

330192
335781
330235
330102
335780

Initial Countywide FIS Effective Date: September 25, 200

Federal Emergency Management Ag

FLOOD INSURANCE STUDY NUMBER
330076CV001A 

discuss the scope of the FIRM. A final CCO meeting is held to review the results of the study.

The dates of the initial and final CCO meetings held for all jurisdictions within Hillsborough County are shown in Table 1, "Initial and Final CCO Meetings."

TABLE 1 – INITIAL AND FINAL CCO MEETINGS

<u>Community Name</u>	<u>Initial CCO Date</u>	<u>Final CCO Date</u>
Town of Amherst	March 1976	August 17, 1978
Town of Antrim	August 1976	March 3, 1980
Town of Bedford	June 9, 1993 ¹	*
Town of Bennington	November 21, 1978	May 13, 1982
Town of Deering	March 1976	August 14, 1978
Town of Goffstown	March 1976	July 20, 1978
Town of Greenfield	March 1976	September 18, 1978
Town of Greenville	July 1977	July 10, 1979
Town of Hancock	November 21, 1978	May 10, 1982
Town of Hillsborough	March 1976	July 27, 1978
Town of Hollis	March 1976	March 23, 1978
Town of Hudson	January 1976	August 9, 1977
Town of Litchfield	March 1976	October 31, 1977
City of Manchester	December 1975	March 11, 1980
Town of Merrimack	March 1976	January 23, 1978
Town of Milford	March 1976	September 25, 1978
City of Nashua	September 16, 1998	November 9, 2000
Town of New Boston	July 15, 1997	*
Town of New Ipswich	September 1, 1987	May 29, 1990
Town of Pelham	March 1976	January 10, 1979
Town of Peterborough	March 1976	October 30, 1978
Town of Weare	September 1, 1987	June 24, 1992
Town of Wilton	March 1976	October 11, 1978

¹Notified by letter

*Data not available

For this countywide study, initial CCO meetings were held on April 18, 2002, May 28, 2002, and July 31, 2002. The meetings were attended by representatives of the USGS and FEMA.



This FIS covers the geographic area of Hillsborough County, New Hampshire.

All or portions of the flooding sources listed in Table 2, “Streams Studied by Detailed Methods,” were studied by detailed methods.

TABLE 2 – STREAMS STUDIED BY DETAILED METHODS


Autumn Brook	Hassells Brook	Ox Brook
Baboosic Brook	Holts Brook	Parkhurst Brook
Bartemus Brook	Hosley Brook	Peacock Brook
Beards Brook	Island Pond Brook	Pennichuck Brook
Beaver Brook No. 1	Joe English Brook	Piscataquog River
Beaver Brook No. 2	Limit Brook	Pointer Club Brook
Bettys Brook	Lyle Reed Brook	Pulpit Brook
Black Pond Brook	McQuade Brook	Purgatory Brook
Bog Brook	McQuade Brook Split Flow	Riddle Brook
Bowman Brook	Merrimack River	Salmon Brook
Caesars Brook	Middle Branch	Sand Brook
Chase Brook	 Piscataquog River	Second Brook
Contoocook River	Mill Brook	Shedd Brook
Deering Reservoir	Moose Brook	Sherburn Mill Brook
East Branch of	Nashua River	Simpson Mill Brook
Baboosic Brook	Naticook Brook	Souhegan River
Ferguson Brook	Nesenkeag Brook	South Branch
Gambol Brook	New Meadow Brook	Piscataquog River
Golden Brook	Nissitissit Brook	Spit Brook
Gorham Brook	North Branch	Stony Brook
Great Brook No. 1	North Branch	Tioga Brook
Great Brook No. 2	Contoocook River	Tributary A
Great Cohas Brook	North Channel	Tributary B No. 1
Gumpas Pond Brook	Piscataquog River	Tributary B No. 2
Gumpas Road Brook	Nubanusit Brook	Tucker Brook
Hartshorn Brook	Otter Brook	Witches Brook
	Otter Lake Brook	

Table 3, “Scope of Revision,” presents the status of each detailed study stream and the study limits for each. For many of these streams, the study limits include backwater from the receiving stream.

NEW IPSWICH, TOWN OF	330099	0345, 0355 0415, 0420, 0439, 0440, 0560, 0580, 0585	December 13, 1974	May 15, 1991	Sept
PELHAM, TOWN OF	330100	0536, 0538, 0539, 0543, 0544, 0657, 0659, 0676, 0677, 0678, 0679, 0681, 0682, 0683, 0684, 0701	February 22, 1974	March 14, 1980	Sept
PETERBOROUGH, TOWN OF	330101	0270, 0279, 0283, 0284, 0286, 0287, 0288, 0289, 0291, 0292, 0293, 0294, 0401°, 0402, 0403, 0404, 0410	February 22, 1974	May 1, 1980	Sept
†SHARON, TOWN OF	330192	0403, 0404, 0410, 0415, 0420			
†TEMPLE, TOWN OF	335781	0294, 0315, 0410, 0420, 0430, 0440, 0441			
WEARE, TOWN OF	330235	0070, 0090, 0095, 0156, 0157, 0158, 0159, 0166, 0170, 0176, 0177, 0180, 0181, 0182, 0183, 0184, 0188, 0189, 0190, 0191, 0192, 0193, 0194	February 14, 1975	June 2, 1993	Sept



COMMUNITY NAME	COMMUNITY NUMBER	LOCATED ON PANEL(S)	INITIAL NFIP MAP DATE	INITIAL FIRM DATE	MO: FIRM
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WILTON, TOWN OF	330102	0340, 0430, 0431, 0432, 0433, 0434, 0440, 0441, 0442, 0451, 0453, 0465	April 15, 1974	April 15, 1980	Sept
†WINDSOR, TOWN OF	335780	0017, 0020, 0106°, 0107°, 0108, 0109, 0126, 0128			

†Non-floodprone

*Panel Not Printed



MAP REPOSITORIES

(Maps available for reference only, not for distribution.)



AMHERST, TOWN OF:

Town Planning Department
2 Main St
Amherst, New Hampshire 03031

ANTRIM, TOWNSHIP OF:

Town Planning Department
66 Main St
Antrim, New Hampshire 03440

BEDFORD, TOWN OF:

Town Planning Department
24 North Amherst Road
Bedford, New Hampshire 03110

BENNINGTON, TOWN OF:

Town Hall
7 School Street
Bennington, New Hampshire 03442

BROOKLINE, TOWN OF:

Town Hall
One Main Street
Brookline, New Hampshire 03033

DEERING, TOWN OF:

Town Hall
762 Deering Center Road
Deering, New Hampshire 03244

FRANCESTOWN, TOWN OF:

Town Hall
27 Main Street
Francestown, New Hampshire 03043

COMMUNITY NAME

AMHERST, TOWN OF

ANTRIM, TOWNSHIP OF

BEDFORD, TOWN OF

BENNINGTON, TOWN OF

BROOKLINE, TOWN OF

DEERING, TOWN OF

FRANCESTOWN, TOWN OF

GOFFSTOWN, TOWN OF

GREENFIELD, TOWN OF

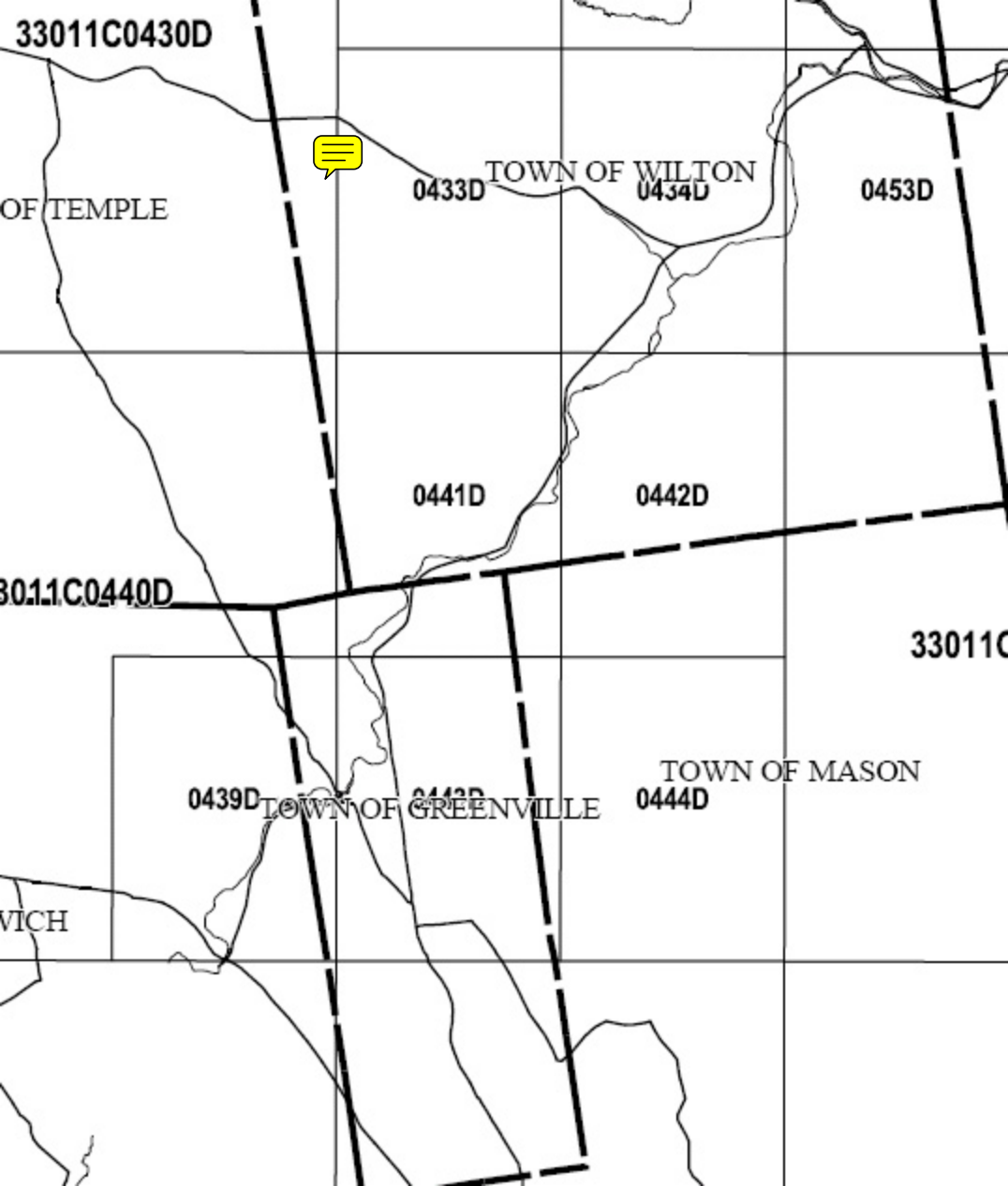
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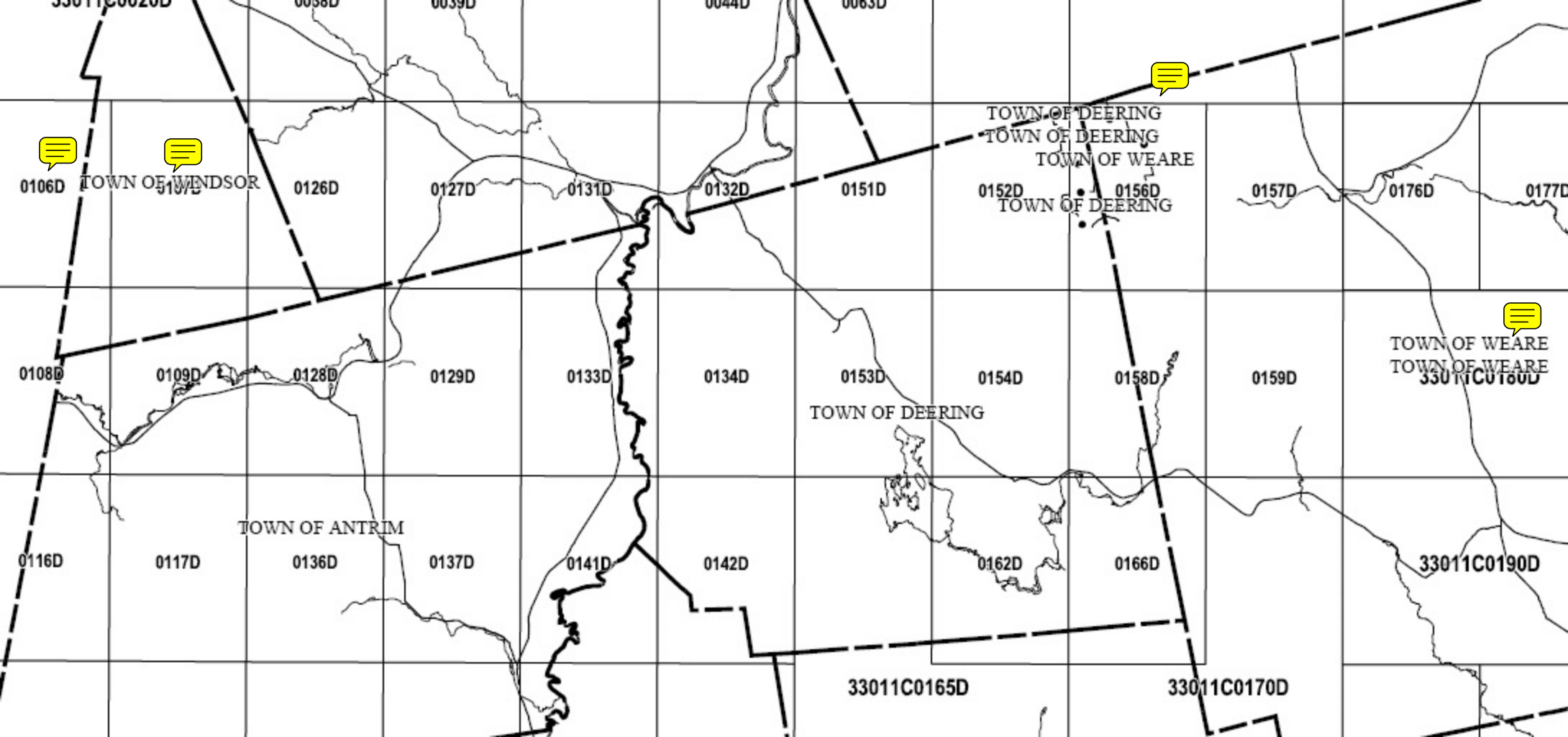
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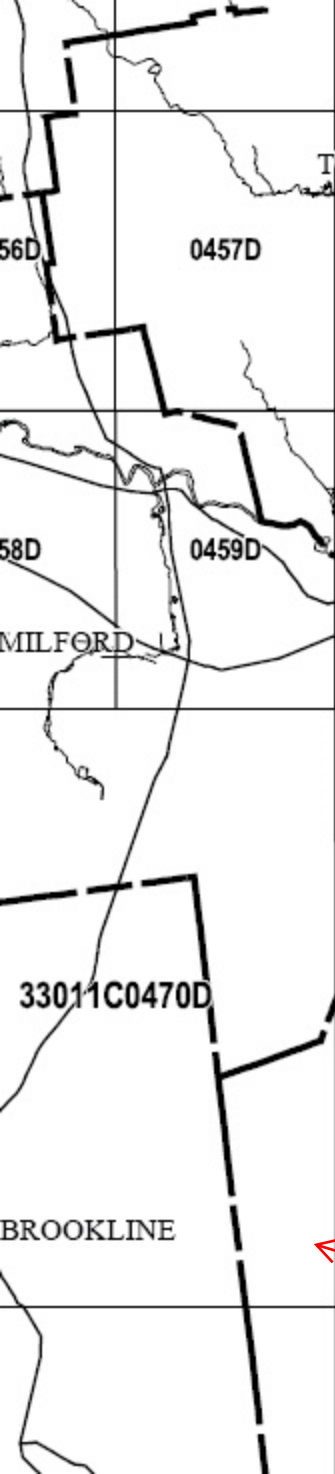
HILLSBOROUGH, TOWN OF

HOLLIS, TOWN OF

HUDSON, TOWN OF







TOWN OF AMHERST

56D

0457D

58D

0459D

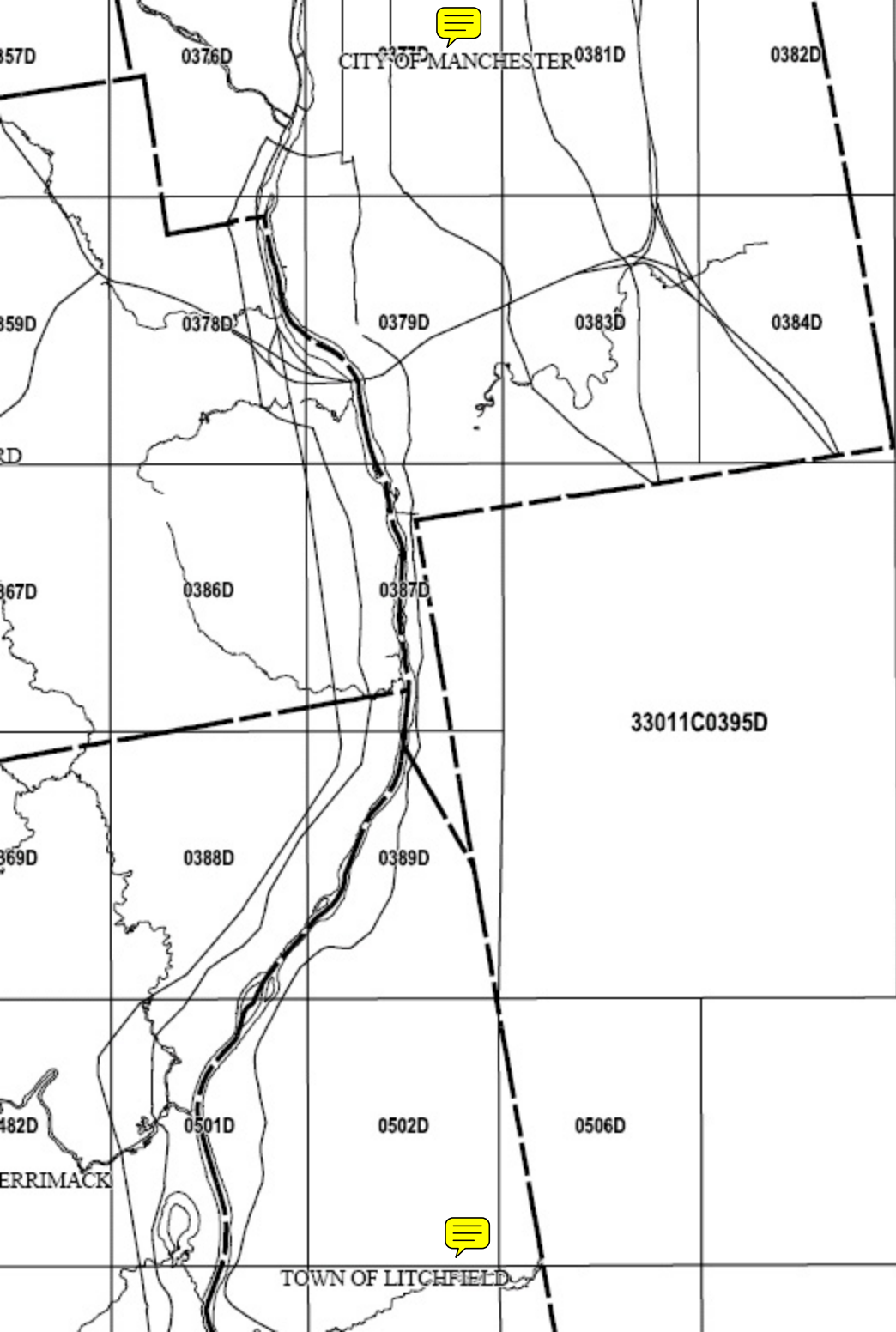
MILFORD

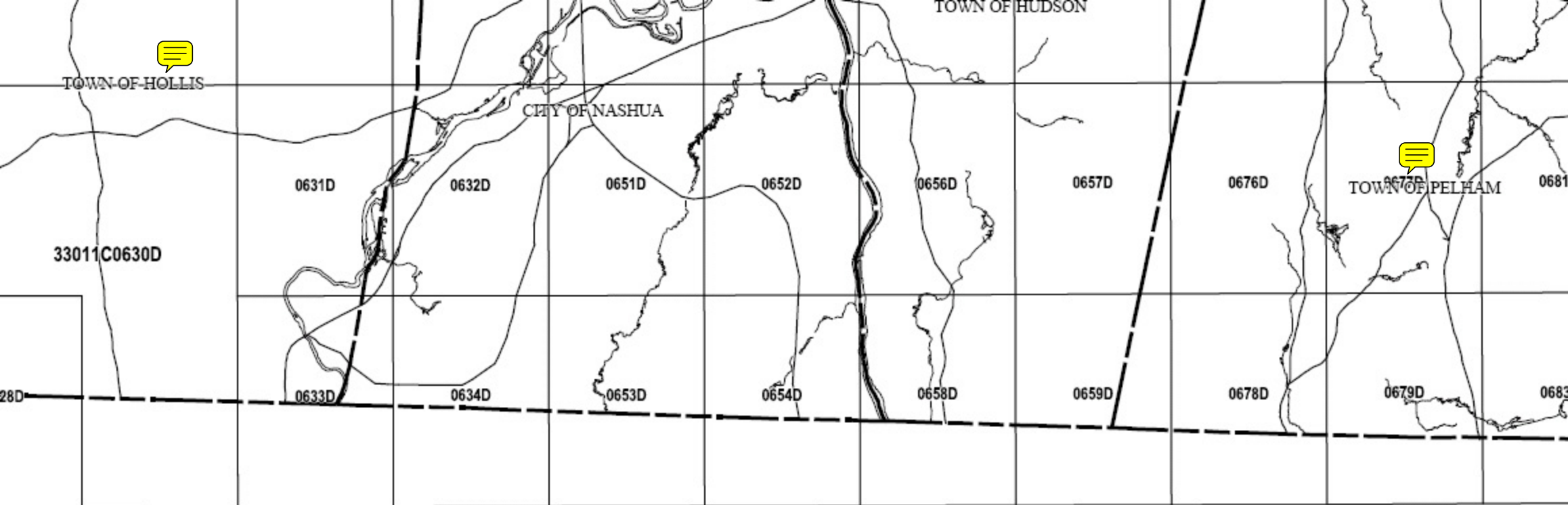
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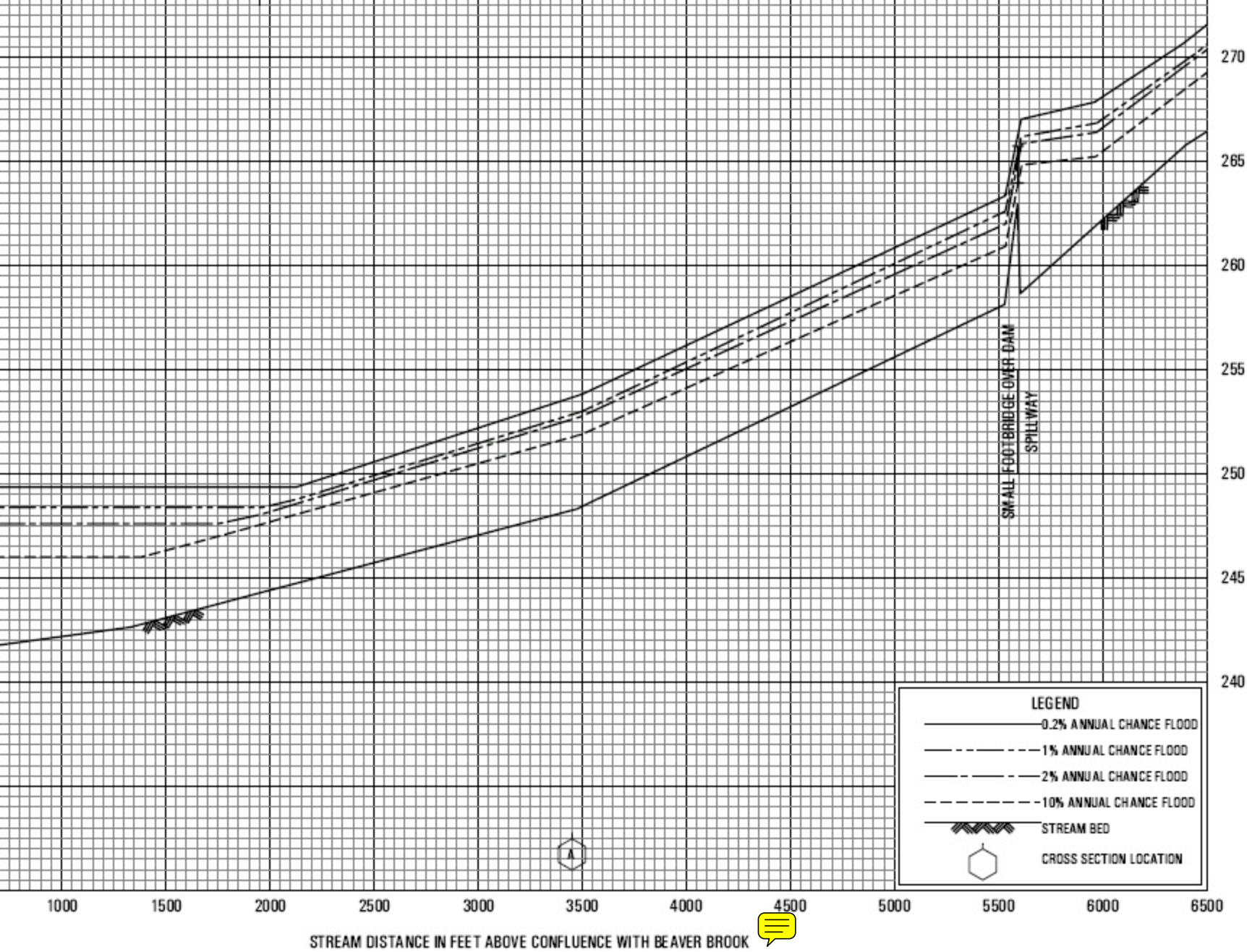
BROOKLINE



TOWN OF H





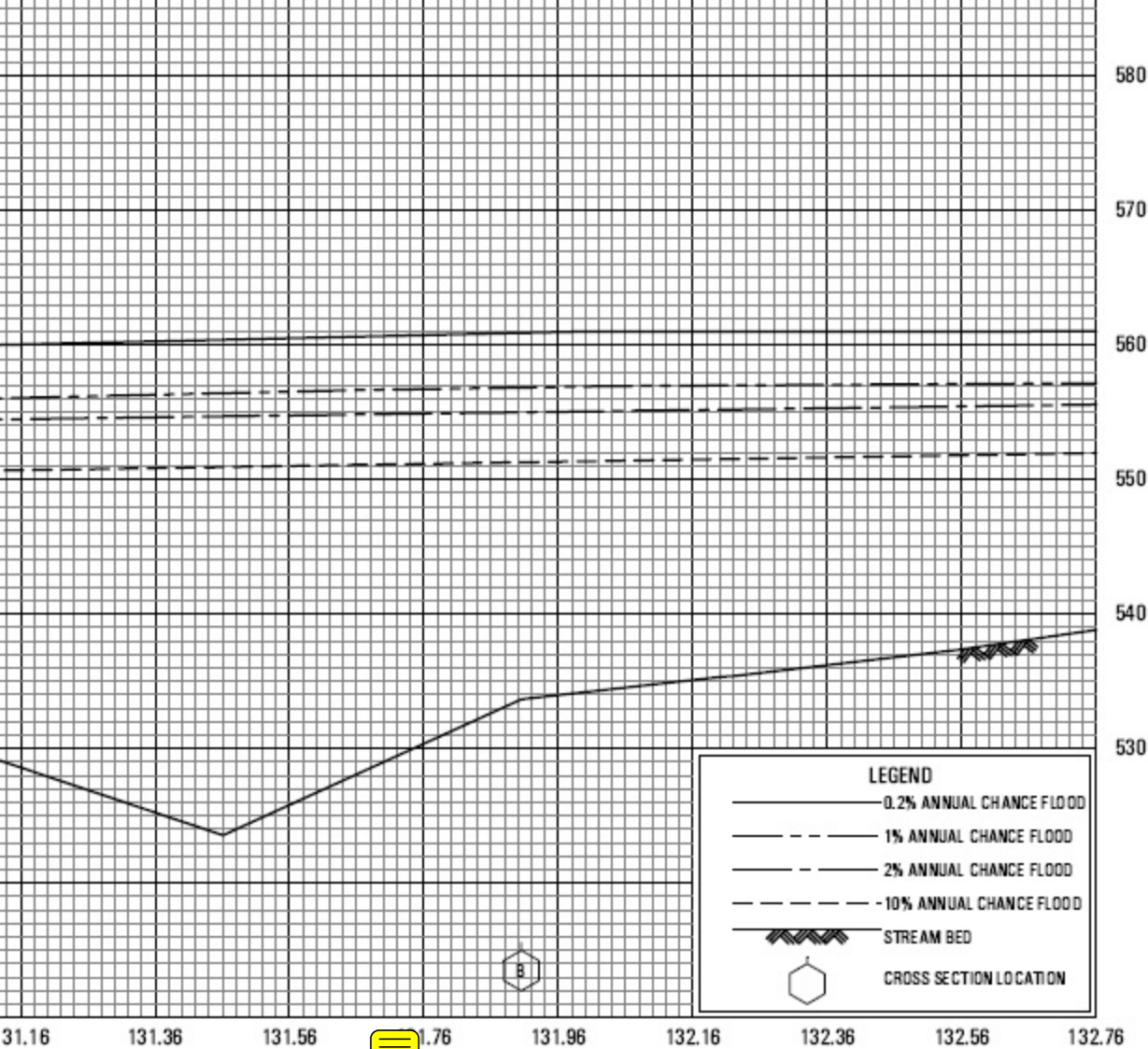


FLOOD PROFILES

CAESARS BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH CO, NH
(ALL JURISDICTIONS)

52P



IN MILES ABOVE NEWBURYPORT LIGHT, NEWBURYPORT, MASSACHUSETTS

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, NH
(ALL JURISDICTIONS)

FLOOD PROFILES

CONTOOCOOK RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Hartshorn Brook								
A	972 ¹	60	158	4.3	250.2	250.2	251.0	0.8
B	1,098 ¹	55	310	2.2	253.7	253.7	254.0	0.3
C	2,302 ¹	40	324	2.1	255.3	255.3	256.0	0.7
Hassells Brook								
A	560 ²	80	834	0.3	153.5	153.5	154.5	1.0
B	2,724 ²	80	548	0.4	153.5	153.5	154.5	1.0
C	3,691 ²	10	65	3.5	154.5	154.5	154.8	0.3
Holts Brook								
A	1,251 ²	25	52	5.3	221.7	217.6 ³	217.7	0.1
B	3,696 ²	30	162	1.7	221.7	219.8 ³	220.6	0.8

¹Feet above confluence with Souhegan River

²Feet above confluence with Salmon Brook

³Elevation computed without consideration of backwater effects from Souhegan River

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

**HILLSBOROUGH COUNTY, NH
(ALL JURISDICTIONS)**

FLOODWAY DATA

HARTSHORN BROOK – HASSELLS BROOK – HOLTS BROOK

I	20,909 ¹	200	147	8.5	352.3	352.3	352.4	0.1
Limit Brook								
A	348 ²	35	250	3.9	108.8	105.3 ⁴	105.7	0.4
B	1,309 ²	35	201	4.9	108.8	105.8 ⁴	106.4	0.6
C	3,311 ²	45	253	3.9	113.0	113.0	113.5	0.5
Lyle Reed Brook								
A	190 ³	115	201	0.5	166.2	154.7 ⁵	155.6	0.9
B	760 ³	20	86	1.3	166.2	162.0 ⁵	162.3	0.3
C	1,030 ³	65	453	0.4	166.2	167.4 ⁵	168.4	1.0
D	1,293 ³	145	848	0.2	166.2	167.4 ⁵	168.4	1.0

¹Feet above confluence with Baboosic Brook

²Feet above Hudson corporate limits

⁵Elevation computed without consideration of backwater effects from Nashua River

³Feet above confluence with Nashua River

⁴Elevation determined without consideration of backwater effects from Merrimack River

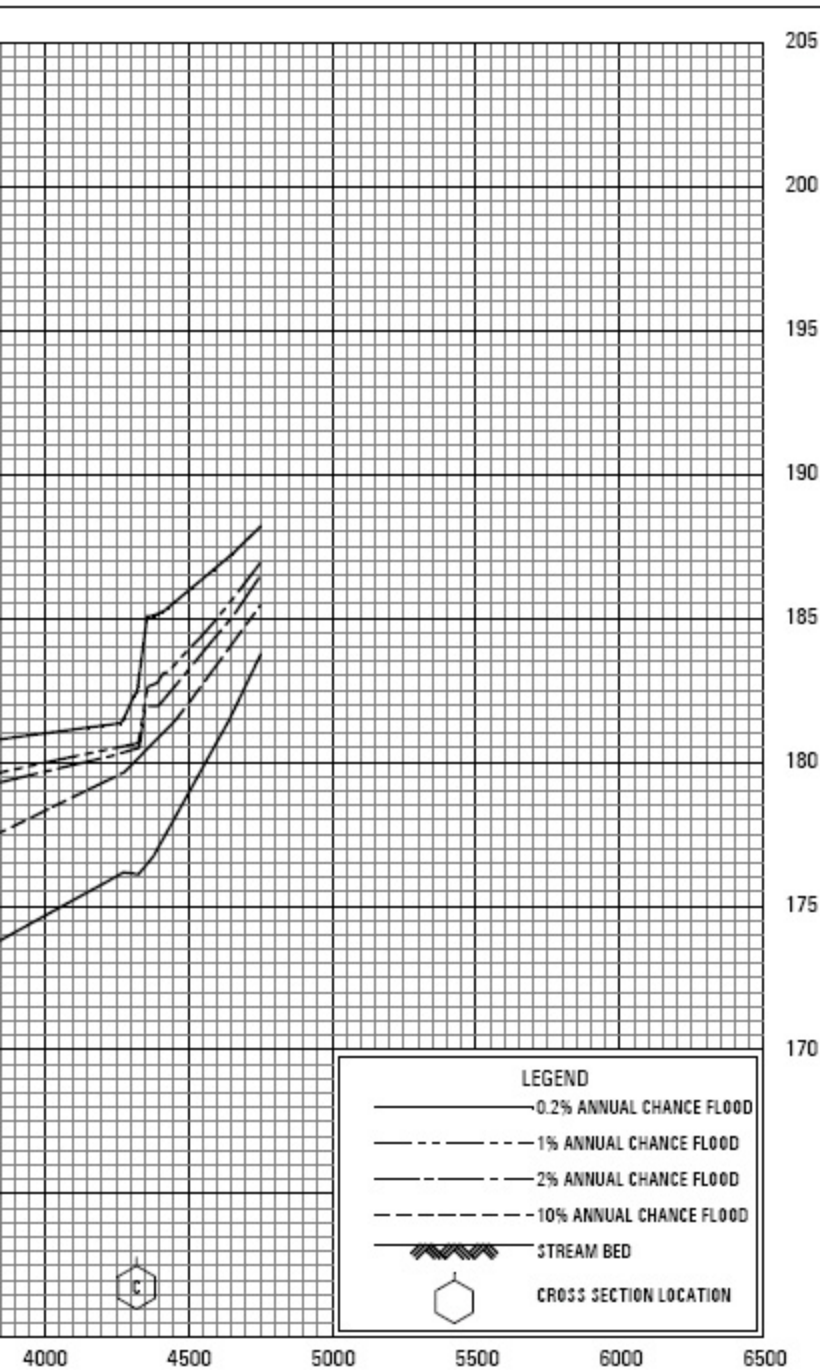
TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

**HILLSBOROUGH COUNTY, NH
(ALL JURISDICTIONS)**

FLOODWAY DATA

JOE ENGLISH BROOK – LIMIT BROOK - LYLE REED BROOK



ABOOSIC BROOK

FLOOD PROFILES

McQUADE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

HILLSBOROUGH COUNTY, NH

(ALL JURISDICTIONS)

119P

CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Naticook Brook								
A	370	24	92	3.2	116.5	97.9 ²	97.9	0.0
B	1,447	38	189	1.6	116.5	102.5 ²	102.6	0.1
C	3,965	48	316	0.8	116.5	108.6 ²	109.3	0.7
D	4,240	25	69	3.6	116.5	108.6 ²	109.6	1.0
E	5,358	28	211	1.2	137.7	137.7	137.7	0.0
F	7,670	18	36	5.0	154.7	154.7	155.4	0.7
G	10,527	425	4,720	0.04	171.9	171.9	171.9	0.0
H	12,932	36	2,760	0.6	173.9	173.9	173.9	0.0
I	14,274	19	19	1.9	184.5	184.5	184.5	0.0
J	16,420	12	9	4.9	189.4	189.4	189.4	0.0
K	17,919	14	19	2.3	204.5	204.5	204.6	0.1
Nesenkeag Brook								
A	2,940	36	152	4.9	116.9	115.7 ²	115.8	0.1
B	3,750	40	123	6.0	120.1	120.1	121.0	0.9
C	5,211	34	83	8.9	148.2	148.2	148.2	0.0
D	6,172	105	1,553	0.4	174.6	174.6	174.9	0.3
E	9,767	42	493	1.4	174.6	174.6	175.1	0.5
F	14,840	60	906	0.7	181.7	181.7	182.4	0.6

¹Feet upstream of confluence with Merrimack River

²Elevation computed without consideration of backwater effects from Merrimack River

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

HILLSBOROUGH COUNTY, NH
(ALL JURISDICTIONS)

FLOODWAY DATA

NATICOOK BROOK – NESENKEAG BROOK

G	10,153	20	135	1.5	138.4	138.4	138.6	0.2
Nissitissit River								
A	2,144 ²	40	330	8.2	213.9	213.9	214.4	0.5
B	2,260 ²	40	320	8.5	214.8	214.8	215.0	0.2
C	5,296 ²	360	2,140	1.3	217.8	217.8	218.6	0.8
North Branch								
A	0.00 ³	60	449	12.4	596.8	591.9 ⁵	592.9	1.0
B	0.197 ³	85	555	10.0	617.5	617.5	617.5	0.0
C	0.637 ³	60	411	13.6	651.2	651.2	651.2	0.0
D	1.184 ³	640	5,288	1.1	701.2	701.2	702.1	0.9
E	1.285 ³	70	489	11.4	708.5	708.5	708.5	0.0
F	1.505 ³	40	364	15.3	737.3	737.3	737.5	0.2

¹Feet above confluence with Beaver Brook No. 1

⁵Elevation computed without consideration of backwater effects from Beards Brook

²Feet above Hollis corporate limits

³Miles above mouth

⁴Elevation computed without consideration of backwater effects from Beaver Brook No. 1

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

HILLSBOROUGH COUNTY, NH
(ALL JURISDICTIONS)

FLOODWAY DATA

NEW MEADOW BROOK - NISSITISSIT RIVER – NORTH BRANCH

