600	131	565	2.7	298.4	298.4	298.6	0.2
AN	44,137	109	506	3.1	301.4	301.4	301.4	0.0
AO	44,309	37	219	7.0	304.4	304.4	304.5	0.1
AP	44,856	188	1,155	1.3	306.5	306.5	306.6	0.1
AQ	45,957	227	677	2.3	307.0	307.0	307.2	0.2
AR	47,079	60	316	4.2	310.8	310.8	310.9	0.1
AS	47,769	39	158	8.4	314.1	314.1	314.1	0.0
AT	48,003	385	1,529	0.9	318.7	318.7	318.9	0.2
AU	49,348	314	3,208	0.4	322.9	322.9	323.1	0.2
AV	50,508	110	216	6.2	325.2	325.2	325.2	0.0
AW	50,725	80	336	4.0	329.9	329.9	329.9	0.0

[1] Feet above confluence with Saddle River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HO-HO-KUS BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Ho-Ho-Kus Brook (continued)								
AX	52,049[1]	110	235	5.7	337.1	337.1	337.1	0.0
AY	52,361[1]	185	1,102	1.2	348.1	348.1	348.1	0.0
AZ	54,961[1]	835	2,269	0.5	348.7	348.7	348.8	0.1
BA	56,238[1]	185	395	2.8	351.0	351.0	351.1	0.1
BB	56,920[1]	415	3,841	0.3	357.1	357.1	357.2	0.1
BC	58,516[1]	392	3,042	0.4	359.9	359.9	360.1	0.2
BD	59,467[1]	23	88	11.1	363.7	363.7	363.9	0.2
Ho-Ho-Kus Brook Tributary								
A	420[2]	71	206	1.1	318.6	318.6	318.6	0.0
B	1,220[2]	22	105	2.2	323.8	323.8	323.8	0.0
C	1,690[2]	35	92	2.5	324.1	324.1	324.1	0.0
D	2,670[2]	37	252	0.9	326.9	326.9	327.1	0.2
E	3,736[2]	121	231	1.0	331.8	331.8	332.0	0.2
F	4,460[2]	55	98	2.4	334.9	334.9	335.1	0.2
G	4,864[2]	40	98	2.4	340.3	340.3	340.3	0.0
Holdrum Brook								
A	480[3]	82	98	6.7	35.0	33.1[4]	33.1	0.0
B	1,110[3]	105	454	1.4	35.0	35.0	35.0	0.0

[1] Feet above confluence with Saddle River
[2] Feet above Township of Wyckoff corporate limits
[3] Feet above confluence with Hackensack River
[4] Elevation computed w/o consideration of backwater effects from Hackensack River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HO-HO-KUS BROOK-HO-HO-KUS BROOK TRIBUTARY-HOLDRUM BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Holdrum Brook (continued)								
C	2,180[1]	103	286	2.3	35.6	35.6	35.8	0.2
D	3,240[1]	52	155	4.2	37.9	37.9	38.1	0.2
E	4,520[1]	60	205	3.2	39.9	39.9	39.9	0.0
F	4,960[1]	70	292	1.9	42.0	42.0	42.0	0.0
G	5,912[1]	100	228	2.4	44.7	44.7	44.7	0.0
H	7,291[1]	100	144	3.8	51.7	51.7	51.8	0.1
I	7,440[1]	258	1,736	0.3	53.2	53.2	53.3	0.1
J	8,790[1]	58	137	3.9	55.2	55.2	55.2	0.0
K	10,100[1]	78	108	5.0	62.1	62.1	62.1	0.0
L	11,860[1]	37	63	6.7	81.4	81.4	81.4	0.0
M	13,607[1]	32	51	8.2	112.9	112.9	112.9	0.0
N	14,310[1]	30	59	7.0	130.2	130.2	130.2	0.0
O	15,250[1]	26	47	5.8	157.3	157.3	157.5	0.2
P	16,010[1]	28	42	6.4	178.3	178.3	178.3	0.0
Jordan Brook								
A	50[2]	60	102	3.4	51.9	48.3[3]	48.5	0.2
B	320[2]	21	84	4.2	51.9	48.9[3]	49.1	0.2
C	645[2]	20	62	5.6	51.9	50.4[3]	50.4	0.0
D	800[2]	23	88	4.0	51.9	51.7[3]	51.7	0.0
E	1,175[2]	28	91	3.9	52.7	52.7	52.8	0.1
F	1,340[2]	29	152	2.3	53.3	53.3	53.3	0.0
G	1,850[2]	82	191	1.8	53.5	53.5	53.5	0.0
H	2,420[2]	31	109	3.2	53.9	53.9	54.0	0.1

[1] Feet above confluence with Hackensack River
[2] Feet above confluence with Saddle River
[3] Elevation computed without consideration of backwater effects from Saddle River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

HOLDRUM BROOK-JORDAN BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Jordan Brook (continued)								
I	2,550[1]	47	190	1.8	55.4	55.4	55.4	0.0
J	2,980[1]	70	275	1.3	55.5	55.5	55.6	0.1
K	3,620[1]	31	102	3.4	55.6	55.6	55.8	0.2
L	3,780[1]	34	124	2.8	56.0	56.0	56.2	0.2
M	3,981[1]	88	201	1.7	56.3	56.3	56.5	0.2
N	4,381[1]	45	177	2.0	56.9	56.9	57.0	0.1
O	5,550[1]	53	145	2.4	58.7	58.7	58.8	0.1
P	6,220[1]	32	123	2.9	59.9	59.9	60.1	0.2
Kips Brook								
A	1,300[2]	24	48	3.2	25.7	22.0[3]	22.2	0.2
B	1,720[2]	18	28	5.5	25.7	23.2[3]	23.2	0.0
C	2,225[2]	29	95	1.6	27.5	27.5	27.5	0.0
D	2,810[2]	27	116	0.8	31.4	31.4	31.4	0.0
E	3,220[2]	34	86	1.0	31.4	31.4	31.4	0.0
F	3,570[2]	32	27	3.2	31.4	31.4	31.4	0.0
G	4,380[2]	25	14	6.2	36.6	36.6	36.6	0.0
H	4,850[2]	25	33	2.7	38.5	38.5	38.5	0.0
I	4,950[2]	37	234	1.3	47.0	47.0	47.1	0.1
J	5,400[2]	110	215	1.4	47.0	47.0	47.2	0.2
K	5,710[2]	120	207	1.5	48.3	48.3	48.5	0.2
L	6,040[2]	29	75	4.1	48.4	48.4	48.5	0.1
M	6,970[2]	14	27	8.4	53.0	53.0	53.0	0.0
N	7,710[2]	22	33	6.8	64.4	64.4	64.4	0.0
O	7,855[2]	53	44	5.2	71.6	71.6	71.7	0.1

[1] Feet above confluence with Saddle River
[2] Feet above confluence with Oradell Reservoir
[3] Elevation computed without consideration of backwater effects from Oradell Reservoir/Hackensack River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

JORDAN BROOK-KIPS BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Kroner's Brook								
A	500[1]	45	53	6.0	180.3	180.3	180.3	0.0
B	870[1]	36	65	5.0	186.9	186.9	186.9	0.0
C	1,270[1]	20	42	7.6	197.8	197.8	197.8	0.0
D	1,581[1]	44	148	2.2	205.2	205.2	205.2	0.0
E	2,025[1]	74	188	1.7	209.7	209.7	209.7	0.0
F	2,345[1]	33	49	6.6	211.6	211.6	211.7	0.1
G	2,768[1]	80	132	2.4	218.4	218.4	218.6	0.2
H	4,008[1]	41	62	5.2	236.5	236.5	236.6	0.1
I	5,468[1]	24	43	7.5	264.2	264.2	264.2	0.0
J	6,298[1]	56	120	2.7	275.9	275.9	276.1	0.2
Laurel Brook								
A	220[2]	88	71	3.2	279.2	279.2	279.2	0.0
B	550[2]	147	86	2.6	287.4	287.4	287.5	0.1
C	870[2]	123	116	1.9	294.3	294.3	294.5	0.2
D	1,170[2]	123	87	2.6	301.1	301.1	301.2	0.1
E	1,830[2]	60	68	3.3	312.9	312.9	313.1	0.2
F	2,690[2]	27	34	6.6	327.9	327.9	327.9	0.0
G	3,025[2]	30	40	5.6	339.7	339.7	339.7	0.0
Mahwah River								
A	862[3]	365	1,236	4.7	271.4	267.2[4]	267.3	0.1
B	1,715[3]	185	691	8.4	271.4	269.3[4]	269.3	0.0
C	2,672[3]	225	1,051	5.5	272.3	272.3	272.3	0.0
D	3,542[3]	550	3,197	2.2	277.4	277.4	277.4	0.0

[1] Feet above confluence with Oradell Reservoir
[2] Feet above confluence with Mill Brook
[3] Feet above confluence with Ramapo River
[4] Elevation computed without consideration of backwater effects from Ramapo River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

KRONER'S BROOK-LAUREL BROOK-MAHWAH RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Manning's Brook								
A	48[1]	29	85	2.7	51.7	48.5[2]	48.7	0.2
B	234[1]	40	93	2.5	51.7	48.7[2]	48.8	0.1
C	715[1]	18	56	4.1	51.7	49.1[2]	49.3	0.2
D	1,048[1]	49	123	1.9	51.7	49.7[2]	49.8	0.1
E	1,994[1]	49	95	2.4	51.7	50.5[2]	50.7	0.2
F	2,445[1]	32	66	3.5	51.7	51.4[2]	51.4	0.0
G	3,068[1]	29	68	3.4	52.4	52.4	52.6	0.2
H	3,390[1]	25	61	3.8	52.7	52.7	52.8	0.1
I	3,760[1]	17	58	4.0	53.3	53.3	53.4	0.1
Masonicus Brook								
A	32[3]	35	145	8.7	272.1	267.0[4]	267.1	0.1
B	1,128[3]	63	432	2.9	276.1	276.1	276.3	0.2
C	2,182[3]	255	1,908	0.7	276.5	276.5	276.7	0.2
D	3,094[3]	397	2,258	0.6	276.6	276.6	276.8	0.2
E	3,937[3]	199	1,019	1.1	278.9	278.9	278.9	0.0
F	4,691[3]	156	704	1.6	278.9	278.9	278.9	0.0
G	5,790[3]	167	330	3.4	279.3	279.3	279.4	0.1
H	6,667[3]	91	460	2.1	282.7	282.7	282.8	0.1
I	8,121[3]	63	291	3.3	287.1	287.1	287.1	0.0
J	9,095[3]	35	191	5	290.8	290.8	290.8	0.0

[1] Feet above confluence with Sprout Brook
[2] Elevation computed w/o consideration of backwater effects from Sprout Brook
[3] Feet above confluence with Mahwah River
[4] Elevation computed without consideration of backwater effects from Mahwah River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

MANNING'S BROOK-MASONICUS BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Masonicus Brook (continued)								
K	9,725	43	181	5.3	292.0	292.0	292.0	0.0
L	10,442	310	1,547	0.6	300.1	300.1	300.1	0.0
M	11,205	22	97	9.8	300.2	300.2	300.2	0.0
N	11,872	151	658	1.5	305.6	305.6	305.6	0.0
O	12,943	36	153	4.2	321.2	321.2	321.2	0.0
P	13,588	88	73	9.4	325.3	325.3	325.4	0.1
Q	14,940	97	367	1.7	338.5	338.5	338.6	0.1
R	15,920	77	134	4.8	350.5	350.5	350.6	0.1
S	16,926	13	35	9.4	394.5	394.5	394.5	0.0
T	17,561	16	39	8.5	423.9	423.9	423.9	0.0
U	18,289	20	40	8.2	455.0	455.0	455.1	0.1
V	19,441	21	41	7.9	476.1	476.1	476.1	0.0
W	20,452	44	101	3.2	489.4	489.4	489.4	0.0
X	21,130	96	184	1.8	499.1	499.1	499.1	0.0
Y	21,959	19	45	7.3	510.8	510.8	510.8	0.0
Z	22,884	36	51	6.5	520.1	520.1	520.1	0.0
AA	23,870	69	125	1.4	531.4	531.4	531.6	0.2
AB	24,805	17	25	6.7	532.9	532.9	532.9	0.0
AC	25,950	22	53	3.2	538.1	538.1	538.2	0.1

[1] Feet above confluence with Mahwah River

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Metzlers Creek								
A	722	223	325	2.8	7.3	7.1[2]	7.3	0.2
B	1,120	271	315	2.9	8.9	7.8[2]	8.0	0.2
C	1,498	55	233	3.9	8.9	8.9	9.0	0.1
D	1,912	39	183	5.0	9.6	9.6	9.7	0.1
E	2,136	42	225	4.0	10.2	10.2	10.2	0.0
F	2,507	42	186	4.9	10.9	10.9	11.0	0.1
G	2,741	35	258	3.9	12.1	12.1	12.3	0.2
H	3,101	50	259	3.5	14.1	14.1	14.2	0.1
I	3,376	60	351	2.6	14.4	14.4	14.6	0.2
J	3,486	60	332	2.7	14.4	14.4	14.6	0.2
K	4,247	55	306	3.0	15.6	15.6	15.7	0.1
L	4,494	55	240	3.8	15.8	15.8	15.9	0.1
M	4,808	27	137	6.6	16.0	16.0	16.2	0.2
N	6,380	117	223	4.1	25.3	25.3	25.5	0.2
O	7,058	127	148	6.1	41.5	41.5	41.5	0.0
P	7,499	50	125	7.3	42.7	42.7	42.9	0.2
Q	7,690	60	233	3.9	45.5	45.5	45.7	0.2
R	8,327	43	103	8.8	50.7	50.7	50.8	0.1
S	8,694	20	80	11.3	55.8	55.8	55.8	0.0
T	9,132	41	277	3.3	58.8	58.8	58.9	0.1

[1] Distance above confluence with Overpeck Creek
[2] Elevation computed without consideration of backwater effects from Overpeck Creek

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

METZLERS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Mill Brook								
A	293	15	68	11.9	124.0	124.0	124.1	0.1
B	697	32	107	7.5	138.8	138.8	138.8	0.0
C	978	96	116	6.9	156.9	156.9	156.9	0.0
D	2,298	33	86	9.4	176.2	176.2	176.2	0.0
E	2,475	34	134	6.0	189.3	189.3	189.3	0.0
F	2,767	69	155	5.2	192.7	192.7	192.9	0.2
G	3,071	20	73	11.0	199.8	199.8	199.8	0.0
H	3,760	25	83	9.7	213.2	213.2	213.2	0.0
I	3,967	19	75	10.7	218.8	218.8	218.8	0.0
J	4,401	30	72	8.9	224.7	224.7	224.7	0.0
K	4,523	24	66	9.6	228.6	228.6	228.6	0.0
L	4,701	60	191	4.1	236.4	236.4	236.5	0.1
M	4,752	29	131	4.9	236.4	236.4	236.4	0.0
N	5,169	25	71	9.0	240.1	240.1	240.2	0.1
O	5,779	24	62	7.4	248.0	248.0	248.0	0.0
P	6,181	37	71	6.5	256.6	256.6	256.6	0.0
Q	6,611	102	140	3.3	261.7	261.7	261.7	0.0
R	6,768	35	74	6.2	265.0	265.0	265.0	0.0
S	7,460	34	66	7.0	273.0	273.0	273.2	0.2
T	7,658	58	245	1.9	278.7	278.7	278.7	0.0
U	8,076	25	37	6.8	279.5	279.5	279.5	0.0
V	8,340	28	50	5.1	282.7	282.7	282.8	0.1
W	8,568	32	90	2.8	289.0	289.0	289.0	0.0
X	8,882	47	45	5.6	302.3	302.3	302.3	0.0
Y	9,216	39	49	5.1	307.9	307.9	307.9	0.0

[1] Feet above confluence with Pascack Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

MILL BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Mill Brook (continued)								
Z	9,457	21	56	4.5	311.4	311.4	311.4	0.0
AA	9,605	24	75	3.4	314.1	314.1	314.2	0.1
AB	9,731	27	72	3.5	315.6	315.6	315.6	0.0
AC	9,853	16	31	8.1	317.1	317.1	317.1	0.0
AD	10,069	18	33	7.6	322.4	322.4	322.4	0.0
AE	10,186	149	338	0.7	326.8	326.8	327.0	0.2
AF	10,370	53	48	5.3	329.7	329.7	329.7	0.0
AG	10,641	16	37	6.8	339.7	339.7	339.7	0.0
AH	11,301	15	31	8.6	350.3	350.3	350.3	0.0
AI	11,434	16	44	5.8	352.8	352.8	352.8	0.0
AJ	11,624	18	52	3.0	355.7	355.7	355.7	0.0
AK	11,966	9	19	8.2	358.4	358.4	358.4	0.0
AL	12,042	33	175	1.0	367.1	367.1	367.3	0.2
Muddy Creek								
A	300	15	52	9.4	152.5	149.4[2]	149.4	0.0
B	455	15	58	8.5	152.5	151.7[2]	151.7	0.0
C	725	29	112	4.4	156.8	156.8	156.8	0.0
D	1,220	90	111	4.4	166.1	166.1	166.1	0.0
E	1,690	40	92	5.3	170.4	170.4	170.6	0.2
F	1,932	36	63	7.8	175.8	175.8	175.8	0.0
G	2,028	105	247	2.0	182.4	182.4	182.4	0.0
H	2,880	80	151	3.3	186.5	186.5	186.7	0.2
I	3,460	20	59	8.4	200.9	200.9	200.9	0.0

[1] Feet above confluence with Pascack Brook
[2] Elevation computed without consideration of backwater effects from Pascack Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

MILL BROOK – MUDDY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Muddy Creek								
J	3,860	20	63	7.8	207.8	207.8	207.8	0.0
K	4,280	31	96	5.1	211.4	211.4	211.5	0.1
Musquapsink Brook								
A	80	29	77	8.6	37.5	28.7[2]	28.7	0.0
B	538	40	182	4.1	37.5	33.3[2]	33.3	0.0
C	1,800	66	222	3.3	37.5	34.9[2]	34.9	0.0
D	3,150	43	106	6.3	37.8	37.8	37.8	0.0
E	3,620	28	159	4.2	39.1	39.1	39.1	0.0
F	4,350	48	202	3.3	40.1	40.1	40.1	0.0
G	5,570	108	326	2.4	41.8	41.8	41.8	0.0
H	5,805	68	151	6.5	43.9	43.9	43.9	0.0
I	6,930	98	429	1.8	45.8	45.8	45.9	0.1
J	7,082	94	683	1.0	50.0	50.0	50.1	0.1
K	8,112	63	219	3.0	50.0	50.0	50.1	0.1
L	8,762	64	180	3.7	51.0	51.0	51.1	0.1
M	9,192	140	451	2.4	52.0	52.0	52.0	0.0
N	10,382	95	472	1.8	52.3	52.3	52.3	0.0
O	12,312	514	1,084	1.3	52.5	52.5	52.5	0.0
P	13,472	61	393	2.0	52.7	52.7	52.7	0.0

[1] Feet above confluence with Pascack Brook,
[2] Elevation computed without consideration of backwater effects from Pascack Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

MUDDY CREEK - MUSQUAPSINK BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Musquapsink Brook (continued)								
Q	14,250	165	362	4.1	53.0	53.0	53.0	0.0
R	14,272	91	270	4.0	53.0	53.0	53.1	0.1
S	15,682	295	1,235	1.5	53.5	53.5	53.5	0.0
T	16,932	242	1,020	1.4	53.6	53.6	53.6	0.0
U	17,792	197	693	2.3	53.7	53.7	53.7	0.0
V	19,022	365	497	2.8	54.2	54.2	54.2	0.0
W	20,262	233	632	2.2	54.6	54.6	54.7	0.1
X	20,862	91	486	2.3	54.8	54.8	54.8	0.0
Y	21,392	47	153	6.2	55.1	55.1	55.1	0.0
Z	22,352	133	363	3.4	58.3	58.3	58.3	0.0
AA	23,152	54	128	1.9	59.3	59.3	59.4	0.1
AB	23,728	82	441	0.7	60.8	60.8	60.9	0.1
AC	24,447	722	5,729	0.2	67.2	67.2	67.2	0.0
AD	25,627	283	1,411	0.8	67.2	67.2	67.2	0.0
AE	27,664	31	103	10.5	72.3	72.3	72.3	0.0
AF	28,912	92	149	8.5	87.7	87.7	87.7	0.0
AG	30,394	68	142	8.9	98.3	98.3	98.3	0.0
AH	31,744	115	278	6.5	107.5	107.5	107.5	0.0
AI	32,729	60	363	5.3	126.4	126.4	126.6	0.2
AJ	33,934	60	163	10.5	138.3	138.3	138.3	0.0
AK	34,724	45	279	6.7	143.2	143.2	143.2	0.0
AL	35,274	80	541	3.6	163.2	163.2	163.2	0.0
AM	36,524	50	192	8.5	164.6	164.6	164.6	0.0
AN	37,904	37	148	9.3	175.7	175.7	175.9	0.2
AO	38,625	140	636	9.0	185.9	185.9	186.1	0.2

[1] Feet above confluence with Pascack Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

MUSQUAPSINK BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Musquapsink Brook (continued)								
AP	39,784[1]	90	212	9.7	216.8	216.8	216.9	0.1
AQ	40,354[1]	48	185	9.7	221.9	221.9	222.1	0.2
AR	40,924[1]	23	116	16.9	237.0	237.0	237.0	0.0
Musquapsink Brook By-Pass								
A	525[1]	29	101	7.2	60.6	60.6	60.6	0.0
B	650[1]	55	207	3.4	62.3	62.3	62.3	0.0
C	1,060[1]	268	1,857	0.4	67.2	67.2	67.3	0.1
Norwood Brook								
A	300[2]	173	713	0.7	27.5	25.6[3]	25.8	0.2
B	850[2]	181	699	0.7	27.5	25.6[3]	25.8	0.2
C	1,600[2]	176	677	0.7	29.1	26.2[3]	26.2	0.0
D	2,400[2]	139	493	0.9	29.1	26.2[3]	26.2	0.0
E	3,200[2]	94	226	2.0	29.1	26.2[3]	26.2	0.0
F	3,800[2]	29	129	3.4	29.1	26.3[3]	26.4	0.1
G	4,400[2]	34	171	2.6	29.1	26.7[3]	26.9	0.2
H	4,800[2]	37	131	3.4	29.1	26.8[3]	27.0	0.2
Oost Val Brook								
A	450[4]	94	187	4.5	254.4	254.4	254.6	0.2
B	1,200[4]	38	94	9.0	263.7	263.7	263.7	0.0
C	1,850[4]	159	197	4.3	275.0	275.0	275.0	0.0
D	2,480[4]	30	87	9.7	285.4	285.4	285.4	0.0
E	2,860[4]	50	105	8.0	290.8	290.8	290.8	0.0

[1] Feet above confluence with Pascack Brook
[2] Feet above confluence with Oradell Reservoir
[3] Elevation computed with consideration of interbasin flow transfer from Dwars Kill to Norwood Brook
[4] Feet above confluence with East Branch Saddle River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

MUSQUAPSINK BROOK-BY-PASS-NORWOOD BROOK-OOST VAL BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Overpeck Creek								
A	4,735	332	4,666	0.6	5.7	4.6[2]	4.8	0.2
B	5,005	366	3,716	0.7	5.7	4.6[2]	4.8	0.2
C	5,960	650	6,523	0.4	5.7	4.6[2]	4.8	0.2
D	6,690	648	6,934	0.4	5.7	4.6[2]	4.8	0.2
E	7,275	553	6,227	0.4	5.7	4.6[2]	4.8	0.2
F	7,960	527	5,737	0.5	5.7	4.6[2]	4.8	0.2
G	9,090	520	6,491	0.4	5.7	4.6[2]	4.8	0.2
H	10,050	590	8,662	0.3	5.7	4.6[2]	4.8	0.2
I	10,720	779	10,826	0.2	5.7	4.6[2]	4.8	0.2
J	12,170	469	6,070	0.4	5.7	4.6[2]	4.8	0.2
K	14,040	938	12,102	0.2	5.7	4.6[2]	4.8	0.2
L	15,695	1,013	14,959	0.2	5.7	4.6[2]	4.8	0.2
M	17,020	510	7,105	0.3	5.7	4.6[2]	4.8	0.2
N	17,360	111	1,049	2.3	5.7	4.6[2]	4.8	0.2
O	17,820	316	5,300	0.5	5.7	4.7[2]	4.9	0.2
P	18,340	738	8,310	0.3	5.7	4.7[2]	4.9	0.2
Q	19,230	965	11,242	0.2	5.7	4.7[2]	4.9	0.2
R	20,055	672	6,876	0.3	5.7	4.7[2]	4.9	0.2
S	21,080	162	757	2.3	5.7	4.8[2]	5.0	0.2
T	21,879	69	432	3.5	5.7	5.7	5.5	0.2
U	22,735	229	888	1.7	5.9	5.9	6.0	0.1
V	23,235	218	772	1.9	6.3	6.3	6.4	0.1
W	23,745	346	1,263	1.2	6.4	6.4	6.5	0.1

[1] Feet above confluence with Hackensack River
[2] Elevation computed without consideration of backwater effects from Hackensack River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

OVERPECK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Overpeck Creek (continued)								
X	24,190[1]	201	823	1.8	6.5	6.5	6.6	0.1
Y	25,382[1]	60	480	3.1	6.8	6.8	6.9	0.1
Z	25,982[1]	60	448	3.3	6.8	6.8	6.9	0.1
AA	26,535[1]	145	422	3.5	7.2	7.2	7.2	0.0
AB	28,070[1]	264	576	2.1	9.2	9.2	9.3	0.1
AC	29,325[1]	64	182	4.6	12.6	12.6	12.7	0.1
AD	30,790[1]	65	434	1.9	22.1	22.1	22.1	0.0
AE	31,407[1]	60	277	2.6	23.5	23.5	23.5	0.0
AF	32,395[1]	*	103	7.0	23.5	23.5	23.6	0.1
AG	35,285[1]	50	148	4.9	56.3	56.3	56.3	0.0
AH	35,795[1]	*	72	9.9	60.4	60.4	60.4	0.0
AI	37,185[1]	*	74	5.1	82.9	82.9	82.9	0.0
Tributary to Overpeck Creek								
A	690[3]	40	176	3.1	7.8	7.8[2]	8.0	0.2
B	1,300[3]	25	162	3.4	8.8	8.8	9.0	0.2
C	1,620[3]	18	91	6.0	9.5	9.5	9.7	0.2

[1] Feet above confluence with Hackensack River
[2] Elevation computed without consideration of backwater effects from Overpeck Creek
[3] Feet above confluence with Overpeck Creek
*Floodway contained in channel or culvert

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

OVERPECK CREEK-TRIBUTARY TO OVERPECK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Pascack Brook								
A	410	325	1,058	4.2	25.7	22.3[2]	22.4	0.1
B	1,110	242	1,100	8.2	25.7	23.0[2]	23.1	0.1
C	1,680	481	1,490	4.8	25.7	24.3[2]	24.5	0.2
D	3,980	645	2,885	5.5	28.4	28.4	28.4	0.0
E	4,330	645	3,052	4.1	28.6	28.6	28.7	0.1
F	5,503	90	551	9.3	29.1	29.1	29.1	0.0
G	7,630	545	3,569	2.9	32.5	32.5	32.6	0.1
H	8,130	337	2,348	3.5	32.5	32.5	32.6	0.1
I	8,680	335	2,150	3.5	32.6	32.6	32.7	0.1
J	10,310	85	662	7.2	33.0	33.0	33.0	0.0
K	10,620	294	1,279	8.7	36.8	36.8	37.0	0.2
L	11,170	161	1,280	4.6	38.3	38.3	38.5	0.2
M	11,875	294	1,264	6.6	39.0	39.0	39.1	0.1
N	13,790	472	2,214	3.8	40.4	40.5	40.6	0.1
O	15,110	105	653	8.1	41.8	41.8	41.9	0.1
P	15,790	192	1,057	7.1	45.1	45.1	45.2	0.1
Q	18,270	148	931	6.6	49.0	49.0	49.2	0.2
R	19,010	293	1,593	5.5	50.3	50.3	50.5	0.2
S	20,200	116	888	4.4	52.0	52.0	52.1	0.1
T	20,850	206	990	5.5	54.5	54.5	54.6	0.1
U	21,270	220	1,487	5.8	55.3	55.3	55.5	0.2

[1] Distance above confluence with Oradell Reservoir (Hackensack River)

[2] Water surface elevation computed without consideration of backwater effects from Oradell Reservoir (Hackensack River)

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

PASCACK BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Pascack Brook (continued)								
V	21,955	405	1,309	3.0	55.5	55.5	55.6	0.1
W	22,088	639	2,284	1.7	55.8	55.8	56.0	0.2
X	23,900	759	2,589	1.5	56.6	56.6	56.7	0.1
Y	24,517	284	1,020	3.9	56.8	56.8	57.0	0.2
Z	24,893	145	648	6.1	57.9	57.9	58.0	0.1
AA	25,412	170	867	4.6	59.5	59.5	59.6	0.1
AB	26,342	335	1,831	2.2	61.5	61.5	61.6	0.1
AC	26,655	230	998	4.0	61.5	61.5	61.7	0.2
AD	28,014	242	819	4.8	63.2	63.2	63.4	0.2
AE	28,632	140	1,238	3.0	66.0	66.0	66.1	0.1
AF	29,399	1,448	5,392	0.7	94.0	94.0	94.0	0.0
AG	34,457	895	3,446	1.1	94.0	94.0	94.0	0.0
AH	35,384	468	776	4.8	94.3	94.3	94.3	0.0
AI	36,811	499	972	4.6	103.0	103.0	103.2	0.2
AJ	37,259	115	420	10.7	107.1	107.1	107.1	0.0
AK	37,580	117	600	7.5	109.8	109.8	109.9	0.1
AL	38,062	64	490	9.2	112.5	112.5	112.6	0.1
AM	38,554	62	561	8.0	116.6	116.6	116.8	0.2
AN	39,198	216	849	5.3	121.4	121.4	121.5	0.1
AO	39,604	759	5,148	0.9	136.6	136.6	136.7	0.1

[1] Feet above confluence with Oradell Reservoir (Hackensack River)

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

PASCACK BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Pascack Brook (continued)								
AP	40,193	361	2,043	2.2	136.7	136.7	136.7	0.0.
AQ	40,854	232	1,309	3.4	137.1	137.1	137.2	0.1
AR	41,534	252	1,302	3.5	140.8	140.8	140.9	0.1
AS	42,219	90	516	8.7	144.9	144.9	144.9	0.0
AT	43,784	199	927	4.9	153.2	153.2	153.3	0.1
AU	44,181	54	429	10.5	153.8	153.8	154.0	0.2
AV	47,671	168	511	8.8	190.7	190.7	190.7	0.0
AW	47,937	185	611	7.4	196.1	196.1	196.1	0.0
AX	48,843	63	363	11.9	200.1	200.1	200.3	0.2

[1] Feet above confluence with Oradell Reservoir (Hackensack River)

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

PASCACK BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Passaic River								
A	3,482	298	5,319	5.8	8.0	5.0[2]	5.0	0.0
B	8,311	324	6,389	4.8	8.0	6.9[2]	6.9	0.0
C	15,459	410	6,926	4.4	8.7	8.7	8.7	0.0
D	20,152	430	8,029	3.1	9.7	9.7	9.8	0.1
E	25,203	277	5,792	4.4	10.4	10.4	10.5	0.1
F	28,717	282	6,006	4.2	11.0	11.0	11.0	0.0
G	34,330	269	5,838	4.3	11.9	11.9	12.0	0.1
H	37,656	342	5,876	4.3	13.4	13.4	13.6	0.2
I	41,890	543	6,775	3.2	16.0	16.0	16.2	0.2
J	44,189	403	7,323	2.9	18.3	18.3	18.5	0.2
K	48,086	458	7,502	2.9	19.0	19.0	19.2	0.2
L	51,584	853	9,602	2.2	30.2	30.2	30.2	0.0
M	53,815	804	7,393	2.9	31.2	31.2	31.2	0.0
N	58,372	400	5,411	4.0	32.5	32.5	32.5	0.0
O	60,879	413	4,278	5.0	33.2	33.2	33.3	0.1
P	64,416	421	4,902	4.4	34.6	34.6	34.7	0.1
Q	67,968	328	4,076	5.3	35.5	35.5	35.6	0.1
R	70,361	290	3,709	5.8	36.8	36.8	36.8	0.0
S	73,159	333	4,163	5.2	38.3	38.3	38.4	0.1
T	75,741	283	3,322	6.5	39.5	39.5	39.6	0.1

[1] Feet above limit of study (approximately 3,400 feet downstream of NJ Route 7 bridge)
[2] Computed without backwater effects from Newark Bay (Hudson County)

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

PASSAIC RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Pine Brook								
A	100[1]	13	56	7.3	58.5	58.5	58.5	0.0
B	748[1]	16	44	9.4	63.4	63.4	63.4	0.0
C	1,021[1]	141	1,439	0.2	69.6	69.6	69.6	0.0
D	1,493[1]	25	121	2.4	72.2	72.2	72.2	0.0
E	1,991[1]	75	479	0.6	84.6	84.6	84.6	0.0
Pleasant Brook								
A	210[2]	27	65	8.8	169.9	169.9	169.9	0.0
B	583[2]	13	50	11.4	173.7	173.7	173.7	0.0
C	928[2]	31	68	8.4	181.0	181.0	181.0	0.0
D	1,717[2]	35	82	7.0	198.3	198.3	198.5	0.2
E	3,208[2]	30	67	8.6	234.2	234.2	234.2	0.0
F	4,487[2]	24	62	9.2	258.7	258.7	258.7	0.0
G	5,038[2]	23	55	8.7	268.3	268.3	268.3	0.0
H	5,354[2]	21	138	3.5	273.2	273.2	273.2	0.0
I	6,114[2]	26	57	8.4	279.9	279.9	279.9	0.0
J	6,914[2]	30	59	8.1	296.0	296.0	296.0	0.0

[1] Feet above confluence with Musquapsink Brook
[2] Feet above confluence with Saddle River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

PINE BROOK-PLEASANT BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Pleasant Brook (continued)								
K	7,544[1]	20	52	9.3	311.8	311.8	311.8	0.0
L	7,978[1]	60	164	2.9	319.9	319.9	319.9	0.0
M	8,784[1]	174	198	2.4	326.5	326.5	326.7	0.2
N	9,711[1]	350	1,004	0.5	330.6	330.6	330.7	0.1
O	11,261[1]	39	123	3.9	335.2	335.2	335.2	0.0
P	11,971[1]	19	51	9.4	349.5	349.5	349.5	0.0
Q	12,409[1]	27	56	8.6	356.9	356.9	356.9	0.0
Pleasant Brook Tributary								
A	261[2]	52	38	3.9	266.1	266.1	266.1	0.0
B	731[2]	60	50	3.0	272.0	272.0	272.0	0.0
C	1,341[2]	17	42	3.5	273.8	273.8	274.0	0.2
D	2,591[2]	13	25	8.0	291.1	291.1	291.1	0.0
E	2,711[2]	13	26	7.7	296.6	296.6	296.7	0.1
F	3,145[2]	50	47	4.4	316.4	316.4	316.4	0.0
G	3,305[2]	66	44	4.6	319.0	319.0	319.0	0.0
H	4,655[2]	50	276	0.7	346.6	346.6	346.6	0.0
I	5,596[2]	26	46	4.4	359.5	359.5	359.6	0.1

[1] Feet above confluence with Saddle River
[2] Feet above confluence with Pleasant Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

PLEASANT BROOK-PLEASANT BROOK TRIBUTARY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Ramapo River								
A	20,092	985	3,576	4.7	203.2	203.2	203.3	0.1
B	21,371	723	4,295	3.9	204.2	204.2	204.2	0.0
C	22,605	981	2,910	7.1	205.1	205.1	205.1	0.0
D	24,827	851	1,864	12.0	209.7	209.7	209.7	0.0
E	25,805	753	2,700	7.7	212.8	212.8	212.9	0.1
F	26,944	493	2,636	6.4	214.4	214.4	214.5	0.1
G	28,077	375	2,590	6.5	217.5	217.5	217.5	0.0
H	29,696	480	3,464	5.2	222.5	222.5	222.5	0.0
I	30,761	163	1,754	10.2	223.9	223.9	223.9	0.0
J	31,987	472	4,748	3.8	227.6	227.6	227.7	0.1
K	33,242	541	6,390	2.8	230.7	230.7	230.7	0.0
L	34,323	234	3,258	5.5	231.0	231.0	231.1	0.1
M	35,614	579	6,544	2.7	232.7	232.7	232.8	0.1
N	36,849	340	3,636	4.9	233.1	233.1	233.2	0.1
O	37,862	617	8,255	2.2	234.2	234.2	234.4	0.2
P	38,813	324	3,592	5.0	234.9	234.9	235.1	0.2
Q	39,806	1,341	9,804	1.8	236.3	236.3	236.5	0.2
R	41,044	1,415	8,957	2.0	237.3	237.3	237.4	0.1
S	43,690	1,320	12,074	1.4	238.0	238.0	238.1	0.1
T	44,639	712	4,631	3.6	238.0	238.0	238.1	0.1
U	46,233	371	3,886	4.3	240.2	240.2	240.4	0.2
V	47,244	492	4,105	4.1	240.9	240.9	241.1	0.2

[1] Feet above confluence with Pompton River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

RAMAPO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Ramapo River (continued)								
W	48,718	459	4,032	4.2	241.5	241.5	241.6	0.1
X	50,128	554	4,373	3.8	243.4	243.4	243.5	0.1
Y	51,512	507	4,568	3.7	244.5	244.5	244.7	0.2
Z	52,605	509	3,714	4.5	245.1	245.1	245.2	0.1
AA	53,995	478	3,981	4.2	246.3	246.3	246.4	0.1
AB	55,196	715	6,697	2.5	247.8	247.8	248.0	0.2
AC	57,368	1,573	12,416	1.4	249.3	249.3	249.5	0.2
AD	59,197	1,064	8,799	1.9	250.3	250.3	250.4	0.1
AE	61,111	857	6,007	2.8	253.6	253.6	253.6	0.0
AF	63,792	1,723	11,226	1.5	254.4	254.4	254.6	0.2
AG	64,447	1,706	12,219	1.4	254.8	254.8	255.0	0.2
AH	66,340	1,354	8,164	2.0	255.0	255.0	255.1	0.1
AI	67,997	418	3,401	4.9	259.5	259.5	259. 7	0.2
AJ	69,271	897	7,229	2.3	262.2	262.2	262.4	0.2
AK	70,161	1,119	7,672	2.2	263.1	263.1	263.3	0.2
AL	72,313	283	2,248	7.3	266.3	266.3	266.4	0.1
AM	73,115	238	2,652	6.2	268.2	268.2	268.4	0.2
AN	74,058	413	4,310	3.8	270.3	270.3	270.5	0.2
AO	74,948	630	6,471	2.5	271.4	271.4	271.6	0.2
AP	76,220	391	3,865	3.6	272.6	272.6	272.7	0.1
AQ	77,108	488	5,083	2.7	273.8	273.8	274.0	0.2
AR	78,110	410	4,445	3.1	275.5	275.5	275.7	0.2

[1] Feet above confluence with Pompton River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

RAMAPO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Ramapo River Left Diversion Channel	*	*	*	*	*	*	*	*
Ramapo River Right Diversion Channel	*	*	*	*	*	*	*	*
Tributary 1 to Ramapo River								
A	770[1]	146	275	1.3	207.1	207.1	207.1	0.0
B	1,223[1]	35	54	7.2	210.3	210.3	210.3	0.0
C	1,679[1]	58	216	1.8	220.5	220.5	220.7	0.2
D	1,879[1]	64	127	3.1	221.6	221.6	221.7	0.1
E	2,164[1]	31	51	7.6	229.8	229.8	229.8	0.0
F	2,396[1]	48	146	2.7	231.9	231.9	232.1	0.2
G	3,056[1]	206	166	2.3	237.8	237.8	237.9	0.1
Tributary 2 to Ramapo River								
A	110[2]	31	48	5.7	245.3	245.3	245.3	0.0
B	342[2]	26	41	6.7	254.0	254.0	254.0	0.0
C	2,562[2]	170	102	2.7	332.2	332.2	332.3	0.1
D	2,777[2]	28	63	4.4	337.3	337.3	337.4	0.1
E	3,518[2]	20	43	6.4	354.7	354.7	354.9	0.2

[1] Feet above confluence with Ramapo River
[2] Feet above Borough of Oakland corporate limits
*Data not available

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

RAMAPO RIVER DIVERSION CHANNELS-TRIBUTARY 1 TO PAMAPO RIVER-TRIBUTARY 2 TO RAMAPO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Ramsey Brook								
A	1,575	110	224	5.2	267.5	267.5	267.7	0.2
B	2,994	359	328	3.5	280.2	280.2	280.4	0.2
C	3,648	302	314	3.7	284.9	284.9	285.0	0.1
D	4,140	251	416	2.8	289.4	289.4	289.5	0.1
E	4,989	27	104	11.2	298.4	298.4	298.4	0.0
F	6,612	30	108	10.8	316.1	316.1	316.1	0.0
G	7,464	263	1,158	1.0	322.3	322.3	322.5	0.2
H	8,652	369	798	1.5	329.8	329.8	329.9	0.1
I	9,669	115	247	4.7	333.9	333.9	334.0	0.1
J	10,333	71	290	4.0	337.9	337.9	338.1	0.2
K	10,773	629	14,423	0.1	353.0	353.0	353.0	0.0
L	11,466	312	4,272	0.2	353.0	353.0	353.0	0.0
M	12,240	506	4,405	0.2	353.0	353.0	353.0	0.0
N	12,416	466	4,898	0.2	354.0	354.0	354.1	0.1
O	13,079	75	396	2.1	354.8	354.8	355.0	0.2
P	13,178	106	190	4.3	359.1	359.1	359.3	0.2
Q	13,247	137	940	0.9	359.9	359.9	360.0	0.1
R	13,555	49	224	3.7	359.9	359.9	359.9	0.0
S	13,665	22	77	10.7	359.9	359.9	359.9	0.0
T	13,729	21	141	5.8	363.3	363.3	363.3	0.0
U	14,256	30	88	9.4	365.5	365.5	365.5	0.0
V	15,488	39	127	6.4	379.3	379.3	379.4	0.1
W	15,644	226	1,419	0.6	385.0	385.0	385.1	0.1
X	16,419	95	286	2.9	385.5	385.5	385.7	0.2
Y	16,539	124	351	2.3	386.1	386.1	386.3	0.2

[1] Feet above confluence with Ho-Ho-Kus Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

RAMSEY BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Ramsey Brook (continued)								
Z	16,627	75	265	3.1	386.2	386.2	386.4	0.2
AA	16,934	36	183	4.5	388.6	388.6	388.8	0.2
AB	17,030	19	99	8.3	388.6	388.6	388.8	0.2
AC	17,315	77	265	2.7	390.7	390.7	390.7	0.0
AD	17,790	281	1,195	0.6	390.9	390.9	391.0	0.1
AE	17,964	51	230	3.1	391.0	391.0	391.0	0.0
AF	18,263	32	117	6.1	392.0	392.0	392.0	0.0
AG	19,470	103	236	3.0	401.5	401.5	401.6	0.1
AH	20,090	21	70	10.2	408.4	408.4	408.4	0.0
AI	20,211	89	178	4.0	412.5	412.5	412.5	0.0
AJ	20,591	59	105	6.8	414.7	414.7	414.7	0.0
AK	20,750	91	668	1.1	415.8	415.8	415.9	0.1
AL	20,984	27	196	3.6	415.9	415.9	416.0	0.1
AM	21,657	170	180	4.0	439.1	439.1	439.1	0.0
AN	22,540	48	120	6.0	450.3	450.3	450.4	0.1
AO	23,241	118	660	1.1	469.7	469.7	469.8	0.1
AP	24,388	78	166	4.3	488.5	488.5	488.5	0.0
AQ	25,063	171	849	0.8	500.9	500.9	501.0	0.1
AR	25,745	106	186	3.9	503.4	503.4	503.6	0.2
AS	26,449	27	90	8.0	509.6	509.6	509.7	0.1
AT	26,676	71	216	3.3	514.1	514.1	514.2	0.1
AU	27,365	303	3,389	0.2	521.0	521.0	521.2	0.2
AV	27,684	96	134	5.3	523.0	523.0	523.1	0.1
AW	27,799	41	158	4.5	526.1	526.1	526.3	0.2
AX	28,349	27	48	7.6	537.1	537.1	537.1	0.0

[1] Feet above confluence with Ho-Ho-Kus Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ
(ALL JURISDICTIONS)

FLOODWAY DATA

RAMSEY BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Ramsey Brook (continued)								
AY	28,998[1]	16	43	8.5	545.7	545.7	545.7	0.0
AZ	29,187[1]	194	2,149	0.2	550.9	550.9	551.1	0.2
BA	29,370[1]	30	103	3.6	550.9	550.9	550.9	0.0
BB	29,696[1]	20	43	8.5	554.6	554.6	554.6	0.0
BC	29,855[1]	80	170	2.2	560.7	560.7	560.8	0.1
Reservoir Brook								
A	100[2]	60	202	0.8	98.8	98.8	099.0	0.2
B	1,220[2]	33	28	5.6	124.1	124.1	124.1	0.0
C	1,321[2]	33	246	0.6	134.1	134.1	134.1	0.0
D	1,770[2]	25	21	7.3	143.1	143.1	143.1	0.0
E	1,945[2]	25	34	4.6	148.7	148.7	148.7	0.0
Rivervale Brook								
A	310[3]	50	190	0.9	45.5	45.5	45.5	0.0
B	625[3]	30	30	5.9	46.8	46.8	46.8	0.0
C	1,560[3]	20	35	5.1	60.8	60.8	60.8	0.0
D	2,500[3]	22	24	7.3	75.1	75.1	75.1	0.0
E	2,810[3]	32	97	1.8	82.4	82.4	82.4	0.0
F	3,260[3]	20	24	7.5	86.1	86.1	86.1	0.0

[1] Feet above confluence with Ho-Ho-Kus Brook
[2] Feet above confluence with Pascack Brook
[3] Feet above confluence with Hackensack River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

RAMSEY BROOK-RESERVIOR BROOK-RIVERVALE BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Saddle Brook								
A	496[1]	88	289	1.6	91.8	90.5[2]	90.5	0.0
B	1,470[1]	80	114	4.0	96.3	96.3	96.5	0.2
C	2,404[1]	12	43	10.4	104.1	104.1	104.1	0.0
D	2,970[1]	85	183	2.5	112.1	112.1	112.1	0.0
E	3,720[1]	359	3,051	0.1	127.4	127.4	127.5	0.1
F	4,280[1]	159	1,138	0.4	138.8	138.8	138.8	0.0
G	5,020[1]	28	55	8.2	150.2	150.2	150.2	0.0
Saddle River								
A	298[3]	65	418	14.4	14.2	5.4[4]	5.4	0.0
B	2,970[3]	114	981	6.1	15.6	15.6	15.6	0.0
C	3,406[3]	178	1,588	3.8	16.7	16.7	16.9	0.2
D	5,769[3]	213	1,422	4.2	18.0	18.0	18.1	0.1
E	7,022[3]	265	1,798	3.4	19.7	19.7	19.7	0.0
F	8,218[3]	133	957	6.3	20.4	20.4	20.5	0.1
G	8,611[3]	116	1,093	5.5	21.8	21.8	21.9	0.1
H	9,866[3]	231	1,634	3.7	22.9	22.9	23.1	0.2
I	10,202[3]	109	1,002	6.0	23.6	23.6	23.7	0.1
J	10,790[3]	109	952	6.3	24.3	24.3	24.4	0.1
K	12,080[3]	221	1,019	5.9	25.9	25.9	26.0	0.1
L	12,330[3]	330	1,026	5.9	26.6	26.6	26.7	0.1
M	14,134[3]	511	2,037	3.0	29.0	29.0	29.2	0.2
N	14,371[3]	414	2,732	2.2	29.6	29.6	29.7	0.1
O	15,161[3]	107	829	7.3	29.6	29.6	29.8	0.2
P	15,448[3]	248	1,578	3.8	32.2	32.2	32.3	0.1

[1] Feet above confluence with Saddle River
[2] Elevation computed w/o consideration of backwater effects from Saddle River
[3] Feet above confluence with Passaic River
[4] Computed without backwater effects from the Passaic River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

SADDLE BROOK-SADDLE RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Saddle River (continued)								
Q	16,696	171	1,418	4.3	34.0	34.0	34.2	0.2
R	16,968	163	1,421	4.1	34.5	34.5	34.7	0.2
S	17,880	151	1,166	5.0	35.6	35.6	35.7	0.1
T	19,323	128	1,465	4.0	40.6	40.6	40.7	0.1
U	21,109	376	4,379	1.3	41.2	41.2	41.3	0.1
V	21,464	614	5,231	1.1	42.6	42.6	42.8	0.2
W	24,002	1,075	10,108	0.6	42.7	42.7	42.9	0.2
X	26,158	765	5,684	1.0	42.8	42.8	43.0	0.2
Y	26,403	780	5,560	1.1	42.9	42.9	43.1	0.2
Z	26,848	1,007	7,644	1.0	43.3	43.3	43.5	0.2
AA	29,038	476	3,187	2.1	43.5	43.5	43.7	0.2
AB	31,447	140	1,279	5.3	44.9	44.9	45.0	0.1
AC	32,368	240	2,420	2.8	48.2	48.2	48.3	0.1
AD	33,691	713	6,018	1.1	48.6	48.6	48.7	0.1
AE	37,989	240	2,031	3.4	49.4	49.4	49.5	0.1
AF	38,288	665	5,651	1.2	50.3	50.3	50.4	0.1
AG	40,120	1,248	3,491	2.0	50.8	50.8	50.9	0.1
AH	44,044	1,859	6,481	0.9	52.9	52.9	53.1	0.2
AI	44,458	1,685	3,873	1.6	53.1	53.1	53.3	0.2
AJ	44,736	1,047	2,904	2.1	53.7	53.7	53.8	0.1
AK	47,846	550	1,449	4.2	57.2	57.2	57.4	0.2
AL	49,225	174	1,744	3.5	61.2	61.2	61.3	0.1
AM	51,626	393	1,189	5.1	63.7	63.7	63.9	0.2
AN	52,803	173	872	6.9	66.4	66.4	66.6	0.2
AO	53,067	299	1,268	4.7	67.5	67.5	67.6	0.1
AP	56,235	282	1,493	5.5	74.7	74.7	74.8	0.1

[1] Feet above confluence with Passaic River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

SADDLE RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Saddle River (continued)								
AQ	56,521	474	2,178	2.8	76.8	76.8	76.9	0.1
AR	57,886	278	1,724	3.5	77.8	77.8	78.0	0.2
AS	58,183	264	2,579	2.3	84.9	84.9	85.1	0.2
AT	59,294	245	1,664	3.6	87.5	87.5	87.6	0.1
AU	61,404	550	3,144	1.9	91.6	91.6	91.8	0.2
AV	62,396	432	2,569	2.3	93.0	93.0	93.1	0.1
AW	64,752	584	2,142	2.7	96.3	96.3	96.5	0.2
AX	65,486	187	835	7.0	98.1	98.1	98.2	0.1
AY	65,766	556	2,417	2.4	101.3	101.3	101.5	0.2
AZ	68,407	326	1,795	3.3	107.6	107.6	107.8	0.2
BA	69,811	998	3,308	1.8	109.5	109.5	109.7	0.2
BB	72,137	434	1,805	3.3	116.1	116.1	116.2	0.1
BC	72,391	395	2,081	2.8	118.7	118.7	118.8	0.1
BD	75,648	387	1,579	3.7	124.9	124.9	125.0	0.1
BE	77,854	690	2,344	2.5	132.7	132.7	132.8	0.1
BF	79,874	415	909	6.4	141.6	141.6	141.6	0.0
BG	80,760	509	3,090	1.9	145.2	145.2	145.4	0.2
BH	81,548	412	2,077	2.8	145.9	145.9	146.1	0.2
BI	83,247	390	2,125	3.5	151.6	151.6	151.7	0.1
BJ	83,706	438	1,252	4.7	152.0	152.0	152.1	0.1

[1] Feet above confluence with Passaic River

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ
(ALL JURISDICTIONS)

FLOODWAY DATA

SADDLE RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Saddle River (continued)								
BK	84,874[1]	422	1,407	4.2	158.9	158.9	159.0	0.1
BL	86,041[1]	358	1,174	5.0	162.2	162.2	162.3	0.1
BM	88,173[1]	360	1,168	5.0	169.1	169.1	169.2	0.1
BN	88,780[1]	363	1,888	2.7	174.3	174.3	174.4	0.1
BO	89,208[1]	307	1,025	5.0	175.7	175.7	175.9	0.2
BP	90,500[1]	711	2,775	1.9	179.4	179.4	179.6	0.2
BQ	92,189[1]	540	2,675	1.9	191.0	191.0	191.2	0.2
BR	92,434[1]	362	1,210	2.0	192.2	192.2	192.2	0.0
BS	93,485[1]	272	313	7.6	195.0	195.0	195.0	0.0
Sparkill Brook								
A	600[2]	243	620	1.6	29.8	26.3[3]	26.5	0.2
B	1,600[2]	309	604	1.6	29.8	27.2[3]	27.4	0.2
C	2,300[2]	158	148	6.6	29.8	27.6[3]	27.7	0.1
D	3,100[2]	211	602	1.5	29.8	29.7[3]	29.8	0.1
E	4,650[2]	280	549	1.6	31.2	31.2	31.3	0.1
F	5,750[2]	144	437	2.0	33.8	33.8	33.8	0.0
G	6,440[2]	38	175	5.4	34.8	34.8	34.8	0.0
H	7,150[2]	180	213	4.5	37.3	37.3	37.4	0.1
I	7,750[2]	240	254	3.2	39.6	39.6	39.7	0.1
J	8,350[2]	210	472	2.0	41.0	41.0	41.1	0.1
K	9,000[2]	35	126	7.5	43.2	43.2	43.2	0.0

[1] Feet above confluence with Passaic River
[2] Feet above confluence with Sparkill Creek
[3] Elevation computed w/o consideration of backwater effects from Sparkill Creek

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

SPARKILL BROOK-SPARKILL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Sparkill Creek								
A	17,942[4]	218[5]	470	4.0	33.8	33.8	33.8	0.0
B	18,197[4]	230[5]	821	2.3	34.4	34.4	34.5	0.1
C	18,896[4]	100[5]	492	3.8	36.0	36.0	36.1	0.1
Sparrow Bush Brook								
A	350[3]	21	44	8.3	267.2	267.2	267.2	0.0
B	842[3]	25	47	7.8	290.0	290.0	290.0	0.0
C	1,122[3]	24	46	7.9	297.6	297.6	297.6	0.0
D	1,692[3]	19	43	8.6	318.1	318.1	318.1	0.0
E	1,972[3]	16	42	8.6	323.4	323.4	323.5	0.1
Sprout Brook								
A	1,550[1]	46	201	4.3	42.7	35.1[2]	35.3	0.2
B	2,370[1]	44	222	3.9	42.7	36.1[2]	36.3	0.2
C	2,825[1]	45	262	3.3	42.7	36.7[2]	36.9	0.2
D	3,835[1]	45	248	3.5	42.7	37.9[2]	38.1	0.2
E	4,310[1]	44	300	2.9	42.7	39.3[2]	39.5	0.2
F	5,430[1]	45	195	4.5	42.7	39.9[2]	40.0	0.1
G	6,578[1]	53	292	3.0	42.7	41.7[2]	41.7	0.0
H	7,465[1]	47	319	2.7	42.7	42.7	42.9	0.2
I	8,345[1]	68	376	2.3	43.4	43.4	43.5	0.1
J	9,067[1]	51	360	2.4	43.8	43.8	44.0	0.2
K	9,545[1]	119	614	1.4	44.1	44.1	44.3	0.2
L	10,140[1]	142	644	1.4	44.2	44.2	44.4	0.2

[1] Feet above confluence with Saddle River
[2] Elevation computed w/o consideration of backwater effects from Saddle River
[3] Feet above confluence with West Branch Saddle River
[4] Feet above confluence with Hudson River in Rockland County, NY
[5] This width extends beyond the county boundary

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

SPARKILL CREEK-SPARROW BUSH BROOK-SPROUT BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Sprout Brook (continued)								
M	11,000[1]	61	343	2.5	44.5	44.5	44.7	0.2
N	11,900[1]	51	296	2.7	45.2	45.2	45.3	0.1
O	12,630[1]	132	680	1.2	45.4	45.4	45.5	0.1
P	13,010[1]	183	833	1.0	45.4	45.4	45.5	0.1
Q	14,720[1]	50	305	2.6	45.6	45.6	45.8	0.2
R	16,225[1]	72	346	2.3	46.1	46.1	46.3	0.2
S	16,225[1]	72	346	2.3	46.1	46.1	46.3	0.2
T	16,980[1]	27	111	7.3	46.1	46.1	46.3	0.2
U	17,505[1]	56	185	4.4	47.7	47.7	47.7	0.0
V	18,075[1]	34	151	5.3	48.7	48.7	48.7	0.0
W	19,206[1]	53	238	3.4	50.1	50.1	50.1	0.0
X	19,938[1]	52	233	3.4	50.7	50.7	50.7	0.0
Y	20,387[1]	152	606	1.3	51.0	51.0	51.0	0.0
Z	21,253[1]	100	628	1.3	51.2	51.2	51.3	0.1
AA	21,832[1]	72	351	2.3	51.2	51.2	51.3	0.1
AB	22,710[1]	121	459	1.8	51.7	51.7	51.9	0.2
AC	22,995[1]	99	446	1.8	51.8	51.8	52.0	0.2
Stateline Brook								
A	330[2]	31	39	4.4	197.8	197.8	197.8	0.0
B	540[2]	50	44	3.9	202.5	202.5	202.5	0.0
C	680[2]	40	45	3.8	205.0	205.0	205.1	0.1

[1] Feet above confluence with Saddle River

[2] Feet above confluence with Pascack Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

SPROUT BROOK-STATELINE BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Steinals Ditch								
A	1,860[1]	28	71	6.3	25.7	22.3[4]	22.5	0.2
B	2,310[1]	18	47	9.5	25.7	25.2[4]	25.2	0.0
C	2,630[1]	37	74	5.1	27.8	27.8	27.9	0.1
D	2,921[1]	14	41	9.2	28.3	28.3	28.3	0.0
E	3,420[1]	51	201	1.9	30.1	30.1	30.3	0.2
F	4,110[1]	52	60	6.9	30.7	30.7	30.7	0.0
G	4,250[1]	90	198	2.1	33.2	33.2	33.4	0.2
H	4,700[1]	20	56	7.3	37.3	37.3	37.3	0.0
I	5,280[1]	31	43	7.9	41.7	41.7	41.7	0.0
J	5,820[1]	28	48	7.2	48.3	48.3	48.3	0.0
K	6,340[1]	30	99	3.5	50.1	50.1	50.3	0.2
L	6,690[1]	50	206	1.7	53.1	53.1	53.1	0.0
M	6,820[1]	65	268	1.3	53.1	53.1	53.1	0.0
N	6,870[1]	140	965	0.4	53.1	53.1	53.1	0.0
O	7,058[1]	40	144	2.4	53.1	53.1	53.1	0.0
P	7,178[1]	40	96	3.6	53.1	53.1	53.1	0.0
Tandy Brook								
A	870[2]	25	51	6.4	61.3	57.9[3]	57.9	0.0
B	1,740[2]	30	158	2.1	70.0	70.0	70.0	0.0
C	2,500[2]	110	262	1.2	70.8	70.8	71.0	0.2
D	3,545[2]	60	230	1.4	71.1	71.1	71.3	0.2
E	4,640[2]	9	31	10.4	96.1	96.1	96.1	0.0

[1] Feet above confluence with Oradell Reservoir (Hackensack River)
[2] Feet above confluence with Pascack Brook
[3] Elevation computed without consideration of backwater effects from Pascack Brook
[4] Elevation computed without consideration of backwater effects from Oradell Reservoir

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

STEINALS DITCH-TANDY BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Tappan Run								
A	250[1]	67	142	4.4	37.0	34.9[2]	35.1	0.2
B	920[1]	185	278	2.2	37.7	37.7	37.9	0.2
C	1,230[1]	195	181	3.4	38.5	38.5	38.6	0.1
D	1,900[1]	116	141	4.1	41.8	41.8	41.9	0.1
E	2,300[1]	62	160	3.8	46.0	46.0	46.0	0.0
F	2,530[1]	63	297	2.0	47.8	47.8	47.9	0.1
G	2,800[1]	50	281	2.2	48.8	48.8	48.9	0.1
H	3,250[1]	50	385	1.6	52.1	52.1	52.1	0.0
I	3,800[1]	50	302	2.0	52.1	52.1	52.1	0.0
J	4,250[1]	50	385	1.4	53.9	53.9	53.9	0.0
Teaneck Creek								
A	570[3]	85	594	1.7	5.7	4.0[4]	4.2	0.2
B	1,260[3]	59	333	3.0	5.7	5.4[4]	5.6	0.2
C	1,830[3]	77	448	2.2	5.7	5.7	5.9	0.2
D	2,740[3]	67	387	2.5	5.9	5.9	6.1	0.2
E	3,318[3]	79	371	2.3	5.9	5.9	6.1	0.2
F	3,918[3]	172	478	1.8	6.2	6.2	6.4	0.2
G	4,303[3]	164	335	2.5	6.5	6.5	6.7	0.2
H	5,128[3]	54	224	3.8	7.7	7.7	7.9	0.2

[1] Feet above confluence with Dorotockey's Run
[2] Elevation computed without consideration of backwater effects from Dorotockey's Run
[3] Feet above confluence with Overpeck Creek
[4] Elevation computed without consideration of backwater effects from Newark Bay

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

TAPPAN RUN-TEANECK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Tenakill Brook								
A	300	186	639	2.7	27.5	27.5	27.7	0.2
B	900	192	785	2.2	27.7	27.7	27.9	0.2
C	1,400	160	546	3.1	28.5	28.5	28.7	0.2
D	1,800	154	533	3.2	29.0	29.0	29.1	0.1
E	2,200	158	565	3.0	29.3	29.3	29.5	0.2
F	2,800	147	522	3.3	29.9	29.9	30.1	0.2
G	3,600	184	689	2.5	30.9	30.9	31.1	0.2
H	4,500	275	1,429	1.2	31.2	31.2	31.2	0.0
I	5,400	270	1,278	1.3	31.3	31.3	31.5	0.2
J	6,300	272	1,366	1.2	31.5	31.5	31.7	0.2
K	6,850	272	1,305	1.3	31.6	31.6	31.8	0.2
L	7,600	275	1,072	1.6	31.8	31.8	32.0	0.2
M	8,200	50	261	6.5	31.9	31.9	32.1	0.2
N	8,650	154	560	3.0	34.0	34.0	34.1	0.1
O	9,300	188	1,356	1.3	36.2	36.2	36.4	0.2
P	9,700	210	861	2.0	36.2	36.2	36.4	0.2
Q	10,800	235	1,171	1.5	37.7	37.7	37.9	0.2
R	11,700	265	1,273	0.9	37.8	37.8	38.0	0.2
S	12,500	252	1,059	1.1	37.8	37.8	38.0	0.2
T	13,300	243	1,013	0.4	37.9	37.9	38.1	0.2
U	14,000	164	682	0.6	38.0	38.0	38.2	0.2
V	14,900	152	411	1.1	38.0	38.0	38.2	0.2
W	15,270	198	626	0.7	38.1	38.1	38.3	0.2

[1] Feet above confluence with Oradell Reservoir (Hackensack River)

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

TENAKILL BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Tenakill Brook (continued)								
X	16,100[1]	203	703	0.6	38.2	38.2	38.4	0.2
Y	16,700[1]	213	827	0.5	38.2	38.2	38.4	0.2
Z	17,050[1]	210	1,677	0.3	38.2	38.2	38.4	0.2
AA	17,940[1]	80	206	2.1	38.6	38.6	38.8	0.2
AB	18,145[1]	111	465	0.9	38.7	38.7	38.9	0.2
AC	18,700[1]	52	339	1.3	38.7	38.7	38.9	0.2
AD	19,180[1]	49	307	1.4	38.8	38.8	39.0	0.2
AE	19,825[1]	51	268	1.6	39.0	39.0	39.2	0.2
AF	20,210[1]	78	348	1.3	39.0	39.0	39.2	0.2
AG	20,365[1]	114	376	1.2	39.0	39.0	39.2	0.2
AH	20,780[1]	42	215	2.0	39.4	39.4	39.6	0.2
AI	21,525[1]	41	237	1.9	39.7	39.7	39.9	0.2
AJ	21,910[1]	30	112	3.9	40.0	40.0	40.2	0.2
AK	22,310[1]	13	47	9.4	40.3	40.3	40.4	0.1
Township Brook								
A	190[2]	19	55	7.0	59.5	55.7[3]	55.9	0.2
B	414[2]	60	83	4.7	60.7	60.7	60.8	0.1
C	882[2]	40	82	4.7	64.3	64.3	64.5	0.2
D	1,130[2]	60	186	2.1	65.5	65.5	65.6	0.1
E	1,518[2]	80	96	4.0	67.3	67.3	67.3	0.0
F	1,976[2]	130	326	1.2	68.4	68.4	68.6	0.2
G	2,440[2]	170	366	1.1	68.6	68.6	68.8	0.2

[1] Feet above confluence with Oradell Reservoir (Hackensack River)
[2] Feet above confluence with Pascack Brook
[3] Elevation computed without consideration of backwater effects from Pascack Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

TENAKILL BROOK-TOWNSHIP BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Valentine Brook								
A	570	40	140	7.6	293.8	293.8	294.0	0.2
B	1,510	215	427	2.5	299.3	299.3	299.3	0.0
C	2,540	63	168	6.4	304.7	304.7	304.8	0.1
D	3,730	70	276	3.9	309.5	309.5	309.6	0.1
E	4,330	220	840	1.3	310.6	310.6	310.8	0.2
F	5,440	140	238	4.5	315.2	315.2	315.2	0.0
G	6,910	160	475	2.2	321.3	321.3	321.5	0.2
H	7,720	135	347	3.1	323.9	323.9	324.0	0.1
I	8,670	173	568	1.9	329.6	329.6	329.8	0.2
J	9,085	539	1,773	0.8	329.7	329.7	329.9	0.2
K	9,135	550	1,317	0.8	330.0	330.0	330.1	0.1
L	9,650	65	257	2.3	331.1	331.1	331.1	0.0
M	10,010	214	526	1.1	331.2	331.2	331.4	0.2
N	10,060	209	476	1.1	331.2	331.2	331.4	0.2
O	10,380	365	1,172	0.8	331.3	331.3	331.5	0.2
P	10,820	78	123	4.6	331.3	331.3	331.5	0.2
Q	12,210	456	656	1.1	334.1	334.1	334.3	0.2
R	12,800	25	50	8.0	335.9	335.9	335.9	0.0
S	13,240	32	111	3.6	339.0	339.0	339.1	0.1
T	13,400	95	251	1.6	339.8	339.8	339.9	0.1
U	13,600	130	364	0.5	340.0	340.0	340.1	0.1
V	13,850	65	114	1.7	340.1	340.1	340.2	0.1
W	14,135	107	74	4.6	345.3	345.3	345.4	0.1

[1] Feet above confluence with Ho-Ho-Kus Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

VALENTINE BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Valentine Brook (continued)								
X	14,335[1]	39	126	1.6	347.2	347.2	347.2	0.0
Y	14,570[1]	46	88	2.5	347.7	347.7	347.8	0.1
Z	14,620[1]	10	27	7.0	347.7	347.7	347.9	0.2
Valentine Brook Tributary No. 1								
A	450[2]	200	340	0.6	341.4	341.4	341.6	0.2
B	820[2]	95	156	1.4	341.4	341.4	341.6	0.2
C	1,250[2]	26	65	2.9	342.1	342.1	342.3	0.2
D	1,310[2]	15	28	7.6	342.1	342.1	342.3	0.2
E	1,800[2]	35	67	2.9	343.8	343.8	343.9	0.1
F	2,085[2]	51	68	3.0	345.1	345.1	345.3	0.2
Valentine Brook Tributary No.2								
A	750[2]	134	630	0.6	330.3	330.3	330.5	0.2
B	1,015[2]	43	159	2.2	330.3	330.3	330.5	0.2
C	1,075[2]	90	212	1.6	330.3	330.3	330.5	0.2
D	1,700[2]	170	508	0.7	330.7	330.7	330.8	0.1
E	1,925[2]	273	437	0.8	330.7	330.7	330.8	0.1
F	1,960[2]	273	370	0.9	330.7	330.7	330.8	0.1
G	2,700[2]	427	226	1.5	331.6	331.6	331.6	0.0
H	3,670[2]	184	407	0.6	332.3	332.3	332.5	0.2

[1] Feet above confluence with Ho-Ho-Kus Brook
[2] Feet above confluence with Valentine Brook

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

VALENTINE BROOK-VALENTINE BROOK TRIBUTARY NO 1- VALENTINE BROOK TRIBUTARY NO 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Valentine Brook Tributary No.2 (continued)								
I	4,500[1]	298	*	*	*	*	*	*
J	5,175[1]	260	*	*	*	*	*	*
K	5,600[1]	211	720	1.3	339.0	339.0	339.2	0.2
Van Saun Mill Brook								
A	195[2]	52	308	3.9	15.1	15.1	15.3	0.2
B	450[2]	128	829	1.4	16.6	16.6	16.8	0.2
C	825[2]	154	823	1.5	16.6	16.6	16.8	0.2
D	1,375[2]	77	421	2.8	16.7	16.7	16.9	0.2
E	1,870[2]	99	411	2.9	16.8	16.8	17.0	0.2
F	2,245[2]	52	333	3.6	17.1	17.1	17.3	0.2
G	2,585[2]	94	464	2.6	17.5	17.5	17.7	0.2
H	2,850[2]	59	305	3.9	17.5	17.5	17.7	0.2
I	3,495[2]	95	439	2.7	18.3	18.3	18.4	0.1
J	3,865[2]	62	309	3.9	18.5	18.5	18.7	0.2
K	4,750[2]	84	456	2.6	26.5	26.5	26.6	0.1
L	5,145[2]	78	322	3.7	26.6	26.6	26.7	0.1
M	6,195[2]	208	1,611	0.7	29.9	29.9	29.9	0.0
N	6,700[2]	43	257	4.7	29.9	29.9	29.9	0.0
O	7,280[2]	123	396	3.0	30.5	30.5	30.6	0.1
P	7,970[2]	29	137	3.6	30.7	30.7	30.9	0.2
Q	8,590[2]	200	737	0.7	35.9	35.9	36.1	0.2

[1] Feet above confluence with Valentine Brook

[2] Feet above confluence with Coles Brook

*Floodway coincident w/1% annual chance floodplain at these cross sections because of flood routing procedure used to establish the base flood elevation

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

VALENTINE BROOK TRIBUTARY NO. 2- VAN SUAN MILL BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Van Saun Mill Brook (continued)								
R	8,870[1]	105	288	1.7	35.9	35.9	36.1	0.2
S	9,120[1]	65	138	3.5	35.9	35.9	36.1	0.2
T	9,690[1]	20	182	2.7	42.1	42.1	42.3	0.2
U	10,300[1]	37	154	3.2	43.2	43.2	43.4	0.2
V	10,685[1]	35	107	4.5	44.2	44.2	44.3	0.1
W	11,310[1]	52	162	3.0	45.6	45.6	45.6	0.0
X	11,780[1]	90	259	1.9	46.3	46.3	46.5	0.2
West Branch Saddle River								
A	2,220[2]	200	263	4.4	226.1	226.1	226.1	0.0
B	2,892[2]	122	164	7.1	231.5	231.5	231.5	0.0
C	3,502[2]	34	112	10.4	241.4	241.4	241.4	0.0
D	4,128[2]	424	664	1.7	248.8	248.8	249.0	0.2
E	4,608[2]	514	351	3.3	256.4	256.4	256.4	0.0
F	5,287[2]	32	90	9.6	266.1	266.1	266.1	0.0
G	6,807[2]	29	87	10.0	292.3	292.3	292.3	0.0
H	8,117[2]	54	130	6.7	311.8	311.8	311.8	0.0

*Data not available – see Saddle River, downstream of cross-section 'BE'.

[1] Feet above confluence with Coles Brook

[2] Feet above confluence with Saddle River

[3] Width: combined West Branch Saddle River/East Branch Saddle River floodway, cross-sections A and B not shown on FIRM.

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

VAN SUAN MILL BROOK- WEST BRANCH SADDLE RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Westdale Brook								
A	600[1]	110	164	1.5	55.9	51.4[2]	51.5	0.1
B	700[1]	110	254	1.0	55.9	51.5[2]	51.6	0.1
C	1,390[1]	52	74	3.4	55.9	51.8[2]	52.0	0.2
D	2,350[1]	114	317	0.8	55.9	52.3[2]	52.5	0.2
Wolf Creek								
A	1,156[3]	47	173	6.5	8.0	2.7[4]	2.9	0.2
B	1,889[3]	37	128	8.7	8.0	6.9[4]	7.0	0.1
C	2,463[3]	60	361	3.1	13.8	13.8	13.8	0.0
D	3,000[3]	30	162	6.9	15.9	15.9	16.1	0.2
E	3,500[3]	50	271	4.1	17.6	17.6	17.7	0.1
F	4,031[3]	170	471	2.4	18.5	18.5	18.7	0.2
G	4,550[3]	415	1,187	1.0	19.1	19.1	19.3	0.2
H	5,013[3]	430	1,232	1.0	19.8	19.8	20.0	0.2
I	5,662[3]	140	323	3.5	20.7	20.7	20.9	0.2
J	6,275[3]	298	346	3.2	25.6	25.6	25.6	0.0
K	6,670[3]	179	369	3.0	26.7	26.7	26.7	0.0
L	7,421[3]	80	288	3.9	30.8	30.8	30.8	0.0
M	8,039[3]	80	391	2.9	37.1	37.1	37.1	0.0

[1] Feet above confluence with Pascack Brook
[2] Elevation computed without consideration of backwater effects from Pascack Brook
[3] Feet above confluence with Bellmans Creek
[4] Elevation computed without consideration of backwater effects from Bellmans Creek

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

WESTDALE BROOK- WOLF CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Wolf Creek (continued)								
N	8,835	38	217	5.2	46.3	46.3	46.4	0.1
O	9,325	65	169	6.6	55.2	55.2	55.3	0.1
P	9,827	41	122	9.2	72.3	72.3	72.3	0.0
Q	10,461	33	108	10.4	150.8	150.8	150.8	0.0
R	11,000	30	105	10.7	199.4	199.4	199.4	0.0

[1]Feet above confluence with Bellmans Creek

TABLE 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ (ALL JURISDICTIONS)

FLOODWAY DATA

WOLF CREEK

5.0 INSURANCE APPLICATIONS

For flood insurance rating purposes, flood insurance zone designations are assigned to a community based on the results of the engineering analyses. The zones are as follows:

Zone A

Zone A is the flood insurance rate zone that corresponds to the 1% annual chance floodplains that are determined in the FIS by approximate or limited detailed methods. Because detailed hydraulic analyses are not performed for such areas, no base flood elevations or depths are shown within this zone.

Zone AE

Zone AE is the flood insurance rate zone that corresponds to the 1% annual chance floodplains that are determined in the FIS by detailed methods. In most instances, whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone AH

Zone AH is the flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone AO

Zone AO is the flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually sheet flow on sloping terrain) where average depths are between 1 and 3 feet. Average whole-depths derived from the detailed hydraulic analyses are shown within this zone.

Zone AR

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

Zone A99

Zone A99 is the flood insurance rate zone that corresponds to areas of the 1% annual chance floodplain that will be protected by a Federal flood protection system

where construction has reached specified statutory milestones. No base flood elevations or depths are shown within this zone.

Zone V

Zone V is the flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Because approximate hydraulic analyses are performed for such areas, no base flood elevations are shown within this zone.

Zone VE

Zone VE is the flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone X

Zone X is the flood insurance rate zone that corresponds to areas outside the 0.2% annual chance floodplain, areas within the 0.2% annual chance floodplain, and to areas of 1% annual chance flooding where average depths are less than 1 foot, areas of 1% annual chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1% annual chance flood by levees. No base flood elevations or depths are shown within this zone.

Zone D

Zone D is the flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined, but possible.

6.0 FLOOD INSURANCE RATE MAP

The FIRM is designed for flood insurance and floodplain management applications.

Table 16 "Incorporated Letters of Map Change (LOMCs)" presents Letters of Map Change (LOMCs) incorporated into this countywide study.

For flood insurance applications, the map designates flood insurance rate zones as described in Section 5.0 and, in the 1% annual chance floodplains that were studied by detailed methods, shows selected whole-foot base flood elevations or average depths. Insurance agents use the zones and base flood elevations in conjunction with information on structures and their contents to assign premium rates for flood insurance policies.

For floodplain management applications, the map shows by tints, screens, and symbols, the 1% and 0.2% annual chance floodplains. Floodways and the locations of selected cross sections used in the hydraulic analyses and floodway computations are shown where applicable.

This countywide FIRM presents flooding information for the entire geographic area of Bergen County. Historical data relating to the maps prepared for each flood prone community are presented in Table 17, "Community Map History".

TABLE 16 – INCORPORATED LETTERS OF MAP CHANGE (LOMCs)

Case Number	Effective Date	Flooding Source	FIRM Panel(s)
17-02-0405P	1/5/2018	French Brook	34003C0192H
17-02-0405P	1/5/2018	French Brook	34003C0192H
07-02-0297P	2/26/2007	Allendale Brook	34003C0069J
06-02-B594P	7/21/2006	N/A [1]	34003C0114H

[1] Correction for Bergen County Corporate Limits

COMMUNITY NAME	INITIAL IDENTIFICATION DATE	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Allendale, Borough of	March 16, 1973	None	July 2, 1979	July 23, 1982 August 18, 1992
Alpine, Borough of[1,2]	n/a	n/a	n/a	
Bergenfield, Borough of	January 9, 1974	None	June 1, 1977	October 10, 1979 May 17, 1988
Bogota, Borough of	May 31, 1974	February 27, 1976	April 1, 1982	
Carlstadt, Borough of[3]	April 12, 1074	n/a	September 20, 1995	
Cliffside Park, Borough of[1,2]	n/a	n/a	n/a	
Closter, Borough of	September 6, 1974	April 9, 1976	April 18, 1983	
Cresskill, Borough of	July 26, 1974	June 18, 1976	December 1, 1981	September 18, 1986
Demarest, Borough of	March 15, 1974	None	September 30, 1981	
Dumont, Borough of	May 28, 1976	None	November 18, 1977	May 5, 1978 June 15, 1988
East Rutherford, Borough of	April 12, 1974	August 13, 1976	December 16, 1980	
Edgewater, Borough of	August 2, 1974	October 10, 1980	April 1, 1983	June 1, 1984

[1] No Special Flood Hazard Areas identified.
[2] This community does not have a map history prior to the first countywide mapping.
[3] This community does not have a FIRM prior to the first countywide FIRM for Bergen County.

TABLE 17

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION DATE	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Elmwood Park, Borough of	January 4, 1974	None	November 15, 1979	February 26, 1982
Emerson, Borough of	June 15, 1973	October 21, 1977	September 30, 1980	
Englewood Cliffs, Borough of[1,2]	n/a	n/a	n/a	
Englewood, City of	October 29, 1976	None	February 19, 1986	
Fair Lawn, Borough of	December 28, 1973	February 6, 1976	July 2,1981	July 2, 1991
Fairview, Borough of	January 25, 1974	July 30, 1976	August 2, 1982	
Fort Lee, Borough of[1,2]	n/a	n/a	n/a	
Franklin Lakes, Borough of	July 26, 1974	May 28, 1976	August 15, 1984	
Garfield, City of	June 29, 1973	None	April 15, 1980	November 1, 1984
Glen Rock, Borough of	June 28, 1974	January 30, 1976	July 2, 1981	
Hackensack, City of	June 28, 1974	October 31, 1975	December 1, 1982	
Harrington Park, Borough of	June 28, 1974	September 24, 1976	April 15, 1981	March 15, 1984
Hasbrouck Heights, Borough of	November 30, 1973	None	June 30, 1976	
Haworth, Borough of	January 25, 1974	April 30, 1976	October 15, 1981	

[1] No Special Flood Hazard Areas identified.
[2] This community does not have a map history prior to the first countywide mapping.

TABLE 17

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION DATE	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Hillsdale, Borough of	January 16, 1974	September 24, 1976	December 15, 1981	
Ho-Ho-Kus, Borough of	June 22, 1973	None	June 1, 1977	January 3, 1986
Leonia, Borough of	July 11, 1975	None	July 5, 1982	March 4, 1991
Little Ferry, Borough of	December 28, 1973	August 13, 1976	June 15, 1982	
Lodi, Borough of	July 27, 1973	April 30, 1976	February 15, 1978	December 4, 1984
Lyndhurst, Township of	July 26, 1974	August 13, 1976	June 15, 1978	
Mahwah, Township of	April 5, 1974	June 11, 1976 February 3, 1978	November 3, 1982	March 16, 1988
Maywood, Borough of	August 15, 1977	None	August 15, 1977	December 30, 1977 January 17, 1990
Midland Park, Borough of	January 23, 1974	None	September 30, 1977	
Montvale, Borough of	September 6, 1974	June 18, 1976	June 15, 1981	
Moonachie, Borough of	June 28, 1974	August 13, 1976	March 18, 1983	
New Jersey Meadowlands Commission	October 8, 1976	None	December 15, 1982	
New Milford, Borough of	April 1, 1977	None	April 1, 1977	September 16, 1977 June 9, 1978 January 3, 1985 February 19, 1987

TABLE 17

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION DATE	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
North Arlington, Borough of	March 29, 1974	None	April 3, 1978	
Northvale, Borough of	August 31, 1973	July 30, 1976	January 20, 1982	
Norwood, Borough of	January 16, 1974	July 23, 1976	April 18, 1983	
Oakland, Borough of	June 30, 1970	None	June 30, 1970	July 1, 1974 July 23, 1976 August 20, 1982 November 1, 1985
Old Tappan, Borough of	June 22, 1973	None	April 15, 1977	
Oradell, Borough of	June 15, 1973	None	March 15, 1977	February 1, 1980 April 15, 1986
Palisades Park, Borough of	December 28, 1973	June 18, 1976	June 1, 1982	September 18, 1991
Paramus, Borough of	August 31, 1973	February 22, 1980 January 23, 1981	June 1, 1984	July 15, 1988 January 3, 1990 June 2, 1993
Park Ridge, Borough of	January 18, 1974	September 17, 1976	May 5, 1981	
Ramsey, Borough of	January 9, 1974	December 31, 1976	September 2, 1981	November 15, 1989
Ridgefield, Borough of	June 15, 1973	None	March 15, 1977	May 18, 1992
Ridgefield Park, Village of	June 28, 1974	January 2, 1976	October 15, 1982	July 16, 1991
Ridgewood, Village of	August 31, 1973	July 7, 1978	December 15, 1983	

TABLE 17

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION DATE	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
River Edge, Borough of	June 18, 1976	None	February 1, 1984	
River Vale, Township of	April 20, 1973	February 18, 1977	October 15, 1981	
Rochelle Park, Township of	June 22, 1973	March 5, 1976	March 28, 1980	December 18, 1981
Rockleigh, Borough of	January 3, 1975	None	May 17, 1982	
Rutherford, Borough of	April 12, 1974	None	June 1, 1978	
Saddle Brook, Township of	March 8, 1974	July 30, 1976	April 15, 1982	
Saddle River, Borough of	January 9, 1974	None	May 16, 1977	
South Hackensack, Township of	June 14, 1974	August 13, 1976	March 2, 1983	
Teaneck, Township of	June 14, 1974	October 3, 1975	October 16, 1984	December 17, 1991
Tenafly, Borough of	January 16, 1974	April 25, 1975 October 24, 1975	February 17, 1982	
Teterboro, Borough of[1,2]	n/a	n/a	n/a	
Upper Saddle River, Borough of	January 16, 1974	None	September 15, 1977	February 10, 1978
Waldwick, Borough of	December 28, 1973	August 6, 1976	March 1, 1979	January 6, 1988
Wallington, Borough of	June 14, 1974	June 4, 1976	June 4, 1980	
Washington, Township of	November 5, 1976	None	November 19, 1980	

[1] No Special Flood Hazard Areas identified. [2]This community does not have a map history prior to the first countywide mapping.

TABLE 17

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION DATE	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Westwood, Borough of	May 11, 1973	March 22, 1974 April 23, 1976	February 4, 1981	March 1, 1984
Woodcliff Lake, Borough of	February 22, 1974	September 24, 1976	September 2, 1981	
Wood-Ridge, Borough of	September 7, 1973	None	August 11, 1978	
Wyckoff, Township of	July 13, 1973	None	August 1, 1977	December 26, 1980

TABLE 17

FEDERAL EMERGENCY MANAGEMENT AGENCY

BERGEN COUNTY, NJ
(ALL JURISDICTIONS)

COMMUNITY MAP HISTORY

7.0 OTHER STUDIES

Information pertaining to revised and unrevised flood hazards for each jurisdiction within Bergen County has been compiled into this FIS. Therefore, this FIS supersedes all previously printed FIS reports and FIRMs for all of the incorporated jurisdictions within Bergen County.

This is a multi-volume FIS. Each volume may be revised separately, in which case it supersedes the previously printed volume. Users should refer to the Table of Contents in Volume 1 for the current effective date of each volume; volumes bearing those dates contain the most up-to-date flood hazard data.

8.0 LOCATION OF DATA

Information concerning the pertinent data used in preparation of this study can be obtained by contacting FEMA, Federal Insurance and Mitigation Division, 26 Federal Plaza, Room 1351, New York, New York 10278.

9.0 BIBLIOGRAPHY AND REFERENCES

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