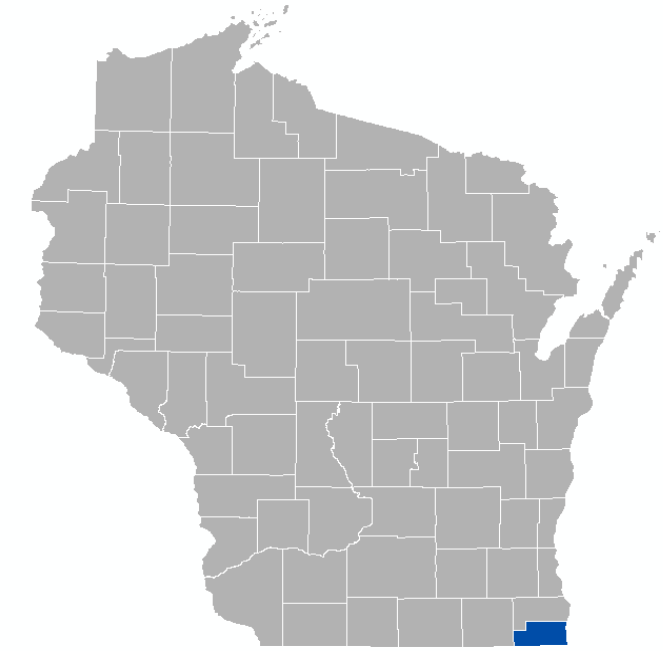
FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 2 OF 3



KENOSHA COUNTY, WISCONSIN

AND INCORPORATED AREAS

COMMUNITY NAME	CID	COMMUNITY NAME	CID
BRISTOL, VILLAGE OF	550595	PLEASANT PRAIRIE, VILLAGE OF	550613
GENOA CITY, VILLAGE OF*	550465	SALEM LAKES, VILLAGE OF	550505
KENOSHA, CITY OF	550209	SOMERS, VILLAGE OF	550406
KENOSHA COUNTY, UNINCORPORATED AREAS	550523	TWIN LAKES, VILLAGE OF	550211
PADDOCK LAKE, VILLAGE OF	550073		

*No Special Flood Hazard Areas Identified within Kenosha County

REVISED:

TBD **PRELIMINARY 03/28/2022**

FLOOD INSURANCE STUDY NUMBER
55059CV002C

Version Number 2.6.2.1

FEMA

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Published Separately

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	734	200	872	1.9	678.9	678.2[2]	678.2[2]	0.0
B	814	243	918	1.8	678.9	678.3[2]	678.3[2]	0.0
C	876	400	1,638	1.0	678.9	678.9	678.9	0.0
D	1,536	1,067	4,271	0.4	678.9	678.9	678.9	0.0
E	1,974	1,166	3,997	0.4	678.9	678.9	678.9	0.0
F	3,814	290	818	2.0	679.2	679.2	679.2	0.0
G	5,394	590	1,266	1.3	681.1	681.1	681.1	0.0
H	5,724	585	1,897	0.9	681.4	681.4	681.4	0.0
I	6,278	480	1,187	1.4	681.6	681.6	681.6	0.0
J	6,448	394	852	2.0	681.7	681.7	681.7	0.0
K	6,934	50	336	4.6	682.4	682.4	682.4	0.0
L	7,334	*	*	*	683.6	*	*	0.0
M	8,395	*	*	*	684.1	*	*	0.0
N	9,436	*	*	*	685.1	*	*	0.0
O	11,183	*	*	*	687.4	*	*	0.0
P	11,542	*	*	*	687.6	*	*	0.0
Q	12,973	*	*	*	690.4	*	*	0.0
R	14,288	*	*	*	692.7	*	*	0.0
S	14,789	*	*	*	694.0	*	*	0.0
T	15,059	*	*	*	695.1	*	*	0.0
U	15,328	*	*	*	695.2	*	*	0.0
V	16,352	*	*	*	695.5	*	*	0.0
W	16,812	*	*	*	695.8	*	*	0.0
X	17,318	*	*	*	696.6	*	*	0.0
Y	18,264	*	*	*	698.8	*	*	0.0
Z	18,718	*	*	*	700.2	*	*	0.0

[1]Feet above confluence with Des Plaines River

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

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: KILBOURN ROAD DITCH

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AA	20,645	*	*	*	700.8	*	*	*
AB	21,564	*	*	*	701.4	*	*	*
AC	22,789	*	*	*	702.2	*	*	*
AD	24,209	*	*	*	702.7	*	*	*
AE	25,656	*	*	*	703.0	*	*	*
AF	26,009	*	*	*	703.6	*	*	*
AG	26,252	*	*	*	703.7	*	*	*
AH	27,583	*	*	*	703.8	*	*	*
AI	28,839	*	*	*	705.7	*	*	*
AJ	29,204	*	*	*	706.7	*	*	*
AK	30,941	*	*	*	707.7	*	*	*
AL	31,912	*	*	*	708.3	*	*	*
AM	32,715	*	*	*	708.6	*	*	*
AN	33,544	*	*	*	708.7	*	*	*
AO	35,059	*	*	*	708.9	*	*	*
AP	35,973	*	*	*	711.1	*	*	*
AQ	36,781	*	*	*	712.4	*	*	*
AR	38,085	*	*	*	713.9	*	*	*
AS	39,130	*	*	*	714.9	*	*	*
AT	40,207	*	*	*	716.3	*	*	*
AU	41,137	*	*	*	717.6	*	*	*
AV	41,913	*	*	*	718.2	*	*	*
AW	43,074	*	*	*	719.1	*	*	*
AX	45,070	*	*	*	719.3	*	*	*
AY	47,837	*	*	*	719.8	*	*	*
AZ	48,518	*	*	*	720.0	*	*	*

[1]Feet above confluence with Des Plaines River

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: KILBOURN ROAD DITCH

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BA	49,204	*	*	*	721.9	*	*	*
BB	50,023	*	*	*	722.0	*	*	*
BC	50,540	*	*	*	722.6	*	*	*
BD	51,612	*	*	*	723.2	*	*	*
BE	53,275	*	*	*	723.4	*	*	*
BF	54,463	*	*	*	723.9	*	*	*
BG	55,129	*	*	*	724.3	*	*	*
BH	56,179	*	*	*	725.5	*	*	*
BI	57,024	*	*	*	725.9	*	*	*

[1]Feet above confluence with Des Plaines River

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: KILBOURN ROAD DITCH

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	660	*	*	*	758.4[2]	*	*	*
B	1,980	*	*	*	758.4[2]	*	*	*
C	2,793	*	*	*	758.6	*	*	*
D	3,326	*	*	*	760.9	*	*	*
E	3,907	*	*	*	762.2	*	*	*
F	5,412	*	*	*	762.2	*	*	*
G	5,549	*	*	*	764.8	*	*	*

[1]Feet above confluence with Dutch Gap Canal

[2]Includes backwater effects from Dutch Gap Canal *Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: MUD LAKE OUTLET

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	158	*	*	*	600.0[2]	*	*	*
B	581	*	*	*	603.0	*	*	*
C	686	*	*	*	604.0	*	*	*
D	1,056	*	*	*	604.2	*	*	*
E	2,112	*	*	*	607.5	*	*	*
F	2,534	*	*	*	611.4	*	*	*
G	3,062	*	*	*	614.3	*	*	*
H	4,118	*	*	*	615.8	*	*	*

[1]Feet above confluence with Sorenson Creek

[2]Includes backwater effects from Pike River *Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: NELSON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	3,213	350	565	2.1	750.5	748.9[2]	748.9	0.0
B	3,338	480	2,180	0.5	752.9	752.9	752.9	0.0
C	4,432	1,250	3,745	0.3	753.0	753.0	753.0	0.0
D	5,244	821	2,059	0.6	753.1	753.1	753.1	0.0
E	5,756	349	582	2.1	753.3	753.3	753.3	0.0
F	6,230	198	376	3.2	754.9	754.9	754.9	0.0
G	6,594	251	477	2.5	756.3	756.3	756.3	0.0
H	7,130	200	445	2.7	757.9	757.9	757.9	0.0
I	7,413	162	527	2.3	758.8	758.8	758.8	0.0
J	7,739	85	219	5.5	759.3	759.3	759.3	0.0
K	8,159	174	532	2.2	762.0	762.0	762.0	0.0
L	8,594	540	1,660	0.7	762.5	762.5	762.5	0.0
M	8,924	425	2,035	0.6	766.3	766.3	766.3	0.0
N	9,681	250	923	1.4	766.3	766.3	766.3	0.0
O	10,041	517	1,402	0.9	766.4	766.4	766.4	0.0
P	10,482	765	3,270	0.4	766.5	766.5	766.5	0.0
Q	10,964	520	1,516	0.8	766.6	766.6	766.6	0.0
R	11,521	129	242	5.3	767.9	767.9	767.9	0.0
S	11,784	192	539	2.4	769.5	769.5	769.5	0.0
T	12,191	567	1,504	0.9	770.2	770.2	770.2	0.0
U	12,867	540	1,329	1.0	770.5	770.5	770.5	0.0
V	13,334	338	502	2.6	771.2	771.2	771.2	0.0
W	13,857	348	470	2.7	773.4	773.4	773.4	0.0
X	14,100	326	398	3.2	775.6	775.6	775.6	0.0
Y	14,567	187	359	3.6	778.0	778.0	778.0	0.0
Z	14,901	173	456	2.8	780.2	780.2	780.2	0.0

[1]Feet above confluence with Fox River

[2]Elevations without considering backwater effect from the Fox River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: NEW MUNSTER CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AA	15,128	179	366	3.5	781.8	781.8	781.8	0.0
AB	15,481	171	349	3.7	785.2	785.2	785.2	0.0
AC	15,868	174	325	3.9	789.1	789.1	789.1	0.0
AD	16,160	135	461	2.8	791.1	791.1	791.1	0.0
AE	16,488	127	204	6.3	793.0	793.0	793.0	0.0
AF	16,609	226	711	1.8	795.9	795.9	795.9	0.0
AG	17,049	449	1,544	0.8	796.1	796.1	796.1	0.0
AH	17,513	494	1,014	1.3	796.1	796.1	796.1	0.0
AI	17,687	431	543	2.4	796.9	796.9	796.9	0.0
AJ	17,782	404	2,222	0.6	801.3	801.3	801.3	0.0
AK	18,469	376	1,848	0.7	801.4	801.4	801.4	0.0
AL	19,788	505	1,011	0.2	801.5	801.5	801.5	0.0
AM	20,565	92	73	3.2	804.7	804.7	804.7	0.0
AN	21,012	35	40	5.8	808.6	808.6	808.6	0.0
AO	21,477	73	65	3.5	814.5	814.5	814.5	0.0
AP	22,053	46	49	4.7	820.0	820.0	820.0	0.0
AQ	22,461	90	88	2.6	823.4	823.4	823.4	0.0
AR	22,949	216	212	1.1	824.9	824.9	824.9	0.0
AS	23,001	213	566	0.4	828.6	828.6	828.6	0.0
AT	23,637	334	375	0.3	828.7	828.7	828.7	0.0
AU	24,575	15	26	3.9	828.9	828.9	828.9	0.0
AV	25,348	22	47	2.2	830.6	830.6	830.6	0.0
AW	26,065	13	30	3.5	831.6	831.6	831.6	0.0
AX	26,788	167	102	1.0	832.6	832.6	832.6	0.0
AY	27,776	73	62	1.7	833.2	833.2	833.2	0.0

[1]Feet above confluence with Fox River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: NEW MUNSTER CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
PETERSON CREEK								
A-F	*	*	*	*	*	*	*	*
PIKE CREEK								
A	634	*	*	*	645.5	*	*	*
B	3,379	*	*	*	648.5	*	*	*
C	5,544	*	*	*	652.1	*	*	*
D	7,603	*	*	*	655.9	*	*	*
E	9,398	*	*	*	658.7	*	*	*
F	10,560	*	*	*	660.6	*	*	*
G	11,616	*	*	*	664.4	*	*	*
H	13,570	*	*	*	667.8	*	*	*
I	15,576	*	*	*	669.4	*	*	*
J	16,262	*	*	*	670.7	*	*	*
K	17,054	*	*	*	671.4	*	*	*
L	17,530	*	*	*	672.1	*	*	*
M	18,110	*	*	*	672.9	*	*	*
N	19,325	*	*	*	673.4	*	*	*
O	21,542	*	*	*	674.2	*	*	*
P	22,651	*	*	*	674.6	*	*	*
Q	23,549	*	*	*	674.8	*	*	*
R	24,816	*	*	*	675.1	*	*	*
S	26,189	*	*	*	677.0	*	*	*
T	27,456	*	*	*	677.0	*	*	*
U	29,515	*	*	*	677.0	*	*	*

[1]Feet above confluence with Pike River *Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: PETERSON CREEK - PIKE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
V	30,254	*	*	*		*	*	*
W	31,363	*	*	*	*	*	*	*
X	33,581	*	*	*	*	*	*	*
Y	34,901	*	*	*	*	*	*	*
Z	35,851	*	*	*		*	*	*
AA	36,749	*	*	*		*	*	*
AB	37,963	*	*	*		*	*	*
AC	39,125	*	*	*		*	*	*
AD	40,550	*	*	*		*	*	*

[1]Feet above confluence with Pike River *Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: PIKE CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,003	*	*	*	[2]	582.3	*	*
B	2,059	*	*	*	586.1	*	*	*
C	3,590	*	*	*	586.3	*	*	*
D	4,699	*	*	*	587.1	*	*	*
E	5,966	*	*	*	587.6	*	*	*
F	7,022	*	*	*	587.8	*	*	*
G	8,237	*	*	*	589.9	*	*	*
H	9,134	*	*	*	590.5	*	*	*
I	11,088	*	*	*	591.4	*	*	*
J	13,042	*	*	*	591.7	*	*	*
K	14,678	*	*	*	592.2	*	*	*
L	16,210	*	*	*	593.2	*	*	*
M	17,160	*	*	*	594.3	*	*	*
N	19,166	*	*	*	596.1	*	*	*
O	21,331	*	*	*	596.9	*	*	*
P	23,549	*	*	*	598.1	*	*	*
Q	25,133	*	*	*	600.4	*	*	*
R	27,139	*	*	*	601.9	*	*	*
S	29,410	*	*	*	603.2	*	*	*
T	30,466	*	*	*	607.5	*	*	*
U	32,419	*	*	*	610.0	*	*	*
V	34,320	*	*	*	615.1	*	*	*
W	36,379	*	*	*	617.9	*	*	*
X	36,854	*	*	*	619.8	*	*	*
Y	38,702	*	*	*	621.2	*	*	*
Z	40,286	*	*	*	625.3	*	*	*

[1]Feet above confluence with Lake Michigan

[2]Controlled by coastal flooding. See Flood Insurance Rate Map for regulatory base flood elevations

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: PIKE RIVER

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
PIKE RIVER								
AA	43,085[1]	*	*	*	630.3	*	*	*
AB	45,408[1]	*	*	*	636.4	*	*	*
AC	47,045[1]	*	*	*	639.4	*	*	*
AD	49,051[1]	*	*	*	641.1	*	*	*
AE	50,318[1]	*	*	*	644.0	*	*	*
AF	51,110[1]	*	*	*	645.5	*	*	*
AG	53,539[1]	*	*	*	649.0	*	*	*
AH	55,176[1]	*	*	*	653.6	*	*	*
AI	57,394[1]	*	*	*	655.5	*	*	*
AJ	58,766[1]	*	*	*	657.0	*	*	*
PLEASANT PRAIRIE TRIBUTARY								
A	580[2]	225	405	1.4	677.1	674.1[3]	674.1	0.0
B	2,449[2]	101	383	1.5	677.1	674.7[3]	674.7	0.0
C	3,341[2]	63	140	4.0	677.1	676.1[3]	676.1	0.0
D	4,820[2]	81	109	5.2	681.3	681.3	681.3	0.0
E	5,248[2]	164	253	2.2	684.1	684.1	684.1	0.0
F	5,464[2]	112	185	3.0	684.6	684.6	684.6	0.0

[1]Feet above confluence with Lake Michigan

[2]Feet above confluence with Des Plaines River

[3]Elevation computed without consideration of backwater effects from Des Plaines River

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: PIKE RIVER - PLEASANT PRAIRIE TRIBUTARY

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
POWERS LAKE TRIBUTARY								
A	2,977[2]	2,059	37,570	0.0	833.9	833.9	833.9	0.0
B	7,784[2]	33	72	0.9	833.9	833.9	833.9	0.0
C	7,943[2]	30	106	0.6	837.4	837.4	837.4	0.0
D	8,577[2]	153	314	0.2	837.4	837.4	837.4	0.0
SALEM BRANCH BRIGHTON CREEK								
A	407[1]	*	*	*	721.4	*	*	*
B	1,663[1]	*	*	*	724.4	*	*	*
C	2,640[1]	*	*	*	727.1	*	*	*
D	3,168[1]	*	*	*	729.3	*	*	*
E	3,860[1]	*	*	*	732.1	*	*	*
F	5,064[1]	*	*	*	732.2	*	*	*
G	5,470[1]	*	*	*	732.6	*	*	*
H	6,468[1]	*	*	*	735.8	*	*	*
I	7,841[1]	*	*	*	737.9	*	*	*
J	9,240[1]	*	*	*	738.8	*	*	*
K	9,800[1]	*	*	*	742.6	*	*	*
L	10,285[1]	*	*	*	744.9	*	*	*
M	11,368[1]	*	*	*	751.1	*	*	*
N	11,690[1]	*	*	*	755.9	*	*	*
O	12,541[1]	*	*	*	755.9	*	*	*

[1]Feet above confluence with Lake Michigan

[2]Feet above confluence with East Branch Nippersink Creek

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: POWERS LAKE TRIBUTARY - SALEM BRANCH BRIGHTON CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SCHOOL TRIBUTARY A-K	*	*	*	*	*	*	*	*
SILVER LAKE OUTLET								
A	0.142	105	85	2.0	746.5	742.0[2]	742.0	0.0
B	0.179	130	190	0.9	746.5	744.0[2]	744.0	0.0
C	0.258	160	255	0.7	746.5	744.3[2]	744.3	0.0
D	0.329	9	30	5.7	746.5	745.0[2]	745.0	0.0
E	0.491	60	50	3.3	746.5	746.1[2]	746.1	0.0
F	0.705	275	420	0.2	747.0	747.0	747.0	0.0
G	0.840	7	12	7.4	747.5	747.5	747.5	0.0
H	0.848	7	12	6.9	747.6	747.6	747.6	0.0
I	0.857	8	20	4.2	748.6	748.6	748.6	0.0
J	0.862	100	50	1.7	748.9	748.9	748.9	0.0

[1]Miles above confluence with Fox River

[2]Elevations computed without consideration of backwater effects from Fox River *Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SCHOOL TRIBUTARY - SILVER LAKE OUTLET

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	845	*	*	*	659.6	*	*	*
B	2,429	*	*	*	665.6	*	*	*
C	3,274	*	*	*	668.1	*	*	*
D	3,590	*	*	*	670.0	*	*	*
E	4,224	*	*	*	672.4	*	*	*
F	5,755	*	*	*	675.2	*	*	*
G	6,178	*	*	*	676.8	*	*	*
H	7,075	*	*	*	681.5	*	*	*
I	7,973	*	*	*	686.0	*	*	*
J	9,240	*	*	*	690.2	*	*	*
K	9,768	*	*	*	692.2	*	*	*
L	10,243	*	*	*	692.4	*	*	*
M	10,560	*	*	*	695.1	*	*	*
N	11,088	*	*	*	695.2	*	*	*
O	12,091	*	*	*	699.5	*	*	*
P	12,936	*	*	*	703.8	*	*	*

[1]Feet above confluence with Pike Creek

[2]Elevations computed without consideration of backwater effects from Fox River *Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SOMERS BRANCH

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SORENSON CREEK								
A	1954[1]	*	*	*	600.0[2]	*	*	*
B	3274[1]	*	*	*	600.3	*	*	*
C	4488[1]	*	*	*	603.0	*	*	*
D	6072[1]	*	*	*	605.3	*	*	*
E	7762[1]	*	*	*	610.4	*	*	*
F	8131[1]	*	*	*	611.4	*	*	*
TRIBUTARY TO SOMERS BRANCH								
A-B	*	*	*	*	*	*	*	*
UNION GROVE INDUSTRIAL TRIBUTARY								
A	729[3]	*	*	*	707.6	*	*	*
B	950[3]	*	*	*	708.1	*	*	*
C	1,505[3]	*	*	*	710.0	*	*	*
D	2,276[3]	*	*	*	713.3	*	*	*
E	4,166[3]	*	*	*	721.0	*	*	*
F	5,428[3]	*	*	*	728.9	*	*	*
G	6,046[3]	*	*	*	735.2	*	*	*
H	6,574[3]	*	*	*	739.0	*	*	*

[1]Feet above confluence with Pike River
[2]Includes backwater effects from Pike River
[3]Feet above confluence with Des Plaines River
*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SORENSON CREEK - TRIBUTARY TO SOMERS BRANCH - UNION GROVE INDUSTRIAL TRIBUTARY

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UNNAMED TRIBUTARY TO CENTER LAKE								
A-F	*	*	*	*	*	*	*	*
UNNAMED TRIBUTARY TO PIKE CREEK								
A-D	*	*	*	*	*	*	*	*
UNNAMED TRIBUTARY NO. 1 TO CENTER CREEK								
A	217	*	*	*	684.3	*	*	*
B	723	*	*	*	685.1	*	*	*
C	1,679	*	*	*	685.7	*	*	*
D	2,091	*	*	*	688.3	*	*	*
E	2,302	*	*	*	689.9	*	*	*
F	2,503	*	*	*	691.6	*	*	*
G	4,045	*	*	*	701.7	*	*	*
H	4,916	*	*	*	705.2	*	*	*
I	5,074	*	*	*	706.2	*	*	*
J	5,718	*	*	*	714.6	*	*	*

[1]Feet above confluence with Center Creek

*Data not available

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
K	6,178	*	*	*	714.9	*	*	*
L	6,362	*	*	*	715.1	*	*	*
M	6,479	*	*	*	717.9	*	*	*
N	6,864	*	*	*	718.7	*	*	*
O	7,403	*	*	*	721.4	*	*	*
P	7,899	*	*	*	729.6	*	*	*
Q	8,327	*	*	*	731.0	*	*	*
R	8,717	*	*	*	731.3	*	*	*
S	9,203	*	*	*	731.6	*	*	*
T	9,604	*	*	*	734.0	*	*	*
U	9,662	*	*	*	735.1	*	*	*
V	9,884	*	*	*	737.7	*	*	*
W	10,143	*	*	*	742.3	*	*	*
X	10,312	*	*	*	744.5	*	*	*
Y	10,692	*	*	*	749.3	*	*	*
Z	11,114	*	*	*	756.3	*	*	*

[1]Feet above confluence with Center Creek

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 1 TO CENTER CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	300/455[2]	880	0.7	675.4	671.3[3]	671.3	0.0
B	1,180	413	596	1.1	675.4	673.7[3]	673.7	0.0
C	1,253	600	676	0.9	676.1	676.1	676.1	0.0
D	3,445	656	1,119	0.8	677.6	677.6	677.6	0.0
E	5,094	380	474	0.4	683.5	683.5	683.5	0.0
F	5,215	257	244	0.7	683.5	683.5	683.5	0.0
G	5,441	77	165	1.1	687.5	687.5	687.5	0.0
H	5,601	46	93	1.9	688.0	688.0	688.0	0.0
I	5,688	166	603	0.3	693.0	693.0	693.0	0.0
J	6,118	115	184	1.0	693.6	693.6	693.6	0.0
K	7,318	246	314	0.3	694.8	694.8	694.8	0.0
L	8,128	548	1,225	0.1	694.8	694.8	694.8	0.0
M	8,518	315	730	0.1	694.8	694.8	694.8	0.0
N	9,880	74	73	1.4	700.8	700.8	700.8	0.0
O	10,320	67	48	2.2	706.6	706.6	706.6	0.0

[1]Feet above Wisconsin state line

[2]Total floodway width/width within Kenosha County

[3]Elevation computed without consideration of backwater effects from Des Plaines River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 1 TO DES PLAINES RIVER

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	40	*	*	*	757.2	*	*	*
B	352	*	*	*	766.5	*	*	*
C	833	*	*	*	766.6	*	*	*
D	1,282	*	*	*	773.3	*	*	*
E	1,652	*	*	*	776.2	*	*	*
F	3,542	*	*	*	787.8	*	*	*
G	3,842	*	*	*	788.1	*	*	*
H	4,199	*	*	*	789.1	*	*	*
I	4,663	*	*	*	794.8	*	*	*
J	6,734	*	*	*	796.3	*	*	*
K	6,882	*	*	*	797.6	*	*	*
L	7,752	*	*	*	802.5	*	*	*
M	8,192	*	*	*	807.8	*	*	*
N	9,072	*	*	*	813.1	*	*	*
O	10,092	*	*	*	814.0	*	*	*

[1]Feet above mouth at Hooker Lake

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 1 TO HOOKER LAKE

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UNNAMED TRIBUTARY NO. 1 TO KILBOURN ROAD DITCH								
A	438[1]	148	81	0.7	679.3	675.9[2]	675.9	0.0
B	876[1]	12	21	2.7	680.3	680.3	680.3	0.0
C	915[1]	12	16	3.5	680.4	680.4	680.4	0.0
D	1,095[1]	5	13	4.2	682.0	682.0	682.0	0.0
E	1,526[1]	5	12	4.6	684.4	684.4	684.4	0.0
F	1,695[1]	11	31	1.8	684.9	684.9	684.9	0.0
G	1,747[1]	11	13	4.1	685.5	685.5	685.5	0.0
H	2,030[1]	12	30	1.8	685.6	685.6	685.6	0.0
I	2,079[1]	12	13	4.1	685.9	685.9	685.9	0.0
J	2,244[1]	52	88	0.6	686.2	686.2	686.2	0.0
K	2,645[1]	166	355	0.2	686.3	686.3	686.3	0.0
L	3,268[1]	239	603	0.1	686.3	686.3	686.3	0.0
M	3,506[1]	114	160	0.3	686.3	686.3	686.3	0.0
N	3,821[1]	61	56	1.0	686.3	686.3	686.3	0.0
UNNAMED TRIBUTARY NO. 1 TO SALEM BRANCH BRIGHTON CREEK								
A	528[3]	*	*	*	733.1	*	*	*
B	3,168[3]	*	*	*	745.5	*	*	*
C	4,076[3]	*	*	*	749.3	*	*	*
D	4,895[3]	*	*	*	753.1	*	*	*
E	5,681[3]	*	*	*	757.4	*	*	*
F	6,795[3]	*	*	*	760.9	*	*	*

[1]Feet above confluence with Kilbourn Road Ditch

[2]Elevation computed without consideration of backwater effects from Kilbourn Road Ditch

[3]Feet above confluence with Salem Branch Brighton Creek

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 1 TO KILBOURN ROAD DITCH - UNNAMED TRIBUTARY NO. 1 TO SALEM BRANCH BRIGHTON CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,094	666	2,532	0.1	683.4	683.4	683.4	0.0
B	1,506	720	3,096	0.1	683.4	683.4	683.4	0.0
C	1,880	581	2,108	0.1	683.4	683.4	683.4	0.0
D	3,030	93	39	4.5	684.1	684.1	684.1	0.0
E	3,178	97	89	2.5	685.3	685.3	685.3	0.0
F	3,568	4	7	8.3	689.2	689.2	689.2	0.0
G	3,706	161	1,054	0.1	695.7	695.7	695.7	0.0
H	4,467	399	1,477	0.1	697.5	697.5	697.5	0.0
I	4,772	309	1,113	0.1	697.5	697.5	697.5	0.0
J	4,962	23	6	3.0	699.7	699.7	699.7	0.0
K	5,089	44	10	1.9	701.8	701.8	701.8	0.0
L	5,218	314	299	0.1	711.2	711.2	711.2	0.0
M	5,566	263	275	0.2	711.2	711.2	711.2	0.0
N	5,867	27	22	5.2	712.1	712.1	712.1	0.0
O	6,031	30	47	2.4	713.5	713.5	713.5	0.0
P	6,157	76	147	0.8	714.8	714.8	714.8	0.0

[1]Feet above confluence with Unnamed Tributary No. 1 to Des Plaines River

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UNNAMED TRIBUTARY NO. 1B TO DES PLAINES RIVER								
A	1263[1]	481	938	0.5	683.4	683.4	683.4	0.0
B	1683[1]	373	567	0.9	683.5	683.5	683.5	0.0
C	3132[1]	103	173	3.0	691.6	691.6	691.6	0.0
D	3282[1]	12	60	8.8	691.8	691.8	691.8	0.0
E	3420[1]	12	77	6.8	693.3	693.3	693.3	0.0
F	5230[1]	108	124	4.3	694.5	694.5	694.5	0.0
G	5773[1]	179	129	4.1	696.9	696.9	696.9	0.0
UNNAMED TRIBUTARY NO. 1C TO DES PLAINES RIVER								
A	123[2]	211	195	2.2	698.6	698.6	698.6	0.0
B	265[2]	109	99	4.3	701.0	701.0	701.0	0.0
C	891[2]	126	189	2.3	702.2	702.2	702.2	0.0
D	2259[2]	188	283	1.5	706.8	706.8	706.8	0.0
E	4289[2]	124	223	1.9	712.6	712.6	712.6	0.0
F	5719[2]	188	203	0.5	719.2	719.2	719.2	0.0
G	5999[2]	136	220	0.5	719.6	719.6	719.6	0.0
H	6040[2]	221	539	0.2	721.4	721.4	721.4	0.0
I	6450[2]	301	102	1.2	724.6	724.6	724.6	0.0
J	6518[2]	301	138	0.8	726.3	726.3	726.3	0.0
K	6918[2]	68	61	1.8	728.1	728.1	728.1	0.0
L	7328[2]	64	51	2.1	731.0	731.0	731.0	0.0
M	7628[2]	79	57	1.9	734.0	734.0	734.0	0.0

[1]Feet above confluence with Unnamed Tributary No. 1 to Des Plaines River

[2]Feet above confluence with Unnamed Tributary No. 1B to Des Plaines River

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	6,864	250	386	0.9	676.5	676.5	676.5	0.0
B	7,387	112	116	3.1	677.3	677.3	677.3	0.0
C	8,601	62	110	3.3	686.9	686.9	686.9	0.0
D	9,340	93	127	2.9	693.2	693.2	693.2	0.0
E	9,852	106	201	1.8	698.6	698.6	698.6	0.0
F	10,237	10	19	7.8	698.9	698.9	698.9	0.0
G	10,326	10	35	4.1	700.9	700.9	700.9	0.0
H	10,436	5	21	6.9	702.1	702.1	702.1	0.0
I	10,748	5	30	4.8	707.4	707.4	707.4	0.0
J	10,869	236	553	0.3	707.8	707.8	707.8	0.0
K	11,033	245	433	0.3	707.9	707.9	707.9	0.0
L	11,857	71	57	2.5	710.5	710.5	710.5	0.0
M	12,403	68	66	2.2	715.6	715.6	715.6	0.0
N	12,973	31	30	4.9	722.4	722.4	722.4	0.0
O	13,406	96	75	0.3	725.1	725.1	725.1	0.0

[1]Feet above confluence Des Plaines River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 1E TO DES PLAINES RIVER

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	428	38	55	2.5	692.7	692.7	692.7	0.0
B	828	35	44	3.1	696.6	696.6	696.6	0.0
C	1,438	150	86	1.6	704.6	704.6	704.6	0.0
D	1,563	16	24	5.7	707.1	707.1	707.1	0.0
E	2,022	8	22	6.3	708.8	708.8	708.8	0.0
F	2,091	35	59	2.3	710.3	710.3	710.3	0.0
G	2,376	42	44	3.1	714.6	714.6	714.6	0.0
H	2,460	111	87	1.6	718.1	718.1	718.1	0.0
I	2,767	105	113	1.2	719.3	719.3	719.3	0.0
J	3,490	69	61	2.2	723.7	723.7	723.7	0.0
K	4,203	114	104	1.3	729.9	729.9	729.9	0.0
L	4,720	64	50	2.7	734.2	734.2	734.2	0.0
M	5,232	32	43	3.2	741.3	741.3	741.3	0.0
N	5,724	83	73	1.9	745.8	745.8	745.8	0.0

[1]Feet above confluence with Unnamed Tributary No. 1E to Des Plaines River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 1F TO DES PLAINES RIVER

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UNNAMED TRIBUTARY NO. 2 TO DES PLAINES RIVER								
A	5,613[1]	358	379	0.7	675.8	675.6[2]	675.6[2]	0.0
B	6,268[1]	10	28	9.5	681.9	681.9	681.9	0.0
C	6,447[1]	10	50	5.4	684.6	684.6	684.6	0.0
D	7,023[1]	12	44	6.1	690.1	690.1	690.1	0.0
E	7,109[1]	12	53	5.1	691.3	691.3	691.3	0.0
F	7,329[1]	119	124	2.2	692.7	692.7	692.7	0.0
G	7,545[1]	117	95	2.8	696.1	696.1	696.1	0.0
H	7,846[1]	91	96	2.8	698.8	698.8	698.8	0.0
I	8,015[1]	77	89	3.0	700.5	700.5	700.5	0.0
J	8,247[1]	80	161	1.7	704.0	704.0	704.0	0.0
K	8,380[1]	31	53	1.8	704.1	704.1	704.1	0.0
UNNAMED TRIBUTARY NO. 2 TO JEROME CREEK								
A	1,961[3]	33	107	0.4	680.8	680.8	680.8	0.0
B	2,109[3]	29	92	0.6	680.8	680.8	680.8	0.0
C	2,468[3]	93	260	0.3	680.9	680.9	680.9	0.0
D	2,780[3]	162	262	0.3	680.9	680.9	680.9	0.0
E	3,440[3]	172	217	0.3	680.9	680.9	680.9	0.0
F	4,000[3]	142	178	0.2	681.0	681.0	681.0	0.0

[1]Feet above confluence with Unnamed Tributary No. 1E to Des Plaines River

*Data not available

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

[3]Feet above confluence with Jerome Creek

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 2 TO DES PLAINES RIVER - UNNAMED TRIBUTARY NO. 2 TO JEROME CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	100	*	*	*	752.1	*	*	*
B	950	*	*	*	763.1	*	*	*
C	1,352	*	*	*	768.3	*	*	*
D	1,621	*	*	*	768.6	*	*	*
E	1,874	*	*	*	772.7	*	*	*
F	2,767	*	*	*	780.6	*	*	*
G	3,216	*	*	*	789.1	*	*	*
H	3,543	*	*	*	789.6	*	*	*
I	3,881	*	*	*	791.2	*	*	*
J	4,124	*	*	*	793.1	*	*	*

[1]Feet above confluence with Salem Branch Brighton Creek

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 2 TO SALEM BRANCH BRIGHTON CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	628	*	*	*	758.8[2]	*	*	*
B	766	*	*	*	758.8[2]	*	*	*
C	1,040	*	*	*	763.3	*	*	*
D	3,205	*	*	*	763.4	*	*	*
E	4,573	*	*	*	764.9	*	*	*
F	5,238	*	*	*	765.0	*	*	*
G	5,797	*	*	*	766.6	*	*	*
H	6,336	*	*	*	770.0	*	*	*
I	6,690	*	*	*	774.1	*	*	*
J	7,218	*	*	*	779.6	*	*	*
K	7,857	*	*	*	785.1	*	*	*
L	8,337	*	*	*	788.2	*	*	*
M	8,870	*	*	*	789.2	*	*	*
N	9,240	*	*	*	791.2	*	*	*

[1]Feet above confluence with Dutch Gap Canal

[2]Includes backwater effects from Dutch Gap Canal

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 3 TO DUTCH GAP CANAL

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,950	5	11	2.3	680.5	680.5	680.5	0.0
B	2,200	40	98	0.3	680.5	680.5	680.5	0.0
C	2,395	4	12	2.1	680.5	680.5	680.5	0.0
D	2,515	4	17	1.4	680.5	680.5	680.5	0.0
E	2,556	4	15	1.6	680.6	680.6	680.6	0.0
F	2,946	20	40	0.8	680.7	680.7	680.7	0.0
G	4,429	3	9	4.8	681.0	681.0	681.0	0.0
H	4,504	3	10	4.3	681.9	681.9	681.9	0.0
I	4,984	472	302	0.2	682.3	682.3	682.3	0.0
J	6,879	37	33	1.7	683.4	683.4	683.4	0.0
K	7,059	122	38	1.8	684.0	684.0	684.0	0.0
L	7,185	130	56	1.0	684.3	684.3	684.3	0.0
M	7,755	8	19	2.2	687.7	687.7	687.7	0.0

[1]Feet above confluence with Jerome Creek

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 3 TO JEROME CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UNNAMED TRIBUTARY NO. 3 TO SALEM BRANCH BRIGHTON CREEK								
A	201[1]	*	*	*	756.8	*	*	*
B	623[1]	*	*	*	762.8	*	*	*
C	898[1]	*	*	*	769.2	*	*	*
D	1,119[1]	*	*	*	771.0	*	*	*
E	1,463[1]	*	*	*	775.4	*	*	*
F	2,656[1]	*	*	*	789.9	*	*	*
G	3,437[1]	*	*	*	796.3	*	*	*
H	4,134[1]	*	*	*	796.6	*	*	*
I	4,520[1]	*	*	*	797.7	*	*	*
J	4,731[1]	*	*	*	799.9	*	*	*
UNNAMED TRIBUTARY NO. 4 TO DUTCH GAP CANAL								
A	137[2]	*	*	*	763.4[3]	*	*	*
B	433[2]	*	*	*	764.5	*	*	*
C	1,468[2]	*	*	*	768.9	*	*	*
D	1,811[2]	*	*	*	770.4	*	*	*
E	2,376[2]	*	*	*	770.9	*	*	*
F	2,989[2]	*	*	*	771.4	*	*	*

[1]Feet above confluence with Salem Branch Brighton Creek
[2]Feet above confluence with Unnamed Tributary No. 3 to Dutch Gap Canal
[3]Includes backwater effects from Unnamed Tributary to Dutch Gap Canal
*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 3 TO SALEM BRANCH BRIGHTON CREEK - UNNAMED TRIBUTARY NO. 4 TO DUTCH GAP CANAL

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	594	109	116	1.7	681.2	679.9[2]	679.9[2]	0.0
B	1,098	17	56	3.5	681.2	680.6[2]	680.6[2]	0.0
C	1,306	17	51	3.9	681.2	680.8[2]	680.8[2]	0.0
D	1,491	52	95	2.1	681.7	681.7	681.7	0.0
E	1,612	174	268	0.7	683.5	683.5	683.5	0.0
F	2,246	213	262	0.8	685.8	685.8	685.8	0.0
G	3,695	46	78	3.3	688.1	688.1	688.1	0.0
H	3,880	65[3]	89	2.9	688.7	688.7	688.7	0.0
I	4,154	177	174	2.3	691.0	691.0	691.0	0.0
J	5,495	69	89	5.3	697.5	697.5	697.5	0.0
K	5,529	220	674	0.7	700.8	700.8	700.8	0.0
L	5,949	121	206	2.3	701.0	701.0	701.0	0.0
M	6,799	174	316	1.5	704.1	704.1	704.1	0.0
N	9,749	115	124	2.6	712.2	712.2	712.2	0.0

[1]Feet above confluence with Jerome Creek

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

[3]FIRM shows combined floodway with Unnamed Tributary No. 4 to Jerome Creek Overflow

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 4 TO JEROME CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	350	334	131	1.5	681.6	680.2[2]	680.2	0.0
B	540	310	133	1.5	682.2	682.2	682.2	0.0
C	920	373	275	0.7	683.2	683.2	683.2	0.0
D	1,280	340	205	1.0	683.8	683.8	683.8	0.0
E	1,520	217	94	2.1	684.8	684.8	684.8	0.0
F	1,900	356	224	0.9	685.7	685.7	685.7	0.0
G	2,180	141	46	3.1	686.2	686.2	686.2	0.0
H	2,420	239	162	0.9	687.4	687.4	687.4	0.0
I	2,535	275	199	0.7	687.5	687.5	687.5	0.0
J	2,765	349	96	1.5	687.9	687.9	687.9	0.0
K	3,120	184[3]	113	1.3	689.7	689.7	689.7	0.0

[1]Feet above confluence with Jerome Creek

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

[3]FIRM shows combined floodway with Unnamed Triburary No. 4 to Jerome Creek

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 4 TO JEROME CREEK OVERFLOW

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UNNAMED TRIBUARY NO. 5 TO DES PLAINES RIVER								
A	4,519[1]	16	71	3.3	675.8	671.9[2]	671.9	0.0
B	4,839[1]	16	78	3.0	675.8	672.4[2]	672.4	0.0
C	5,531[1]	123	173	1.4	675.8	673.4[2]	673.4	0.0
D	6,640[1]	40	128	1.8	675.8	674.5[2]	674.5	0.0
E	6,872[1]	18	57	4.2	675.8	674.8[2]	674.8	0.0
F	6,932[1]	18	95	2.5	677.0	677.0	677.0	0.0
G	7,405[1]	9	46	5.2	677.0	677.0	677.0	0.0
H	7,458[1]	9	65	3.7	679.3	679.3	679.3	0.0
I	10,045[1]	21	144	2.9	679.6	679.6	679.6	0.0
UNNAMED TRIBUTARY NO. 5 TO KILBOURN ROAD DITCH								
A	259[3]	*	*	*	700.7[4]	*	*	*
B	929[3]	*	*	*	703.5	*	*	*
C	1,653[3]	*	*	*	711.3	*	*	*
D	2,070[3]	*	*	*	711.8	*	*	*
E	2,497[3]	*	*	*	712.9	*	*	*
F	3,622[3]	*	*	*	723.9	*	*	*
G	4,166[3]	*	*	*	728.5	*	*	*
H	4,620[3]	*	*	*	735.5	*	*	*

[1]Feet above confluence with Des Plaines River
[2]Elevation computed without consideration of backwater effects from Des Plaines River
[3]Feet above confluence with Kilbourn Road Ditch
[4]Includes backwater effects from Kilbourn Road Ditch
*Data not available

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	201	61	179	2.6	679.4	676.9[2]	676.9[2]	0.0
B	917	54	154	3.0	679.4	677.6[2]	677.6[2]	0.0
C	1,055	77	669	0.7	685.2	685.2	685.2	0.0
D	1,215	110	789	0.6	685.2	685.2	685.2	0.0
E	1,885	94	557	0.8	685.3	685.3	685.3	0.0

[1]Feet above confluence with Unnamed Tributary No. 5 to Des Plaines River

[2]Elevation computed without consideration of backwater effects from Unnamed Tributary No. 5 to Des Plaines River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 5B TO DES PLAINES RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	3,115	*	*	*	741.6[2]	*	*	*
B	4,023	*	*	*	741.9	*	*	*
C	4,224	*	*	*	743.2	*	*	*
D	4,736	*	*	*	751.6	*	*	*
E	5,338	*	*	*	751.6	*	*	*
F	5,824	*	*	*	752.4	*	*	*
G	6,246	*	*	*	755.9	*	*	*
H	7,228	*	*	*	760.7	*	*	*
I	7,577	*	*	*	763.2	*	*	*
J	8,358	*	*	*	763.3	*	*	*
K	8,712	*	*	*	763.4	*	*	*
L	8,855	*	*	*	768.1	*	*	*
M	9,157	*	*	*	769.4	*	*	*
N	9,378	*	*	*	771.0	*	*	*
O	9,655	*	*	*	771.9	*	*	*
P	9,923	*	*	*	772.3	*	*	*
Q	10,344	*	*	*	772.4	*	*	*
R	10,666	*	*	*	772.5	*	*	*
S	10,824	*	*	*	774.2	*	*	*
T	11,194	*	*	*	774.8	*	*	*
U	11,537	*	*	*	780.7	*	*	*
V	11,727	*	*	*	781.3	*	*	*
W	12,614	*	*	*	785.7	*	*	*
X	12,894	*	*	*	787.3	*	*	*

[1]Feet above confluence with Brighton Creek

[2]Includes backwater effects from Brighton Creek *Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 6 TO BRIGHTON CREEK

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,043	776	566	1.0	676.1	672.7[2]	672.7	0.0
B	3,747	486	383	1.5	676.1	676.0[2]	676.0	0.0
C	4,157	145	307	1.9	678.2	678.2	678.2	0.0
D	4,387	12	46	9.4	679.5	679.5	679.5	0.0
E	4,717	12	66	6.6	681.2	681.2	681.2	0.0
F	5,197	315	648	0.7	682.1	682.1	682.1	0.0
G	5,308	215	374	1.2	682.1	682.1	682.1	0.0
H	5,769	59	84	5.2	684.7	684.7	684.7	0.0
I	6,635	71	136	3.2	690.7	690.7	690.7	0.0
J	7,501	131	149	2.9	694.8	694.8	694.8	0.0
K	8,289	56	104	4.2	700.3	700.3	700.3	0.0
L	8,727	74	132	3.3	702.9	702.9	702.9	0.0
M	8,976	103	110	4.0	704.9	704.9	704.9	0.0
N	9,119	103	134	3.2	707.0	707.0	707.0	0.0
O	9,573	107	166	2.6	709.9	709.9	709.9	0.0
P	10,043	302	664	0.7	710.3	710.3	710.3	0.0

[1]Feet above confluence with Des Plaines River

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

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 7 TO DES PLAINES RIVER

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UNNAMED TRIBUTARY NO. 8 TO KILBOURN ROAD DITCH								
A	597	*	*	*	710.0	*	*	*
B	1,304	*	*	*	711.0	*	*	*
C	2,883	*	*	*	715.4	*	*	*
D	3,643	*	*	*	717.7	*	*	*
E	4,367	*	*	*	723.9	*	*	*
UNNAMED TRIBUTARY NO. 8 TO KILBOURN ROAD DITCH OVERFLOW								
A	634	*	*	*	707.1	*	*	*
B	939	*	*	*	708.4	*	*	*
C	1,431	*	*	*	711.2	*	*	*
D	2,080	*	*	*	713.1	*	*	*
E	2,464	*	*	*	715.9	*	*	*

[1]Feet above confluence with Kilbourn Road Ditch

*Data not available

Table 23: Floodway Data *(continued)*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UNNAMED TRIBUTARY NO. 13 TO KILBOURN ROAD DITCH								
A	290[1]	*	*	*	717.2	*	*	*
B	512[1]	*	*	*	719.1	*	*	*
C	1,320[1]	*	*	*	724.4	*	*	*
D	1,610[1]	*	*	*	727.6	*	*	*
E	2,218[1]	*	*	*	731.8	*	*	*
F	2,450[1]	*	*	*	733.9	*	*	*
G	2,867[1]	*	*	*	736.1	*	*	*
UNNAMED TRIBUTARY NO. 15 TO KILBOURN ROAD DITCH								
A	422[1]	*	*	*	723.2[2]	*	*	*
B	1,077[1]	*	*	*	723.2[2]	*	*	*
C	1,848[1]	*	*	*	724.4	*	*	*
D	2,286[1]	*	*	*	724.9	*	*	*
VON GUNTEN CREEK								
A	150[3]	182	427	0.7	632.1	632.1	632.1	0.0
B	1,320[3]	59	70	4.1	638.3	638.3	638.3	0.0
C-D	*	*	*	*	*	*	*	*

[1]Feet above confluence with Kilbourn Road Ditch

[2]Feet above 30th Avenue

[2]Includes backwater effects from Kilbourn Road Ditch

*Data not available

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY NO. 13 TO KILBOURN ROAD DITCH - UNNAMED TRIBUTARY NO. 15 TO KILBOURN ROAD DITCH - VON GUNTEN CREEK

Table 24: Flood Hazard and Non-Encroachment Data for Selected Streams

[Not Applicable to this Flood Risk Project]

6.4 Coastal Flood Hazard Mapping

Flood insurance zones and BFEs including the wave effects were identified on each transect based on the results from the onshore wave hazard analyses. Between transects, elevations were interpolated using topographic maps, land-use and land-cover data, and knowledge of coastal flood processes to determine the extent of flooding. Sources for topographic data are shown in Table 22.

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

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

- The *primary frontal dune* is defined in 44 CFR Section 59.1 of the NFIP regulations. “The primary frontal dune represents a continuous or nearly continuous mound or ridge of sand with relatively steep seaward and landward slopes that occur immediately landward and adjacent to the beach. The primary frontal dune zone is subject to erosion and overtopping from high tides and waves during major coastal storms. The inland limit of the primary frontal dune zone occurs at the point where there is a distinct change from a relatively steep slope to a relatively mild slope.”

- The *wave runup Zone VE* occurs where the (eroded) ground profile is 3.0 feet or more below the 2-percent wave runup elevation.

- The *wave overtopping splash Zone VE* is the area landward of the crest of an overtopped barrier, in cases where the potential 2-percent wave runup exceeds the barrier crest elevation.

- The *breaking wave height Zone VE* occurs where 3-foot or greater wave heights could occur.

- The *high-velocity flow Zone VE* is landward of the overtopping splash zone (or area on a sloping beach or other shore type), where the product of depth of flow times the flow velocity squared (hv^2) is greater than or equal to 200 ft^3/sec^2.

The SFHA boundary indicates the landward extent of the coastal SFHAs shown on the FIRM as Zones VE, AE, AO, AH, or A.

Table 25 indicates the coastal analyses used for floodplain mapping and the criteria used to determine the inland limit of the open-coast Zone VE and the SFHA boundary at each transect.

Table 25: Summary of Coastal Transect Mapping Considerations

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (feet NAVD88)	Zone Designation and BFE (feet NAVD88)		
01	No	VE 591	*	Runup	Runup & Overtopping
02	No	VE 591	*	Runup	Runup
03	No	VE 592	*	Runup	Runup
04	No	VE 590	*	Runup	Runup
05	No	VE 594, AO 3	*	Runup	Runup & Overtopping
06	No	VE 586, AE 586	*	Runup	Runup
07	No	VE 591	*	Runup	Runup & Overtopping
08	No	VE 593	*	Runup	Runup
09	No	VE 592	*	Runup	Runup & Overtopping
10	No	VE 590	*	Runup	Runup
11	No	VE 587, AE 587	*	Runup	Runup
12	No	VE 587, AE 587	*	Runup	Runup
13	No	VE 590, AE 590	*	Runup	Runup & Overtopping
14	No	VE 589, AE 589	*	Runup	Runup & Overtopping

*Not calculated for this Flood Risk Project

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

The LiMWA was not mapped at any locations within this county.

6.5 FIRM Revisions

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

republishing of the FIS Report. To assure that any user is aware of all revisions, it is advisable to contact the community repository of flood-hazard data (shown in Table 30, "Map Repositories").

6.5.1 Letters of Map Amendment

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

To obtain an application for a LOMA, visit www.fema.gov/flood-maps/change-your-flood-zone and download the form "MT-1 Application Forms and Instructions for Conditional and Final Letters of Map Amendment and Letters of Map Revision Based on Fill". Visit the "Flood Map-Related Fees" section to determine the cost, if any, of applying for a LOMA.

FEMA offers a tutorial on how to apply for a LOMA. The LOMA Tutorial Series can be accessed at www.fema.gov/flood-maps/tutorials.

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

6.5.2 Letters of Map Revision Based on Fill

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

Information about obtaining an application for a LOMR-F can be obtained in the same manner as that for a LOMA, by visiting www.fema.gov/flood-maps/change-your-flood-zone for the "MT-1 Application Forms and Instructions for Conditional and Final Letters of Map Amendment and Letters of Map Revision Based on Fill" or by calling the FEMA Map Information eXchange, toll free, at 1-877-FEMA MAP (1-877-336-2627). Fees for applying for a LOMR-F, if any, are listed in the "Flood Map-Related Fees" section.

A tutorial for LOMR-F is available at www.fema.gov/flood-maps/tutorials.

6.5.3 Letters of Map Revision

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

To obtain an application for a LOMR, visit www.fema.gov/flood-maps/change-your-flood-zone and download the form "MT-2 Application Forms and Instructions for Conditional Letters of Map Revision and Letters of Map Revision". Visit the "Flood Map-Related Fees" section to determine the cost of applying for a LOMR. For more information about how to apply for a LOMR, call the FEMA Map Information eXchange; toll free, at 1-877-FEMA MAP (1-877-336-2627) to speak to a Map Specialist.

Previously issued mappable LOMCs (including LOMRs) that have been incorporated into the Kenosha County FIRM are listed in Table 26. Please note that this table only includes LOMCs that have been issued on the FIRM panels updated by this map revision. For all other areas within this county, users should be aware that revisions to the FIS Report made by prior LOMRs may not be reflected herein and users will need to continue to use the previously issued LOMRs to obtain the most current data.

Table 26: Incorporated Letters of Map Change

Case Number	Effective Date	Flooding Source	FIRM Panel(s)
16-05-2093P	10-25-2016	Unnamed Tributary No. 1 to Hooker Lake	55059C0161E
13-05-8170P	05-13-2014	Pike River	55059C0089E 55059C0202E

6.5.4 Physical Map Revisions

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

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

For more information about the PMR process, please visit www.fema.gov and visit the "Flood Map Revision Processes" section.

6.5.5 Contracted Restudies

The NFIP provides for a periodic review and restudy of flood hazards within a given community. FEMA accomplishes this through a national watershed-based mapping needs assessment strategy, known as the Coordinated Needs Management Strategy (CNMS). The CNMS is used by FEMA to assign priorities and allocate funding for new flood hazard analyses used to update the FIS Report and FIRM. The goal of CNMS is to define the validity of the engineering study data within a mapped inventory. The CNMS is used to track the assessment process, document engineering gaps and their resolution, and aid in prioritization for using flood risk as a key factor for areas identified for flood map updates. Visit www.fema.gov to learn more about the CNMS or contact the FEMA Regional Office listed in Section 8 of this FIS Report.

6.5.6 Community Map History

The current FIRM presents flooding information for the entire geographic area of Kenosha County. Previously, separate FIRMs, Flood Hazard Boundary Maps (FHBMs) and/or Flood Boundary and Floodway Maps (FBFMs) may have been prepared for the

incorporated communities and the unincorporated areas in the county that had identified SFHAs. Current and historical data relating to the maps prepared for the project area are presented in Table 27, "Community Map History." A description of each of the column headings and the source of the date is also listed below.

- *Community Name* includes communities falling within the geographic area shown on the FIRM, including those that fall on the boundary line, nonparticipating communities, and communities with maps that have been rescinded. Communities with No Special Flood Hazards are indicated by a footnote. If all maps (FHBM, FBFM, and FIRM) were rescinded for a community, it is not listed in this table unless SFHAs have been identified in this community.

- *Initial Identification Date (First NFIP Map Published)* is the date of the first NFIP map that identified flood hazards in the community. If the FHBM has been converted to a FIRM, the initial FHBM date is shown. If the community has never been mapped, the upcoming effective date or "pending" (for Preliminary FIS Reports) is shown. If the community is listed in Table 27 but not identified on the map, the community is treated as if it were unmapped.

- *Initial FHBM Effective Date* is the effective date of the first Flood Hazard Boundary Map (FHBM). This date may be the same date as the Initial NFIP Map Date.

- *FHBM Revision Date(s)* is the date(s) that the FHBM was revised, if applicable.

- *Initial FIRM Effective Date* is the date of the first effective FIRM for the community. This is the first effective date that is shown on the FIRM panel.

- *FIRM Revision Date(s)* is the date(s) the FIRM was revised, if applicable. This is the revised date that is shown on the FIRM panel, if applicable. As countywide studies are completed or revised, each community listed should have its FIRM

- dates updated accordingly to reflect the date of the countywide study. Once the FIRMs exist in countywide format, as Physical Map Revisions (PMR) of FIRM panels within the county are completed, the FIRM Revision Dates in the table for each community affected by the PMR are updated with the date of the PMR, even if the PMR did not revise all the panels within that community.

The initial effective date for the Kenosha County FIRMs in countywide format was 06/19/2012.

Table 27: Community Map History

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Bristol, Village of	04/16/1976[1]	04/16/1976[1]	N/A	02/17/1982[1]	TBD 06/19/2012 12/05/1996[1]

[1] Dates were taken from Kenosha County, Unincorporated Areas

Table 27: Community Map History *(continued)*

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Genoa City, Village of[2]	01/09/1974	01/09/1974	05/14/1976	09/04/1985	TBD 06/19/2012
Kenosha, City of	12/28/1973	12/28/1973	07/02/1976	09/02/1982	TBD 03/07/2017 06/19/2012 12/05/1996
Kenosha County, Unincorporated Areas	04/16/1976	04/16/1976	N/A	02/17/1982	TBD 03/07/2017 06/19/2012 12/05/1996 07/05/1983
Paddock Lake, Village of	06/19/2012	N/A	N/A	06/19/2012	TBD
Pleasant Prairie, Village of	04/16/1976[1]	04/16/1976[1]	N/A	02/17/1982[1]	TBD 03/07/2017 06/19/2012 12/05/1996
Salem Lakes, Village of	12/21/1973[3]	12/21/1973[3]	07/30/1976[3]	09/01/1978[3]	TBD 06/19/2012 12/05/1996[1] 07/05/1983[1] 02/17/1982[1]
Somers, Village of	04/16/1976[1]	04/16/1976[1]	N/A	02/17/1982[1]	TBD 03/07/2017[1] 06/19/2012[1] 12/05/1996[1] 07/05/1983[1]
Twin Lakes, Village of	06/07/1974	06/07/1974	07/16/1976	06/01/1982	TBD 06/19/2012

[1] Dates were taken from Kenosha County, Unincorporated Areas
[2] Special flood hazard areas have been identified in this community; however, none exist within the portion of the community located in Kenosha County.
[3] Dates were taken from Village of Silver Lake

SECTION 7.0 – CONTRACTED STUDIES AND COMMUNITY COORDINATION

7.1 Contracted Studies

Table 28 provides a summary of the contracted studies, by flooding source, that are included in this FIS Report.

Table 28: Summary of Contracted Studies Included in this FIS Report

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Airport Creek	6/19/2012	SEWRPC	N/A	1983	Kenosha, City of; Kenosha County, Unincorporated Areas
Barnes Creek	2/17/1982	Owen Ayres and Associates, Inc.	N/A	1982	Pleasant Prairie, Village of
Barnes Creek North Outlet	2/17/1982	Owen Ayres and Associates, Inc.	N/A	1982	Pleasant Prairie, Village of
Barnes Creek South Outlet	2/17/1982	Owen Ayres and Associates, Inc.	N/A	1982	Pleasant Prairie, Village of
Bassett Creek	12/5/1996	SEWRPC	N/A	1969	Kenosha County, Unincorporated Areas
Bassett Creek Tributary	6/1/1982	Carl C. Crane, Inc.	EMW-C-0065	1981	Kenosha County, Unincorporated Areas; Twin Lakes, Village of
Brighton Creek	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of; Kenosha County, Unincorporated Areas; Salem Lakes, Village of
Camp Lake	12/5/1996	Owen Ayres and Associates, Inc.	H-3805	1996	Salem Lakes, Village of
Center Creek	6/19/2012	SEWRPC	N/A	2003	Kenosha, City of; Bristol, Village of
Center Lake	12/5/1996	Owen Ayres and Associates, Inc.	H-3805	1996	Salem Lakes, Village of

Table 28: Summary of Contracted Studies Included in this FIS Report *(continued)*

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of; Kenosha County, Unincorporated Areas; Pleasant Prairie, Village of
Dutch Gap Canal	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of
East Branch Pike Creek	9/2/1982	Donohue & Associates	H-4726	1980	Kenosha, City of; Kenosha County, Unincorporated Areas
Fox River	TBD	WI-DNR	WI-12-01	2015	Kenosha County, Unincorporated Areas; Salem Lakes, Village of
Fox River Zone A Tributaries	TBD	WI-DNR	WI-12-01	2015	Kenosha County, Unincorporated Areas; Paddock Lake, Village of; Salem Lakes, Village of; Twin Lakes, Village of
Jerome Creek	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Kenosha Branch	6/19/2012	SEWRPC	N/A	1983	Kenosha, City of; Kenosha County, Unincorporated Areas
Kilbourn Road Ditch	6/19/2012	SEWRPC	N/A	2003	Kenosha, City of; Kenosha County, Unincorporated Areas; Pleasant Prairie, Village of; Somers, Village of
Lake Elizabeth	6/1/1982	Carl C. Crane, Inc.	EMW-C-0065	1980	Kenosha County, Unincorporated Areas; Twin Lakes, Village of
Lake Mary	6/1/1982	Carl C. Crane, Inc.	EMW-C-0065	1980	Twin Lakes, Village of
Lake Michigan	TBD	STARRII	HSFEHQ-09-D-0370	2017	Kenosha, City of; Pleasant Prairie, Village of; Somers, Village of
Mud Lake Outlet	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of
Nelson Creek	6/19/2012	SEWRPC	N/A	1983	Somers, Village of

Table 28: Summary of Contracted Studies Included in this FIS Report *(continued)*

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
New Munster Creek	TBD	WI-DNR	WI-12-01	2015	Kenosha County, Unincorporated Areas
Peterson Creek	12/5/1996	SEWRPC	N/A	1969	Kenosha County, Unincorporated Areas
Pike Creek	6/19/2012	SEWRPC	N/A	1983	Kenosha, City of; Kenosha County, Unincorporated Areas; Pleasant Prairie, Village of; Somers, Village of
Pike River	TBD	Nielsen Madsen & Barber, S.C.	N/A	2014	Kenosha, City of; Somers, Village of
Pike River	6/19/2012	SEWRPC	N/A	1983	Kenosha, City of; Kenosha County, Unincorporated Areas; Somers, Village of
Pleasant Prairie Tributary	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Pond 3	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Pond 4	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Powers Lake Tributary	TBD	WI-DNR	WI-12-01	2015	Kenosha County, Unincorporated Areas
Salem Branch Brighton Creek	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of; Paddock Lake, Village of; Salem Lakes, Village of
School Tributary	12/5/1996	Owen Ayres and Associates, Inc.	H-3805	1975	Somers, Village of
Silver Lake Outlet	3/1/1978	Owen Ayres and Associates, Inc.	H-3805	1977	Salem Lakes, Village of
Somers Branch	6/19/2012	SEWRPC	N/A	1983	Somers, Village of
Sorenson Creek	6/19/2012	SEWRPC	N/A	1983	Somers, Village of

Table 28: Summary of Contracted Studies Included in this FIS Report *(continued)*

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Tributary to Somers Branch	12/5/1996	Owen Ayres and Associates, Inc.	H-3805	1983	Somers, Village of
Union Grove Industrial Tributary	6/19/2012	SEWRPC	N/A	2003	Kenosha County, Unincorporated Areas
Unnamed Tributary to Brighton Creek	TBD	WI-DNR	WI-12-01	2015	Kenosha County, Unincorporated Areas
Unnamed Tributary to Camp Lake	12/5/1996	Owen Ayres and Associates, Inc.	H-3805	1996	Salem Lakes, Village of
Unnamed Tributary to Center Lake	12/5/1996	Owen Ayres and Associates, Inc.	H-3805	1996	Salem Lakes, Village of
Unnamed Tributary to Pike Creek	12/5/1996	Owen Ayres and Associates, Inc.	H-3805	1981	Somers, Village of
Unnamed Tributary No. 1 to Center Creek	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of; Kenosha, City of
Unnamed Tributary No. 1 to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Unnamed Tributary No. 1 to Hooker Lake	TBD	SEWRPC	N/A	2016	Salem Lakes, Village of
Unnamed Tributary No. 1 to Kilbourn Road Ditch	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Unnamed Tributary No. 1 to Salem Branch Brighton Creek	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of
Unnamed Tributary No. 1A to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Unnamed Tributary No. 1B to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of

Table 28: Summary of Contracted Studies Included in this FIS Report *(continued)*

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Unnamed Tributary No. 1C to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Unnamed Tributary No. 1E to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of; Pleasant Prairie, Village of
Unnamed Tributary No. 1F to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of; Pleasant Prairie, Village of
Unnamed Tributary No. 2 to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Unnamed Tributary No. 2 to Jerome Creek	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Unnamed Tributary No. 2 to Salem Branch Brighton Creek	6/19/2012	SEWRPC	N/A	2003	Paddock Lake, Village of
Unnamed Tributary No. 3 to Dutch Gap Canal	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of
Unnamed Tributary No. 3 to Jerome Creek	6/19/2012	SEWRPC	N/A	2003	Kenosha, City of; Pleasant Prairie, Village of
Unnamed Tributary No. 3 to Salem Branch Brighton Creek	6/19/2012	SEWRPC	N/A	2003	Paddock Lake, Village of; Salem Lakes, Village of
Unnamed Tributary No. 4 to Dutch Gap Canal	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of
Unnamed Tributary No. 4 to Jerome Creek	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Unnamed Tributary No. 4 to Jerome Creek Overflow	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of

Table 28: Summary of Contracted Studies Included in this FIS Report *(continued)*

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Unnamed Tributary No. 5 to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Unnamed Tributary No. 5 to Kilbourn Road Ditch	6/19/2012	SEWRPC	N/A	2003	Kenosha, City of; Kenosha County, Unincorporated Areas
Unnamed Tributary No. 5B to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Pleasant Prairie, Village of
Unnamed Tributary No. 6 to Brighton Creek	6/19/2012	SEWRPC	N/A	2003	Kenosha County, Unincorporated Areas; Paddock Lake, Village of; Salem Lakes, Village of
Unnamed Tributary No. 7 to Des Plaines River	6/19/2012	SEWRPC	N/A	2003	Bristol, Village of; Pleasant Prairie, Village of
Unnamed Tributary No. 8 to Kilbourn Road Ditch	6/19/2012	SEWRPC	N/A	2003	Kenosha County, Unincorporated Areas; Somers, Village of
Unnamed Tributary No. 8 to Kilbourn Road Ditch Overflow	6/19/2012	SEWRPC	N/A	2003	Somers, Village of
Unnamed Tributary No. 13 to Kilbourn Road Ditch	6/19/2012	SEWRPC	N/A	2003	Somers, Village of
Unnamed Tributary No. 15 to Kilbourn Road Ditch	6/19/2012	SEWRPC	N/A	2003	Somers, Village of
Vern Wolf Lake	6/19/2012	SEWRPC	N/A	2003	Kenosha County, Unincorporated Areas
Von Gunten Creek	9/2/1982	Donohue & Associates	H-4726	1982	Kenosha, City of; Kenosha County, Unincorporated Areas

7.2 Community Meetings

The dates of the community meetings held for this Flood Risk Project and any previous Flood Risk Projects are shown in Table 29. These meetings may have previously been referred to by a variety of names (Community Coordination Officer (CCO), Scoping, Discovery, etc.), but all meetings represent opportunities for FEMA, community officials, study contractors, and other invited guests to discuss the planning for and results of the project.

Table 29: Community Meetings

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Bristol, Village of	TBD	11/13/2012	Project Discovery	Wisconsin DNR, Wisconsin Emergency Management, SEWRPC, the Village of Genoa City, and Kenosha County
		02/18/2014	Project Discovery	Wisconsin DNR, Wisconsin Emergency Management, and Kenosha County
		TBD	Final CCO	TBD
Genoa City, Village of	TBD	11/13/2012	Project Discovery	Reference 11/13/2012 Project Discovery Attendees from the Village of Bristol
		02/18/2014	Project Discovery	Reference 02/18/2014 Project Discovery Attendees from the Village of Bristol
		5/18/2016	Flood Risk Review	Wisconsin DNR, SEWRPC, the Village of Genoa City, and Kenosha County
		5/18/2016	Resilience	Wisconsin DNR, SEWRPC, the Village of Genoa City, and Kenosha County
		TBD	Final CCO	Reference Final CCO Attendees from the Village of Bristol
Kenosha, City of	TBD	07/28/2017	Flood Risk Review	Wisconsin DNR, SEWRPC, FEMA, STARR, Wisconsin DOA, the City of Kenosha, and Kenosha County
		TBD	Final CCO	Reference Final CCO Attendees from the Village of Bristol

Table 29: Community Meetings *(continued)*

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Kenosha County, Unincorporated Areas	TBD	11/13/2012	Project Discovery	Reference 11/13/2012 Project Discovery Attendees from the Village of Bristol
		02/18/2014	Project Discovery	Reference 02/18/2014 Project Discovery Attendees from the Village of Bristol
		5/18/2016	Flood Risk Review	Reference Flood Risk Review Attendees from the Village of Genoa City
		5/18/2016	Resilience	Reference Resilience Attendees from the Village of Genoa City
		07/28/2017	Flood Risk Review	Reference Flood Risk Review Attendees from the City of Kenosha
		TBD	Final CCO	Reference Final CCO Attendees from the Village of Bristol
Paddock Lake, Village of	TBD	11/13/2012	Project Discovery	Reference 11/13/2012 Project Discovery Attendees from the Village of Bristol
		02/18/2014	Project Discovery	Reference 02/18/2014 Project Discovery Attendees from the Village of Bristol
		5/18/2016	Flood Risk Review	Wisconsin DNR, SEWRPC, the Village of Genoa City, and Kenosha County
		5/18/2016	Resilience	Wisconsin DNR, SEWRPC, the Village of Genoa City, and Kenosha County
		TBD	Final CCO	Reference Final CCO Attendees from the Village of Bristol
Pleasant Prairie, Village of	TBD	07/28/2017	Flood Risk Review	Reference Flood Risk Review Attendees from the City of Kenosha
		TBD	Final CCO	Reference Final CCO Attendees from the Village of Bristol
Salem Lakes, Village of	TBD	TBD	Final CCO	Reference Final CCO Attendees from the Village of Bristol
Somers, Village of	TBD	TBD	Final CCO	Reference Final CCO Attendees from the Village of Bristol

Table 29: Community Meetings *(continued)*

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Twin Lakes, Village of	TBD	11/13/2012	Project Discovery	Reference 11/13/2012 Project Discovery Attendees from the Village of Bristol
		02/18/2014	Project Discovery	Reference 02/18/2014 Project Discovery Attendees from the Village of Bristol
		5/18/2016	Flood Risk Review	Wisconsin DNR, SEWRPC, the Village of Genoa City, and Kenosha County
		5/18/2016	Resilience	Wisconsin DNR, SEWRPC, the Village of Genoa City, and Kenosha County
		TBD	Final CCO	Reference Final CCO Attendees from the Village of Bristol

SECTION 8.0 – ADDITIONAL INFORMATION

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

The additional data that was used for this project includes the FIS Report and FIRM that were previously prepared for Kenosha County, (FEMA, 2017).

Table 30 is a list of the locations where FIRMs for Kenosha County can be viewed. Please note that the maps at these locations are for reference only and are not for distribution. Also, please note that only the maps for the community listed in the table are available at that particular repository. A user may need to visit another repository to view maps from an adjacent community.

Table 30: Map Repositories

Community	Address	City	State	Zip Code
Bristol, Village of	Village Hall 19801 83rd Street	Bristol	WI	53104
Genoa City, Village of	Village Hall 755 Fellows Road	Genoa City	WI	53128
Kenosha, City of	City Hall 625 52nd Street	Kenosha	WI	53140
Kenosha County, Unincorporated Areas	County Department of Planning and Development 19600 75th Street	Kenosha	WI	53140
Paddock Lake, Village of	Village Hall 6969 236th Avenue	Paddock Lake	WI	53168
Pleasant Prairie, Village of	Village Hall 9915 39th Avenue	Pleasant Prairie	WI	53158
Salem Lakes, Village of	Salem Lakes Village Hall 9814 Antioch Road	Salem	WI	53168
Somers, Village of	Village Hall 7511 12th Street	Somers	WI	53171
Twin Lakes, Village of	Village Hall 108 East Main Street	Twin Lakes	WI	53181

The National Flood Hazard Layer (NFHL) dataset is a compilation of effective FIRM databases and LOMCs. Together they create a GIS data layer for a State or Territory. The NFHL is updated as studies become effective and extracts are made available to the public monthly. NFHL data can be viewed or ordered from the website shown in Table 31.

Table 31 contains useful contact information regarding the FIS Report, the FIRM, and other relevant flood hazard and GIS data. In addition, information about the state NFIP Coordinator and GIS Coordinator is shown in this table. At the request of FEMA, each Governor has designated an agency of State or territorial government to coordinate that State's or territory's NFIP activities. These agencies often assist communities in developing and adopting necessary floodplain management measures. State GIS Coordinators are knowledgeable about the availability and location of state and local GIS data in their state.

Table 31: Additional Information

FEMA and the NFIP	
FEMA and FEMA Engineering Library website	www.fema.gov/flood-maps/products-tools/know-your-risk/engineers-surveyors-architects
NFIP website	www.fema.gov/flood-insurance
NFHL Dataset	msc.fema.gov
FEMA Region V	536 South Clark Street, 6th Floor Chicago, IL 60605 (312) 408-5529
Other Federal Agencies	
USGS website	www.usgs.gov
Hydraulic Engineering Center website	www.hec.usace.army.mil
State Agencies and Organizations	
State NFIP Coordinator	State National Floodplain Insurance Program (NFIP) Coordinator Brian Cunningham Wisconsin Dept. of Natural Res. 101 S. Webster Street – WT/3 Madison, WI 53703 (608) 220-5633 Brian.Cunningham@Wisconsin.gov
State GIS Coordinator	Geographic Information Officer Jim Giglierano Wisconsin Department of Administration 101 East Wilson Street, 9th Floor Madison, WI 53707 (608) 267-6902 Jim.Giglierano@wisconsin.gov

SECTION 9.0 – BIBLIOGRAPHY AND REFERENCES

Table 32 includes sources used in the preparation of and cited in this FIS Report as well as additional studies that have been conducted in the study area.

Table 32: Bibliography and References

Citation in this FIS	Publisher/ Issuer	*Publication Title,* "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
FEMA, 1978	Federal Emergency Management Agency	*Flood Insurance Study, Village of Silver Lake, Kenosha County, Wisconsin, 550210v000*	Federal Emergency Management Agency	Washington, D.C.	03/01/1978	
FEMA, 1981	Federal Emergency Management Agency	*Flood Insurance Study, Village of Twin Lakes, Kenosha County, Wisconsin, 550211v000*	Federal Emergency Management Agency	Washington, D.C.	12/01/1981	
FEMA, 1996a	Federal Emergency Management Agency	*Flood Insurance Study, Kenosha County, Wisconsin, Unincorporated Areas, 550523v000*	Federal Emergency Management Agency	Washington, D.C.	12/05/1996	
FEMA, 1996b	Federal Emergency Management Agency	*Flood Insurance Study, City of Kenosha, Wisconsin, Kenosha County, 550209v000*	Federal Emergency Management Agency	Washington, D.C.	12/05/1996	
FEMA, 2014	Federal Emergency Management Agency	*Carthage College Men's Baseball Facility Improvements, LOMR 13-05-8170P*	Federal Emergency Management Agency	Washington, D.C.	05/13/2014	
FEMA, 2016	Federal Emergency Management Agency	*Unnamed Tributary No. 1 to Hooker Lake, LOMR 16-05-2093P*	Federal Emergency Management Agency	Washington, D.C.	10/25/2016	
FEMA, 2017	Federal Emergency Management Agency	*Flood Insurance Study Report, Kenosha County, Wisconsin, and Incorporated Areas, Volume 55059CV000B*	Federal Emergency Management Agency	Washington, D.C.	03/07/2017	

Table 32: Bibliography and References *(continued)*

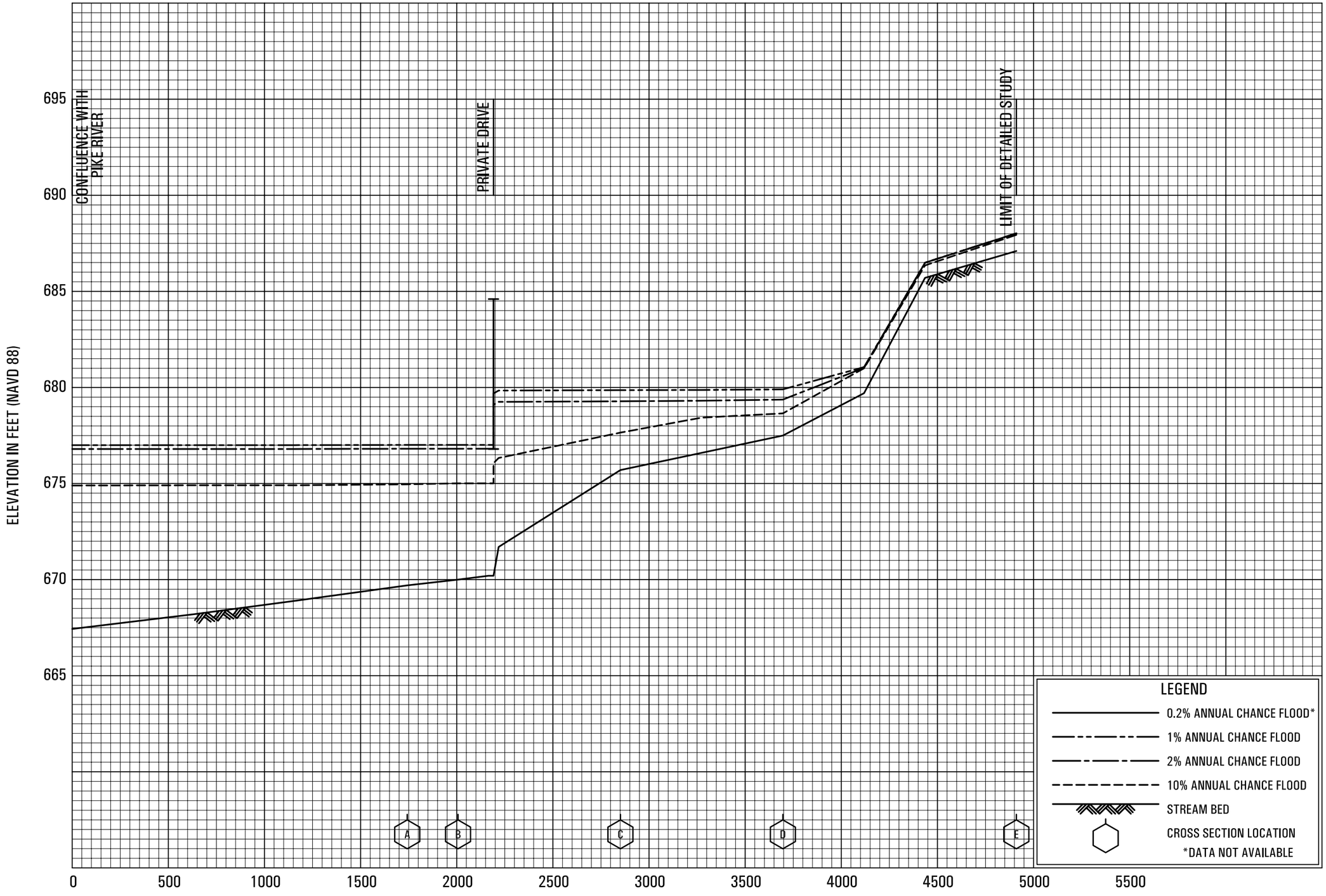
Citation in this FIS	Publisher/ Issuer	*Publication Title,* "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
GEI, 2013	GEI Consultants, Inc.	*We Energies Pleasant Prairie Ash Landfill Levee Certification*	GEI Consultants, Inc.	Green Bay, WI	06/05/2013	
ISWS, 1974	Illinois State Water Survey	*The Illinois Urban Drainage Simulator. ILLUDAS. Bulletin No. 58*	Illinois State Water Survey	Urbana, IL	1974	
JALBTCX, 2013	US Army Corps of Engineers, JALBTCX	*2013 Kenosha County LiDAR for coastal study*	US Army Corps of Engineers, JALBTCX	Washington, D.C.	01/13/2013	
KCDPD, 2006	Kenosha County Department of Planning and Development	*Kenosha County Municipal Boundaries*	Kenosha County Department of Planning and Development	Bristol, WI	04/13/2016	
Kenosha, 2005	Kenosha County	*2005 Topographic Map of Kenosha County, Wisconsin, Scale 1:2,400, Contour Interval 2 feet*	Kenosha County	Kenosha, WI	01/01/2005	
NHD, 2017	US Geological Survey	*Watershed Boundary Dataset (WBD), HUC8 Boundaries*	US Geological Survey	Washington, D.C.	09/01/2017	
PBS&J, 2005	PBS&J	*PBS&J Study of the Village of Pleasant Prairie*	PBS&J	Madison, WI	02/16/2005	
SEWRPC, 2005	Southeastern WI Regional Planning Commission	*Streams and Floodplain Studies Data Set*	Southeastern WI Regional Planning Commission	Waukesha, WI	2005	
STARR, 2017a	Federal Emergency Management Agency	*RM-REG-FY12&13-WI-Kenosha County Lake Michigan Coastal Update-C*	STARR	Washington, D.C.	09/13/2017	

Table 32: Bibliography and References *(continued)*

Citation in this FIS	Publisher/ Issuer	*Publication Title,* "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
STARR, 2017b	Federal Emergency Management Agency	*Redelineation of Barnes Creek South Outlet*	STARR	Washington, D.C.	01/13/2013	
STS, 2000	STS Consultants Ltd.	*Flood Plain Berm Pleasant Prairie Power Plant Ash Landfill*	STS Consultants Ltd.	Milwaukee, WI	12/01/2000	
USCB, 2000	Office of Land Information Services, Wisconsin DOA	*Wisconsin 2000 Roads*	US Census Bureau	Madison, WI	01/01/2000	
USDA, 2005	USDA FSA Aerial Photography Field Office	*2005 NAIP DOP Imagery*	USDA FSA Aerial Photography Field Office	Salt Lake City, UT	08/08/2005	
USGS, 2020	US Geological Survey	*USGS National Map: Orthoimagery for Kenosha County*	US Geological Survey	Washington, D.C.	2020	
WDNR, 1996	Wisconsin Department of Natural Resources	*Wisconsin PLSS sections from 1:24K Landnet*	Wisconsin Department of Natural Resources	Madison, WI	1996	
WDNR, 2004	Wisconsin Department of Natural Resources	*Wisconsin Hydrological Features*	Wisconsin Department of Natural Resources	Madison, WI	06/01/2004	
WDNR, 2006a	Wisconsin Department of Natural Resources	*Zone X Areas*	Wisconsin Department of Natural Resources	Madison, WI	2006	
WDNR, 2006b	Wisconsin Department of Natural Resources	*General Structures for Kenosha Countywide Study*	Wisconsin Department of Natural Resources	Madison, WI	2006	
WDNR, 2007	Wisconsin Department of Natural Resources	*FIRM Panel Index for Kenosha Countywide Study*	Wisconsin Department of Natural Resources	Madison, WI	2007	

Table 32: Bibliography and References *(continued)*

Citation in this FIS	Publisher/ Issuer	*Publication Title,* "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
WDNR, 2013	Wisconsin Department of Natural Resources	*Kenosha County, WI 5-foot Digital Elevation Model (DEM) derived from 2013 LiDAR flight*	Wisconsin Department of Natural Resources	Madison, WI	07/30/2013	
WDNR, 2015a	Wisconsin Department of Natural Resources	*New Detailed (Zone AE) Study Modeling and Mapping, Upper Fox Watershed in Kenosha County, WI and Incorporated Areas*	Wisconsin Department of Natural Resources	Madison, WI	TBD	
WDNR, 2015b	Wisconsin Department of Natural Resources	*New Approximate (Zone A) Study Modeling and Mapping, Upper Fox Watershed in Kenosha County, WI and Incorporated Areas*	Wisconsin Department of Natural Resources	Madison, WI	TBD	
WDNR, 2015c	Wisconsin Department of Natural Resources	*Wisconsin 2010 Census roads and railroads*	Wisconsin Department of Natural Resources	Madison, WI	09/14/2015	
WDNR, 2015d	Wisconsin Department of Natural Resources	*Upper Fox River and Coastal Study in Kenosha County, and Incorporated Areas. 12-05-2816S*	Wisconsin Department of Natural Resources	Madison, WI	TBD	
WDNR, 2021a	Wisconsin Department of Natural Resources	*Zone X Areas, Upper Fox and Coastal Studies, 12-05-2816S*	Wisconsin Department of Natural Resources	Madison, WI	TBD	
WDNR, 2021b	Wisconsin Department of Natural Resources	*Kenosha County Municipal Boundaries - 2021*	Wisconsin Department of Natural Resources	Madison, WI	04/07/2021	



FLOOD PROFILES

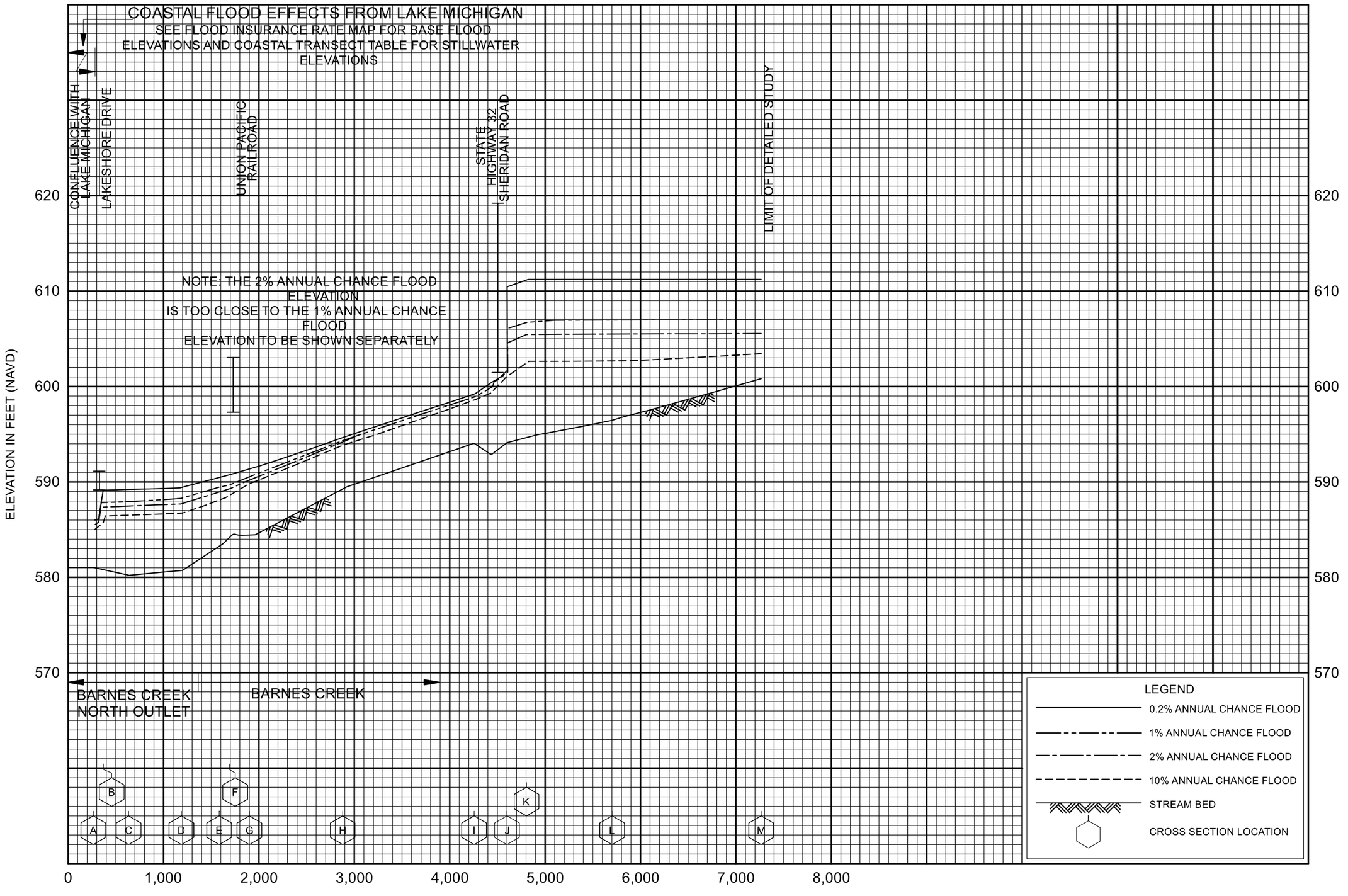
AIRPORT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

01P



FLOOD PROFILES

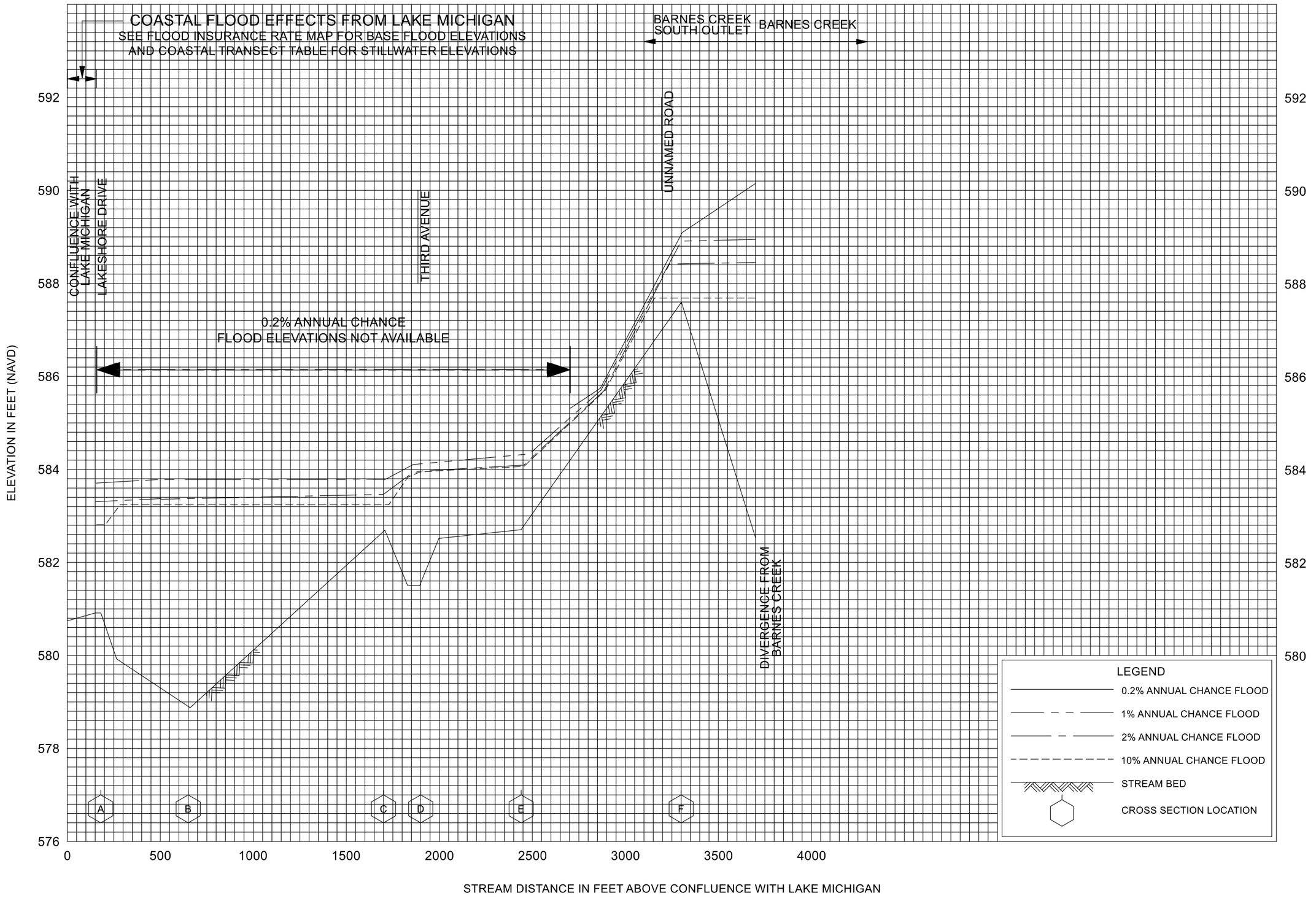
BARNES CREEK NORTH OUTLET - BARNES CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

02P



FLOOD PROFILES

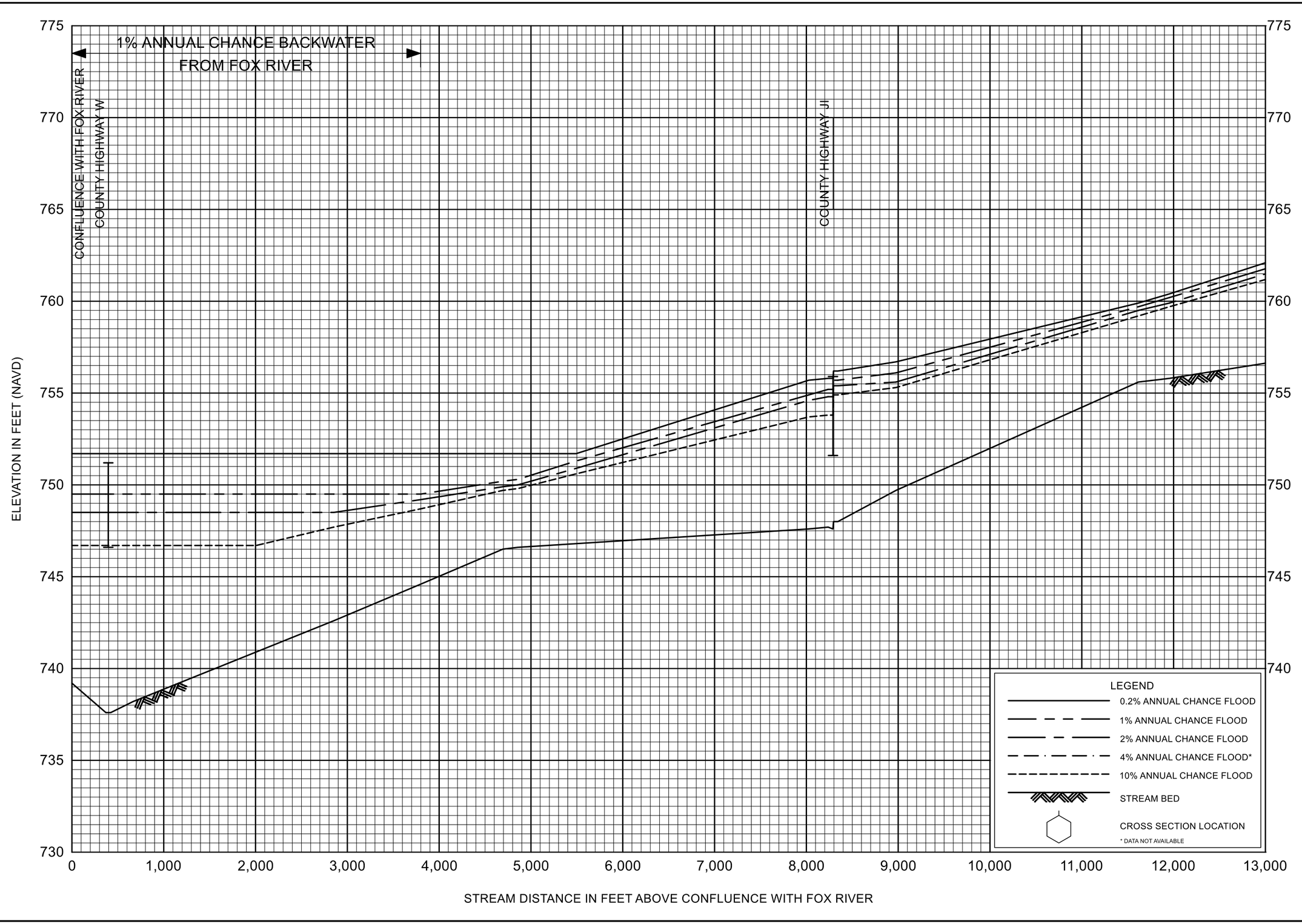
BARNES CREEK SOUTH OUTLET

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

03P



FLOOD PROFILES

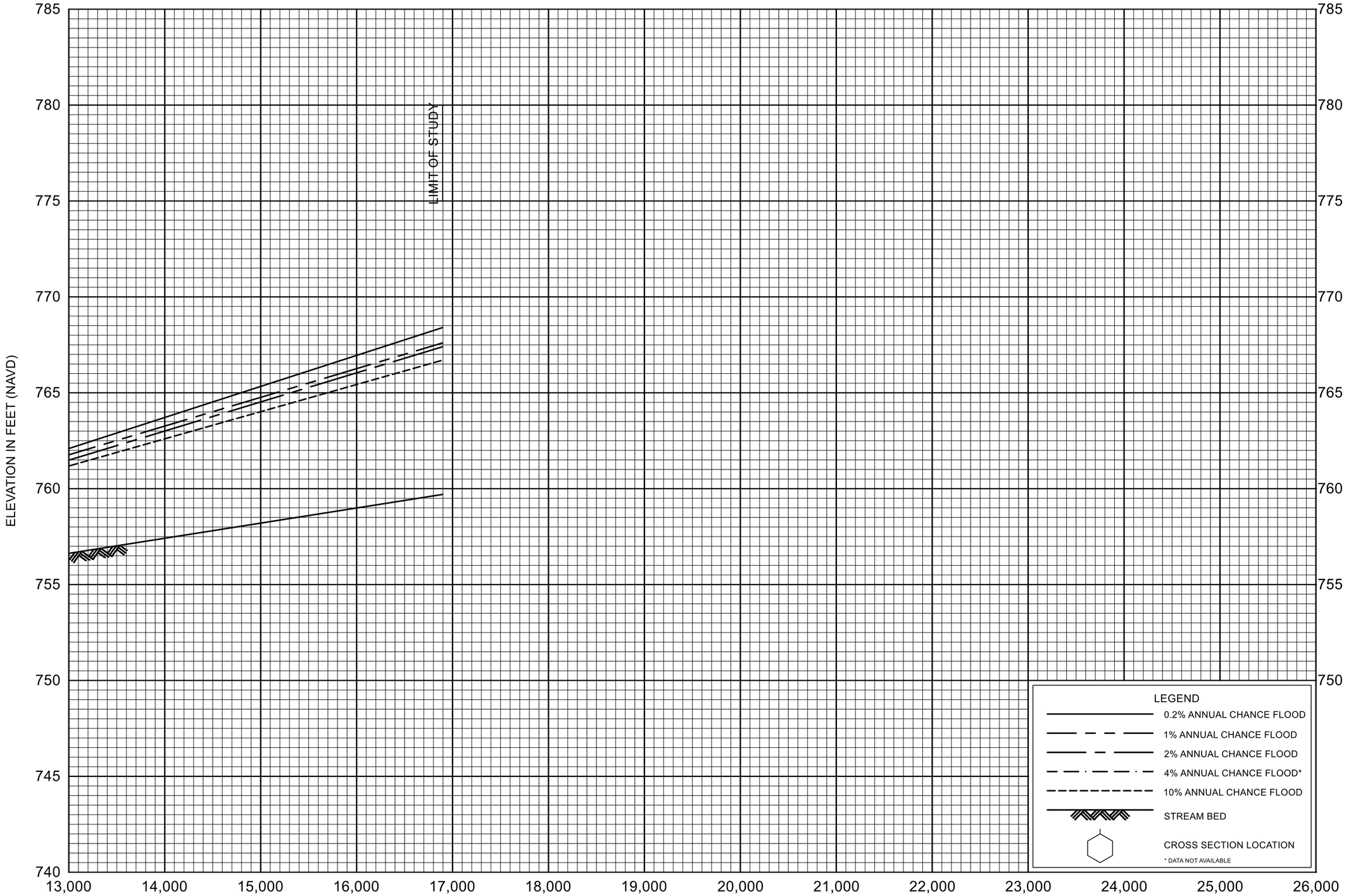
BASSETT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

04P



FLOOD PROFILES

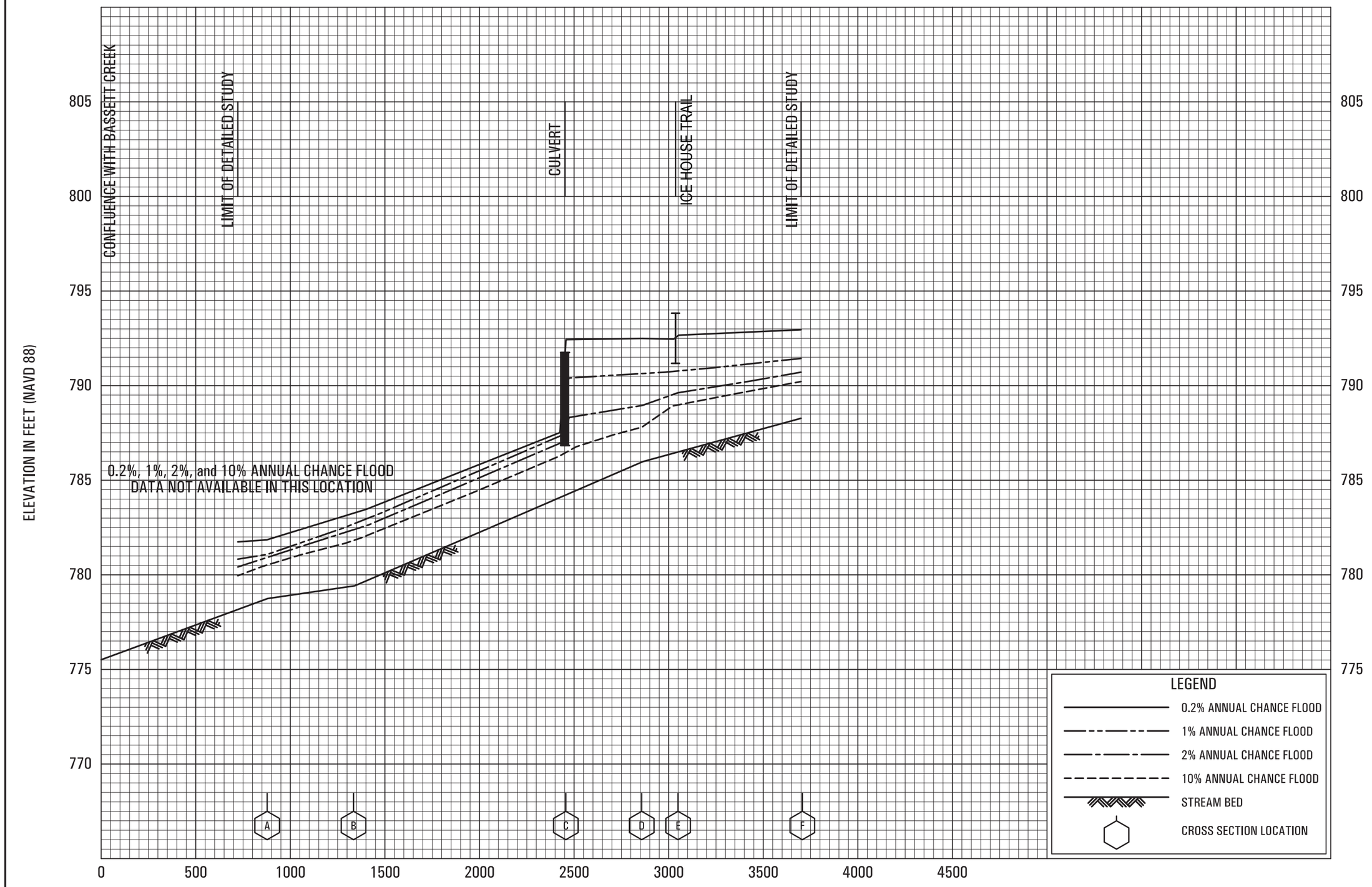
BASSETT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

05P



FLOOD PROFILES

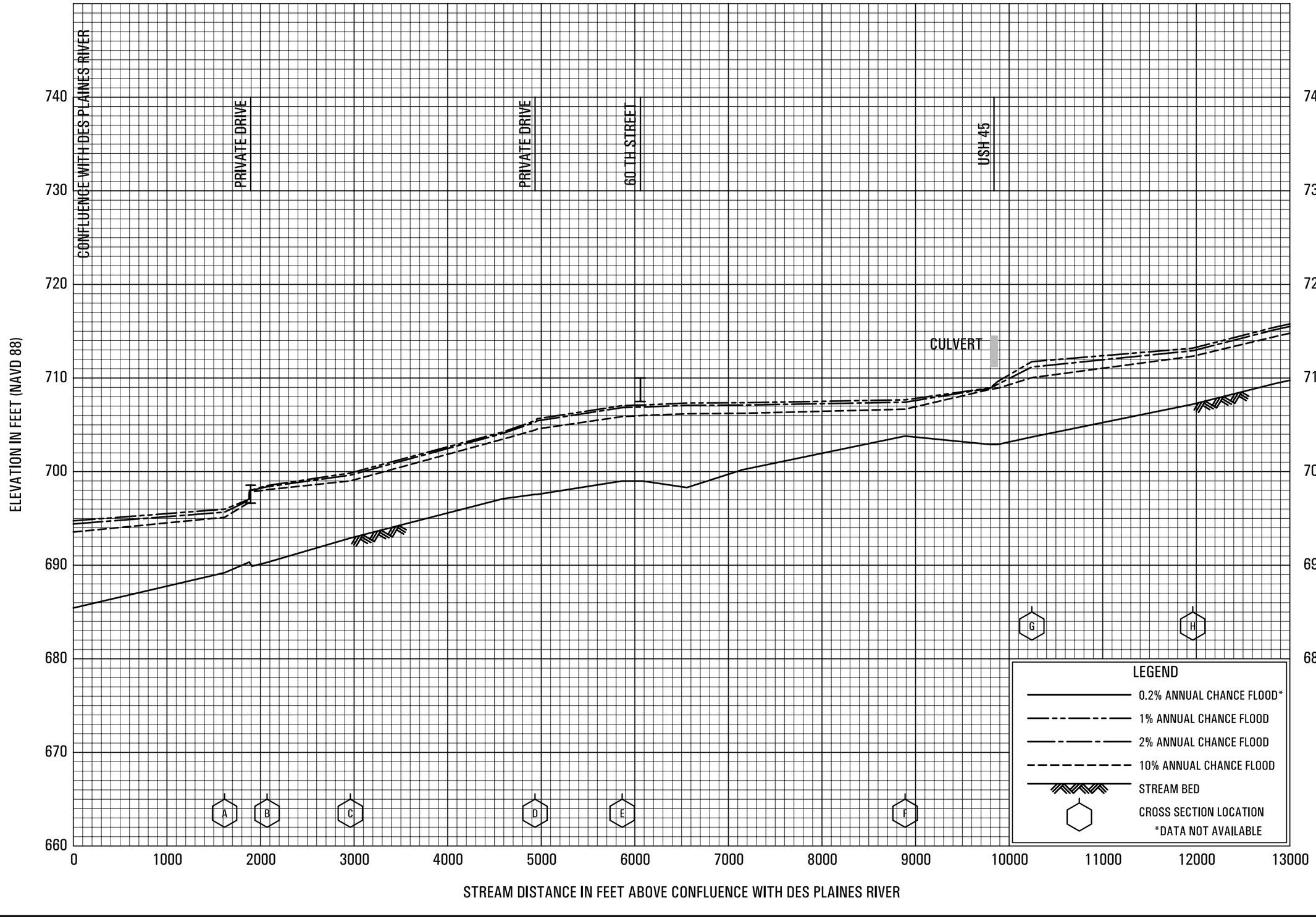
BASSETT CREEK TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

06P



FLOOD PROFILES

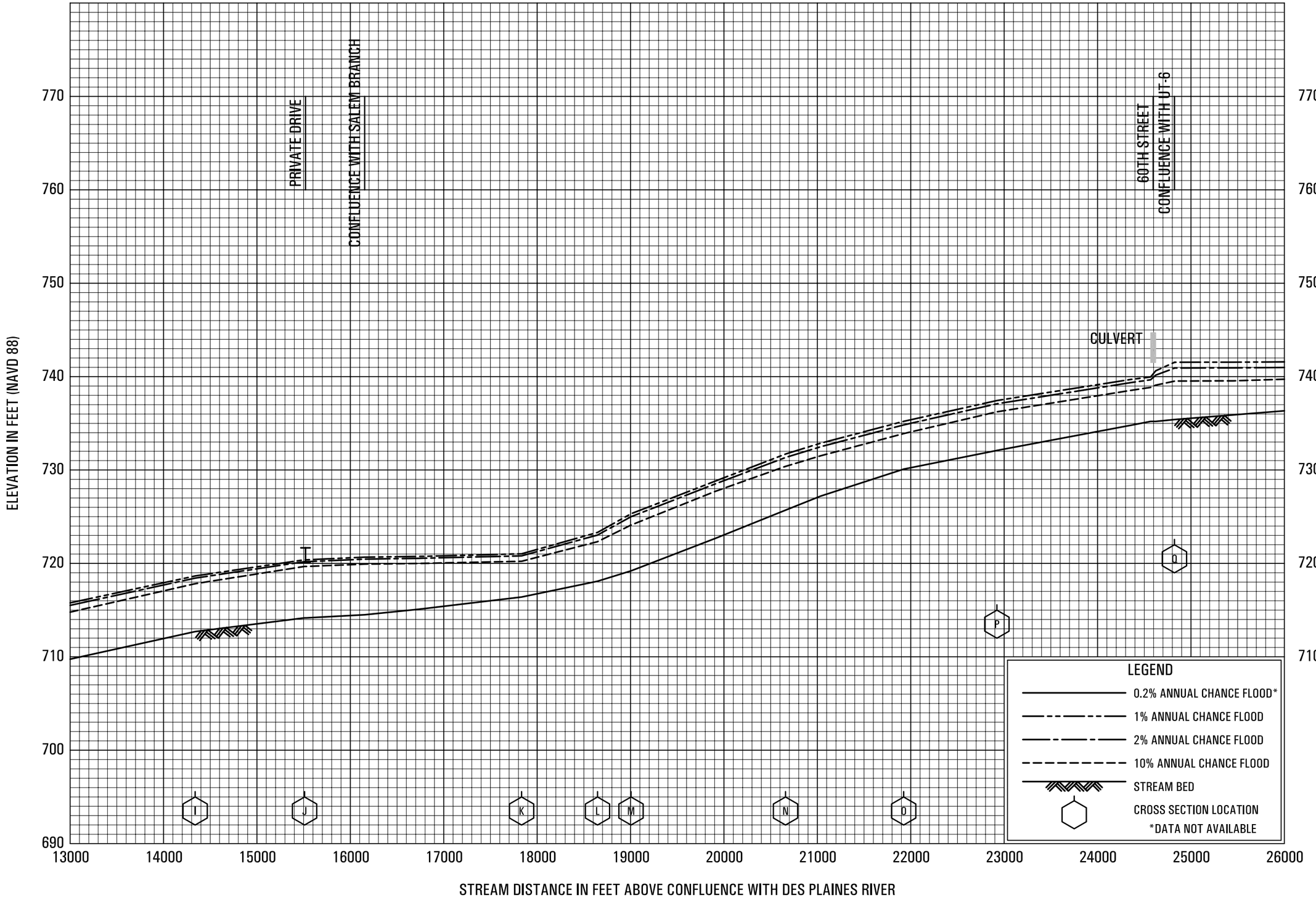
BRIGHTON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

07P



FLOOD PROFILES

BRIGHTON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

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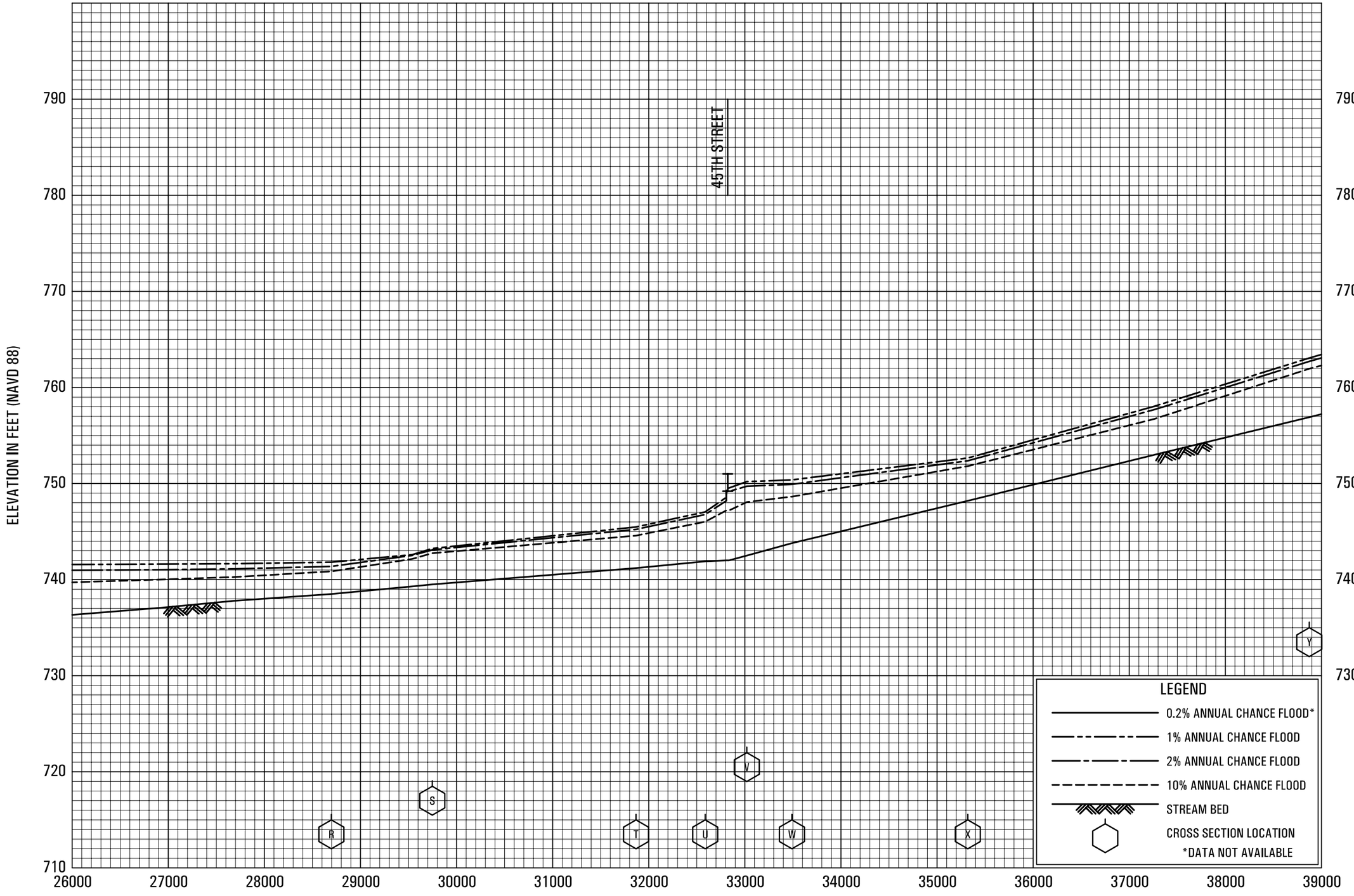


FLOOD PROFILES

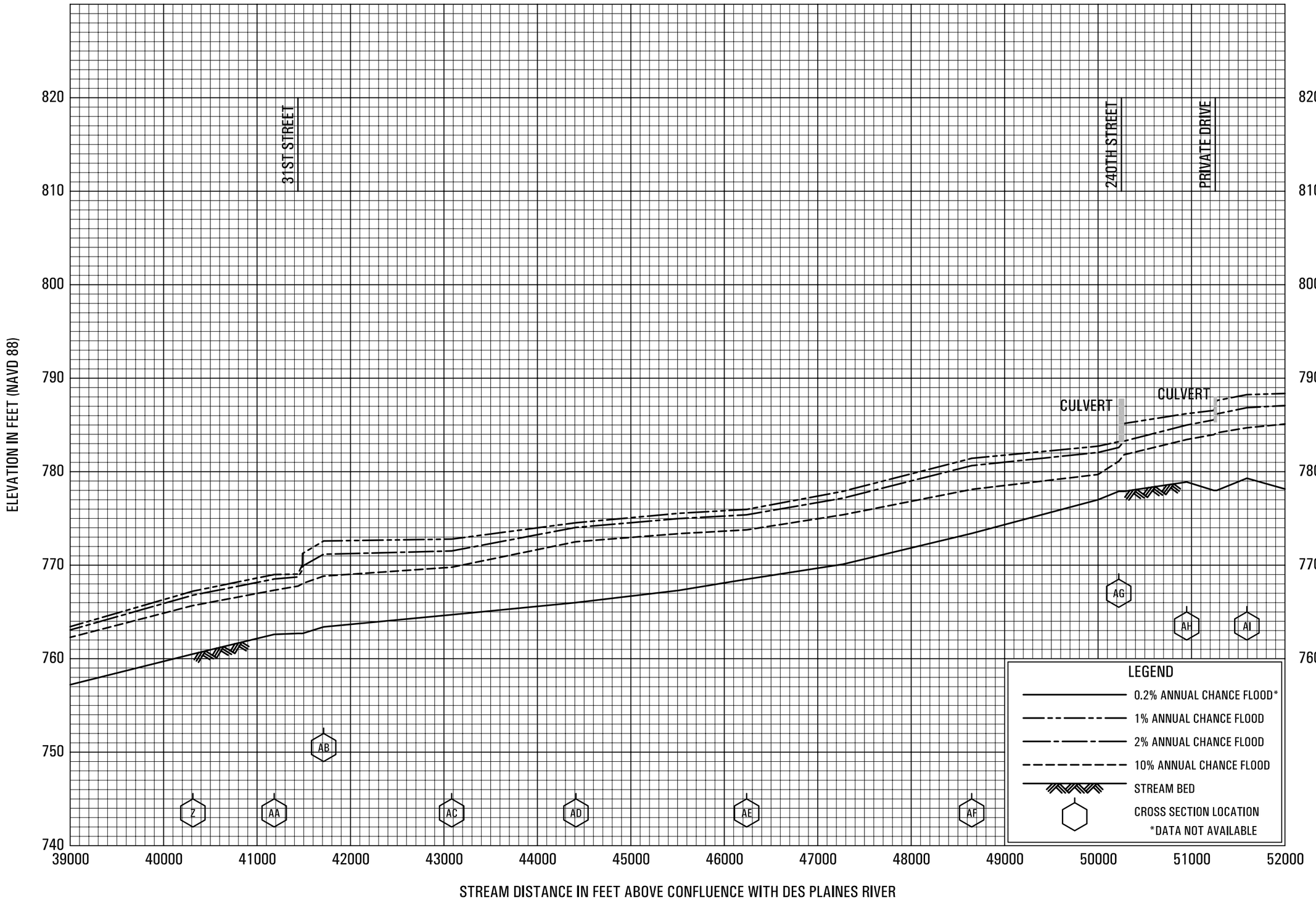
BRIGHTON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

09P



FLOOD PROFILES

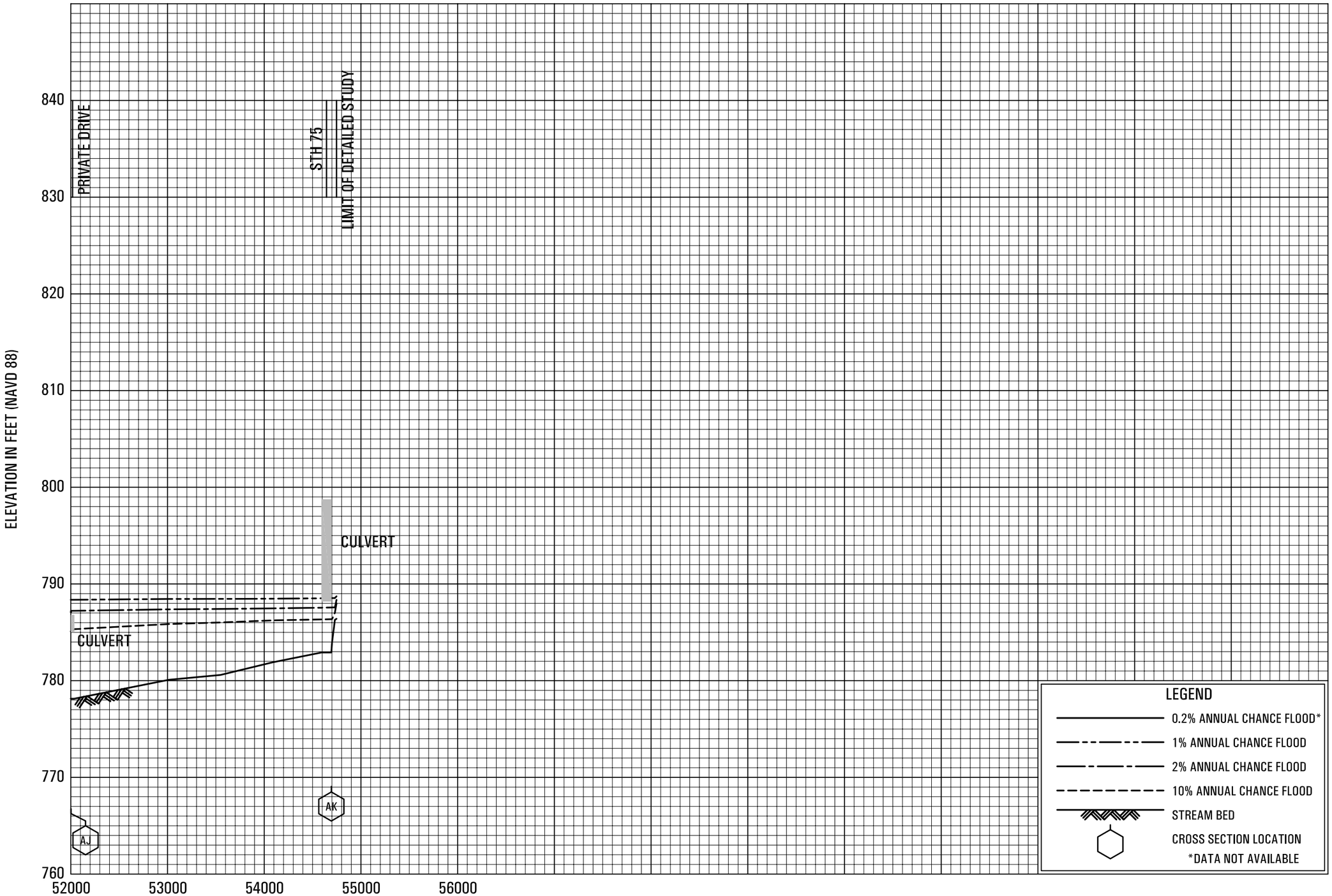
BRIGHTON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

10P



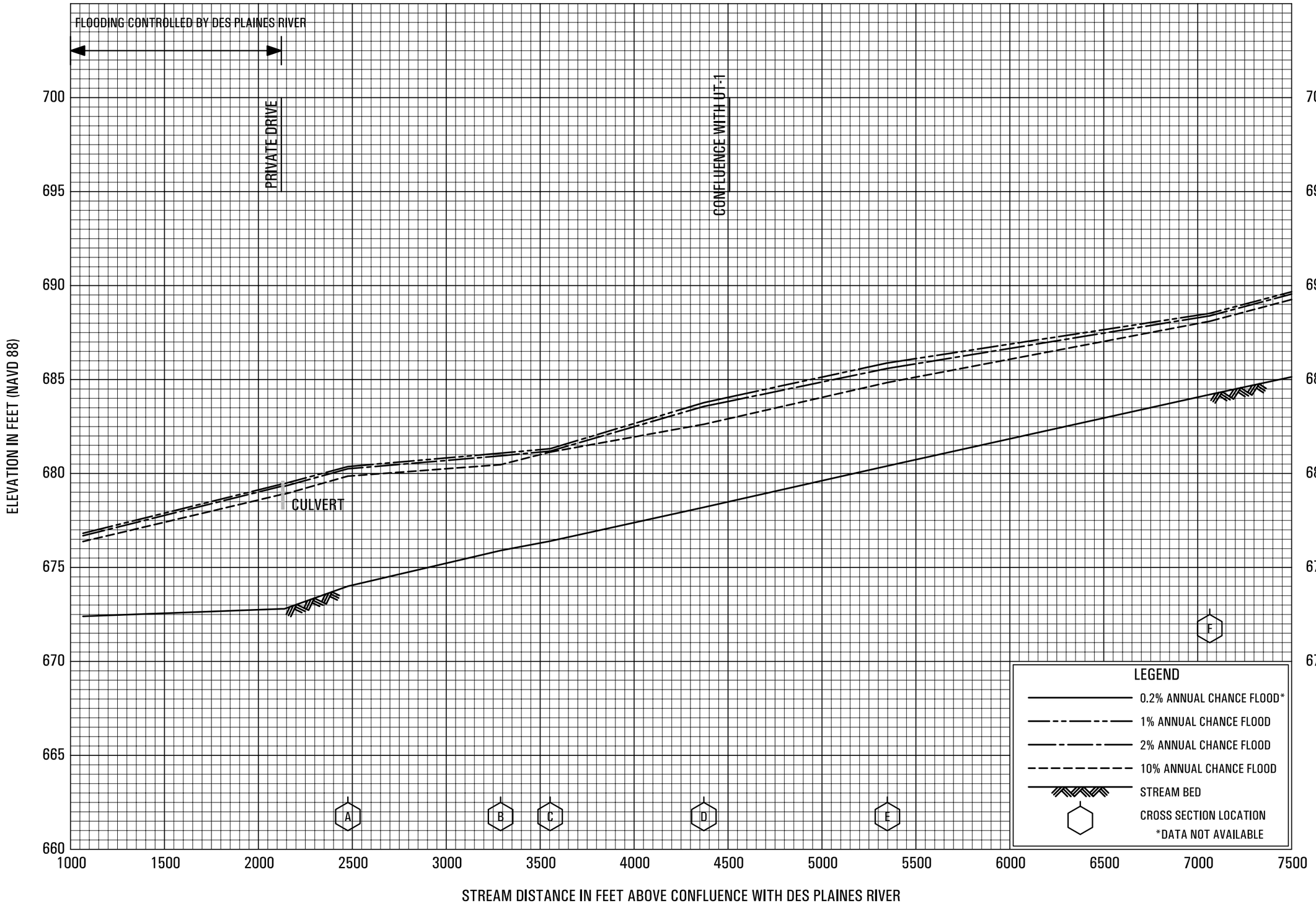
FLOOD PROFILES

BRIGHTON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS



FLOOD PROFILES

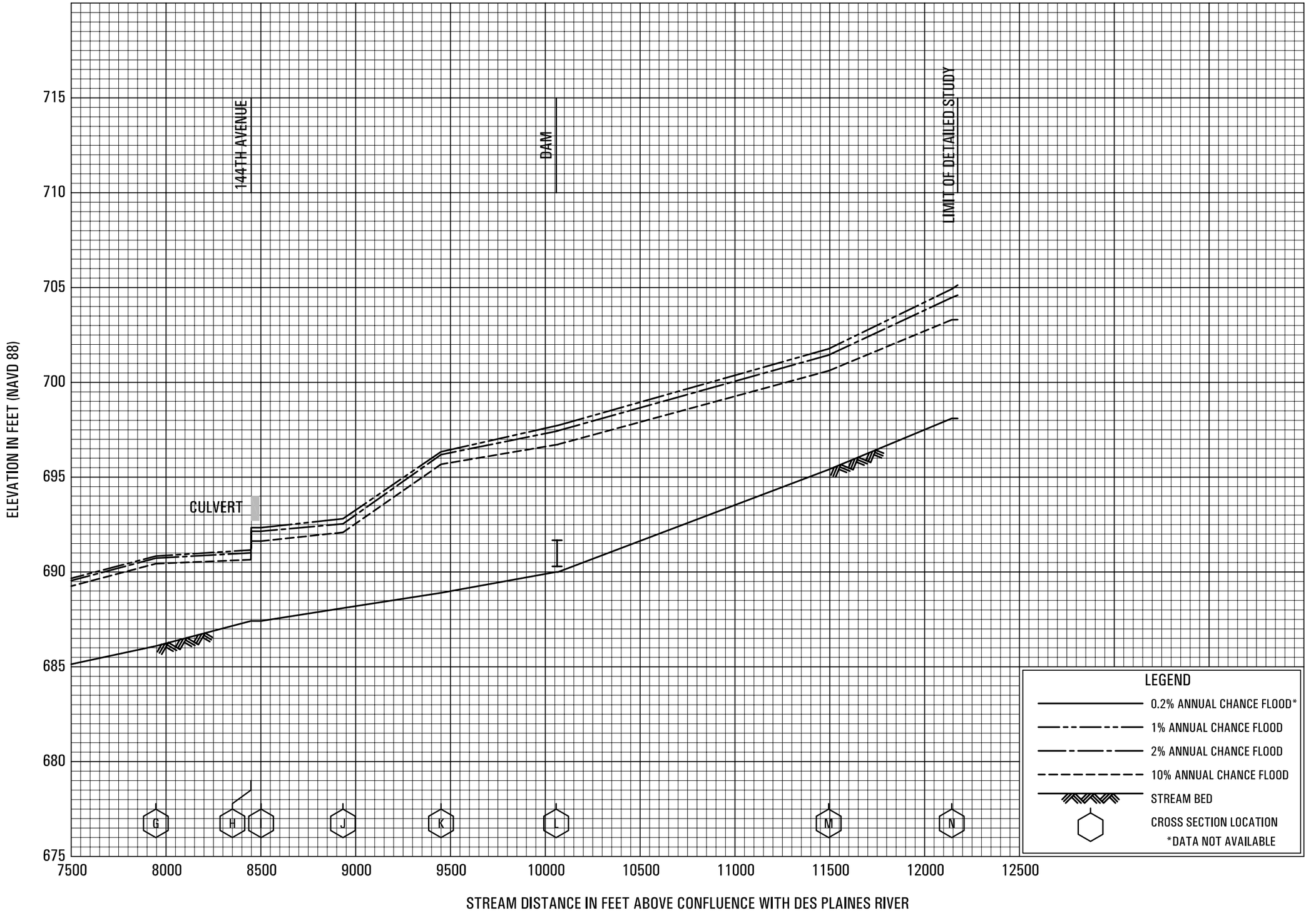
CENTER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

12P



FLOOD PROFILES

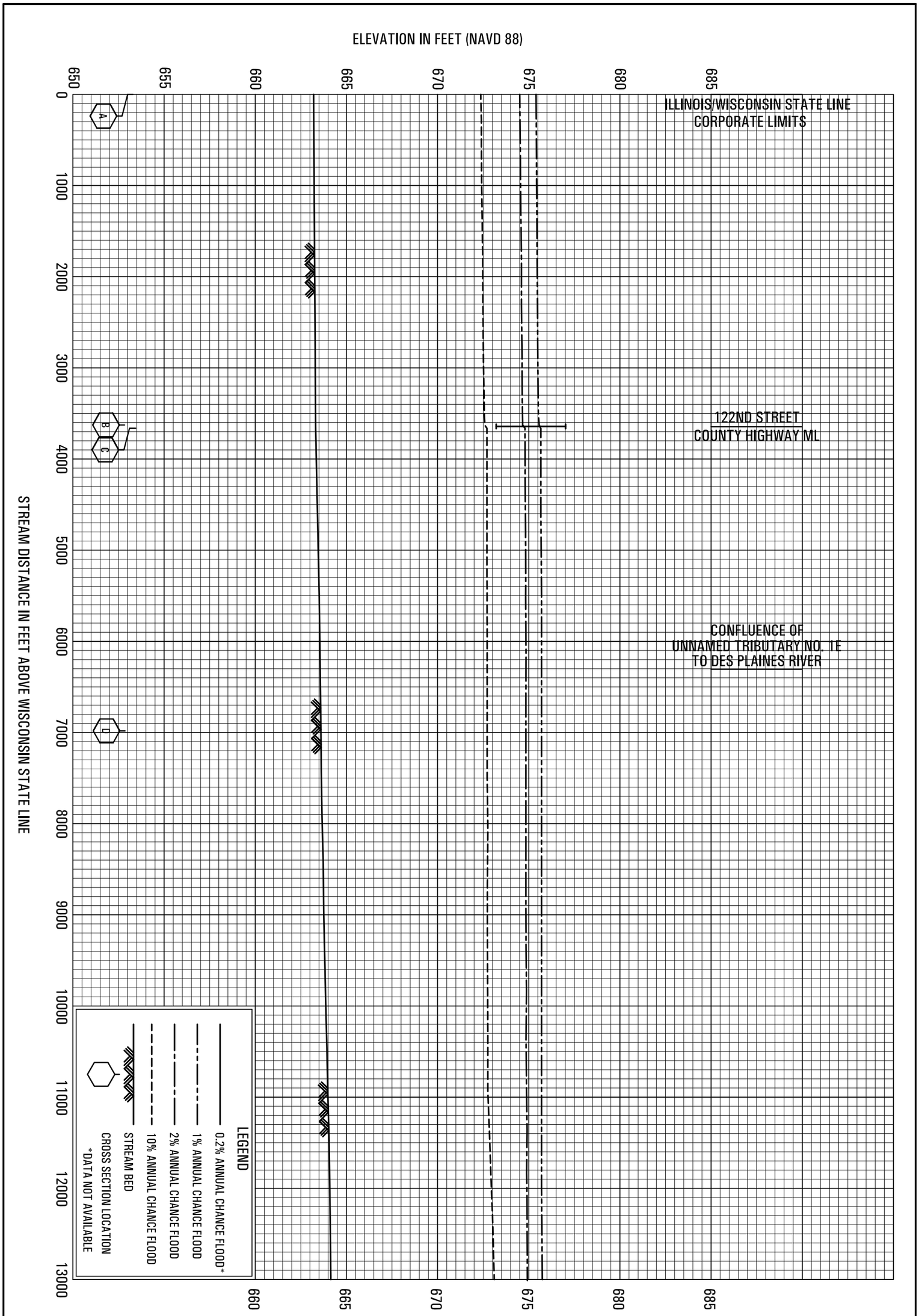
CENTER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

13P



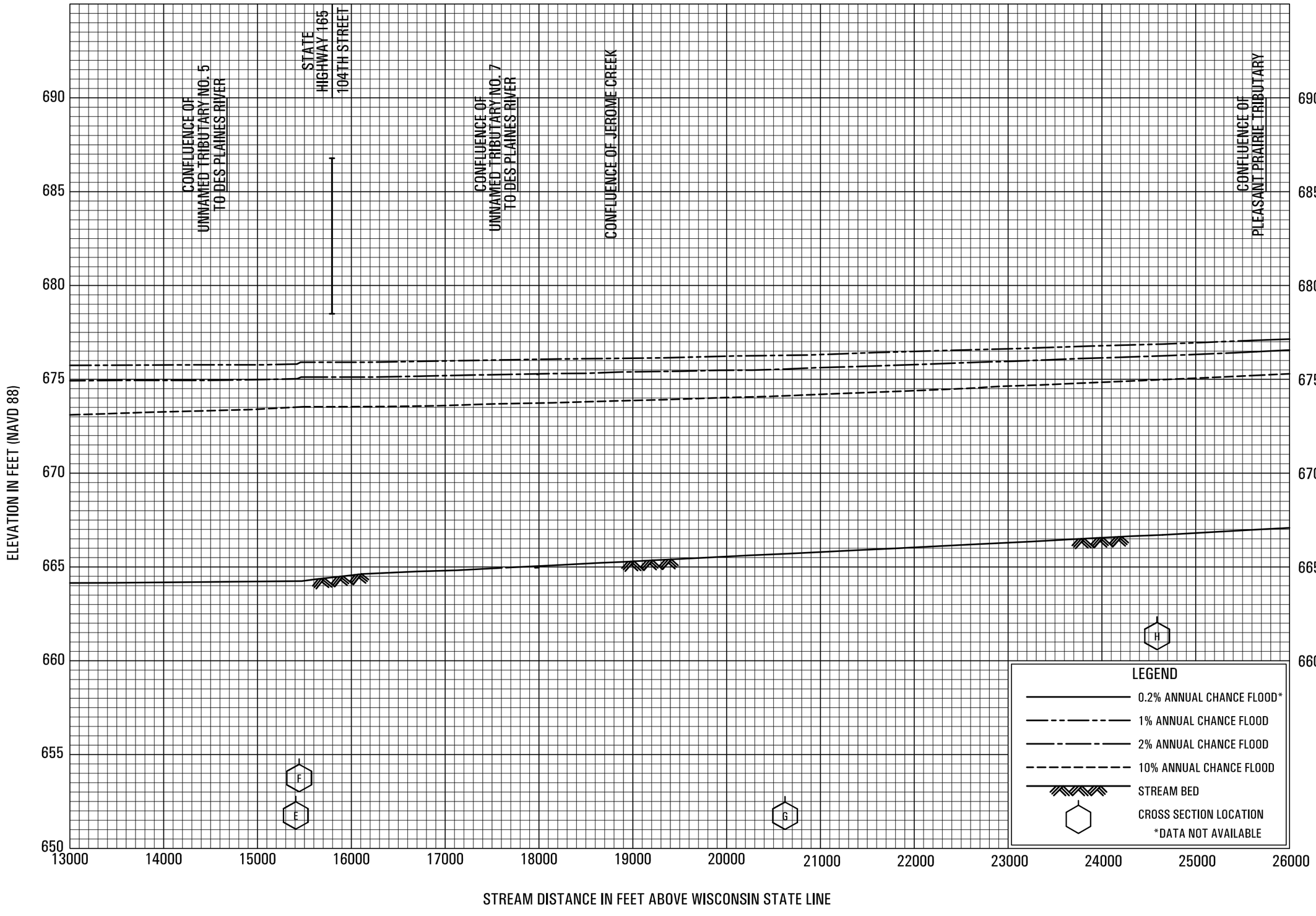
FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOOD PROFILES

DES PLAINES RIVER



FLOOD PROFILES

DES PLAINES RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI
AND INCORPORATED AREAS

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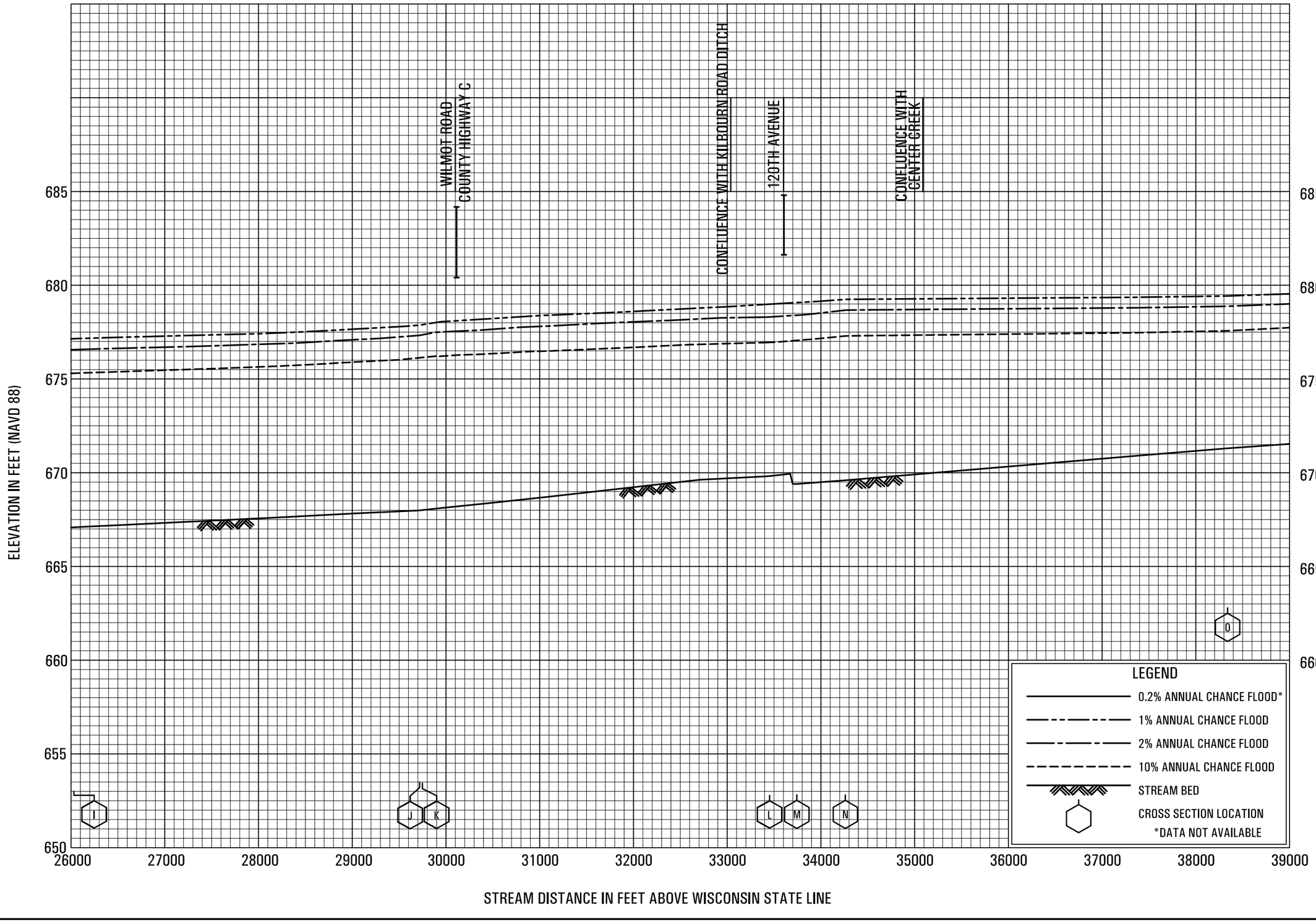


FLOOD PROFILES

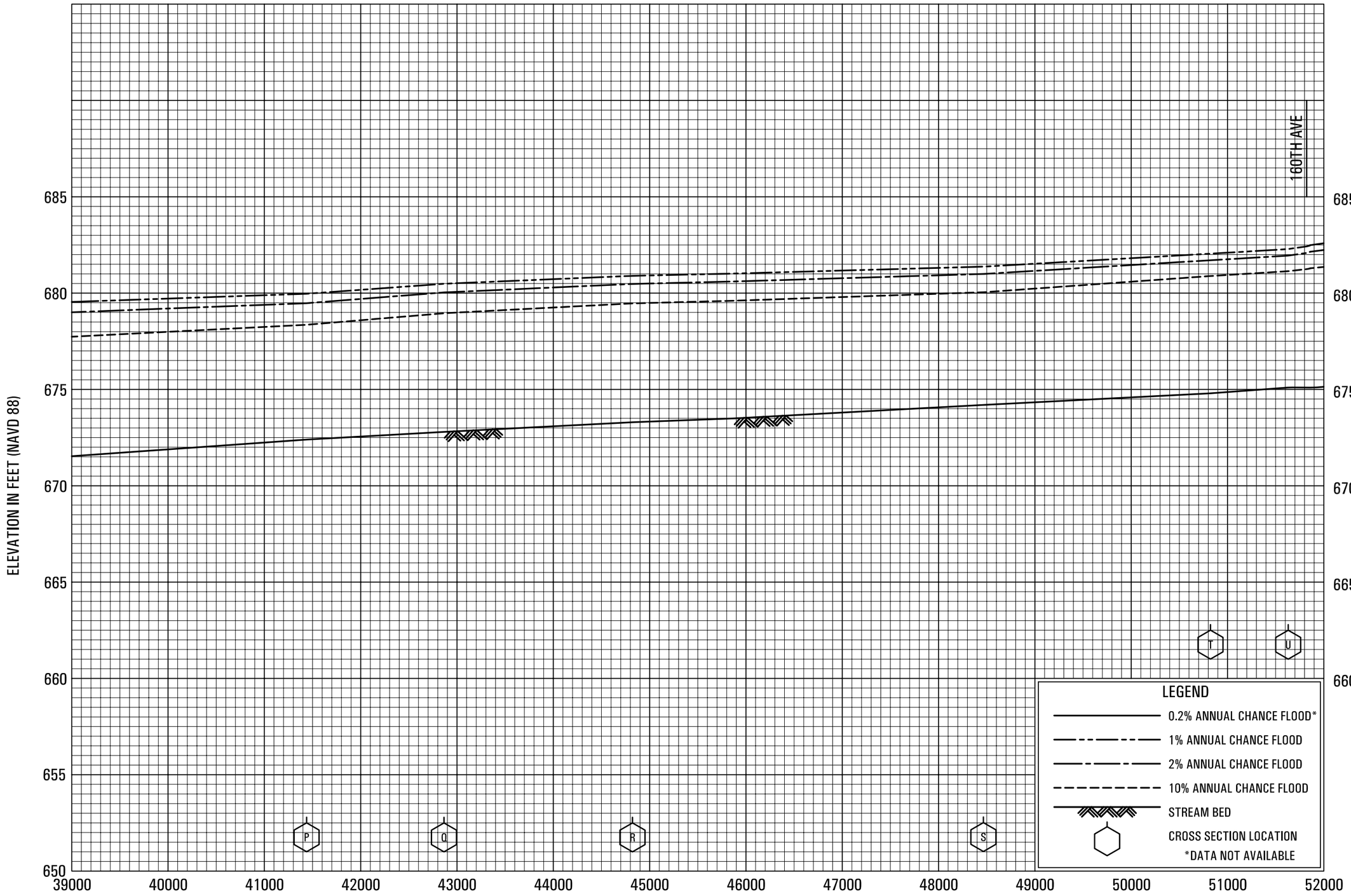
DES PLAINES RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

16P



FLOOD PROFILES

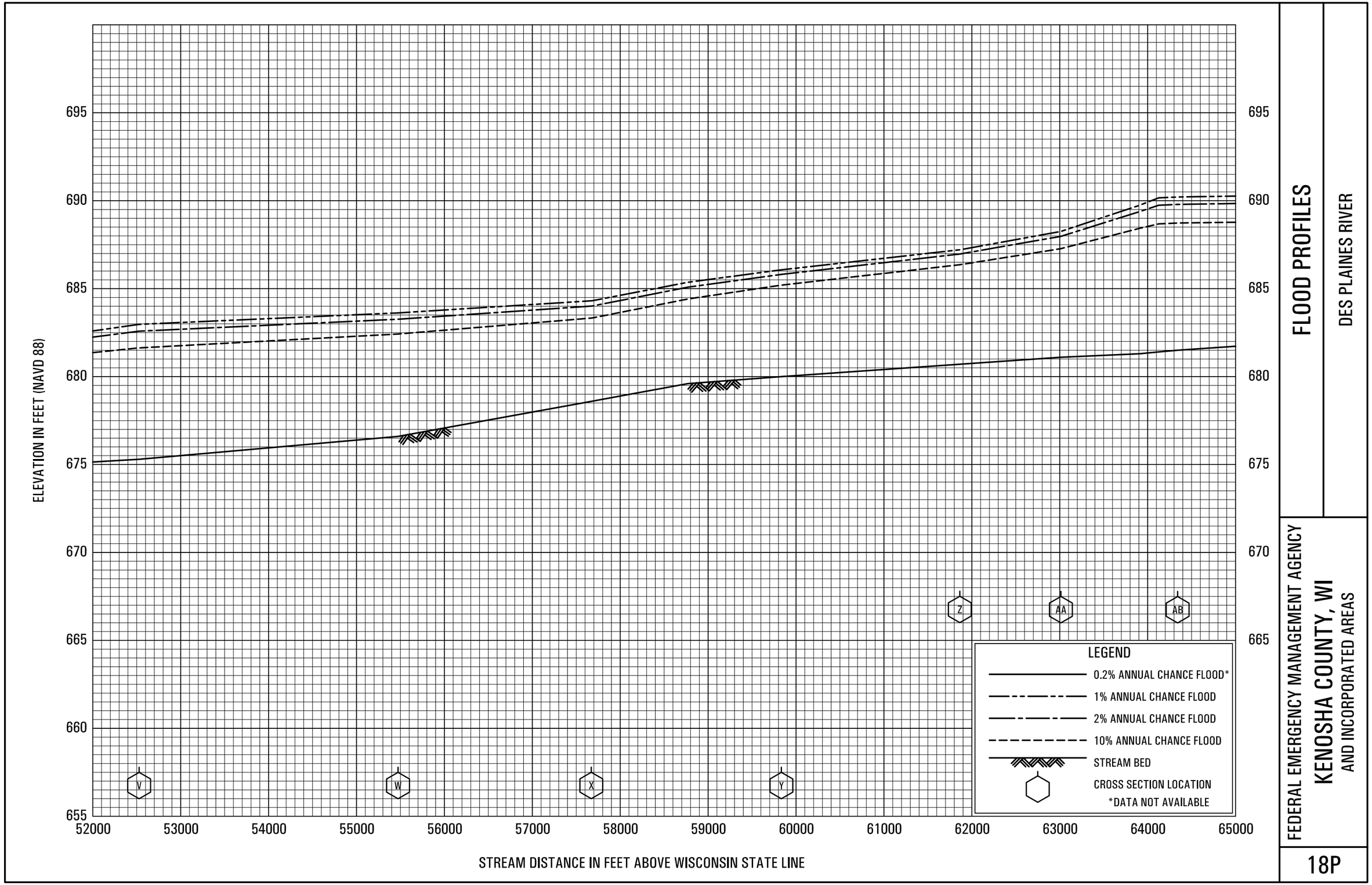
DES PLAINES RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

17P

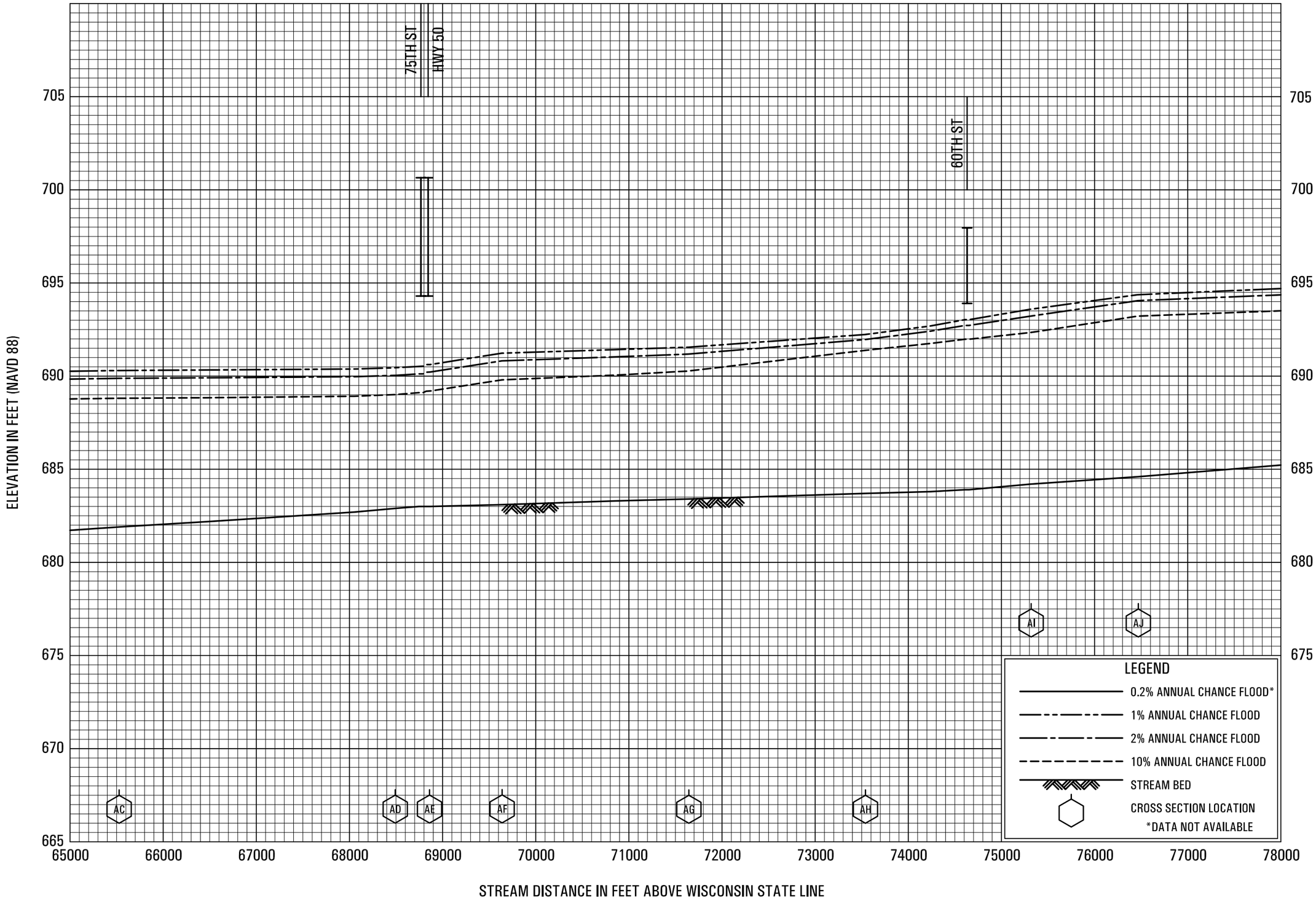


FLOOD PROFILES

DES PLAINES RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI
AND INCORPORATED AREAS



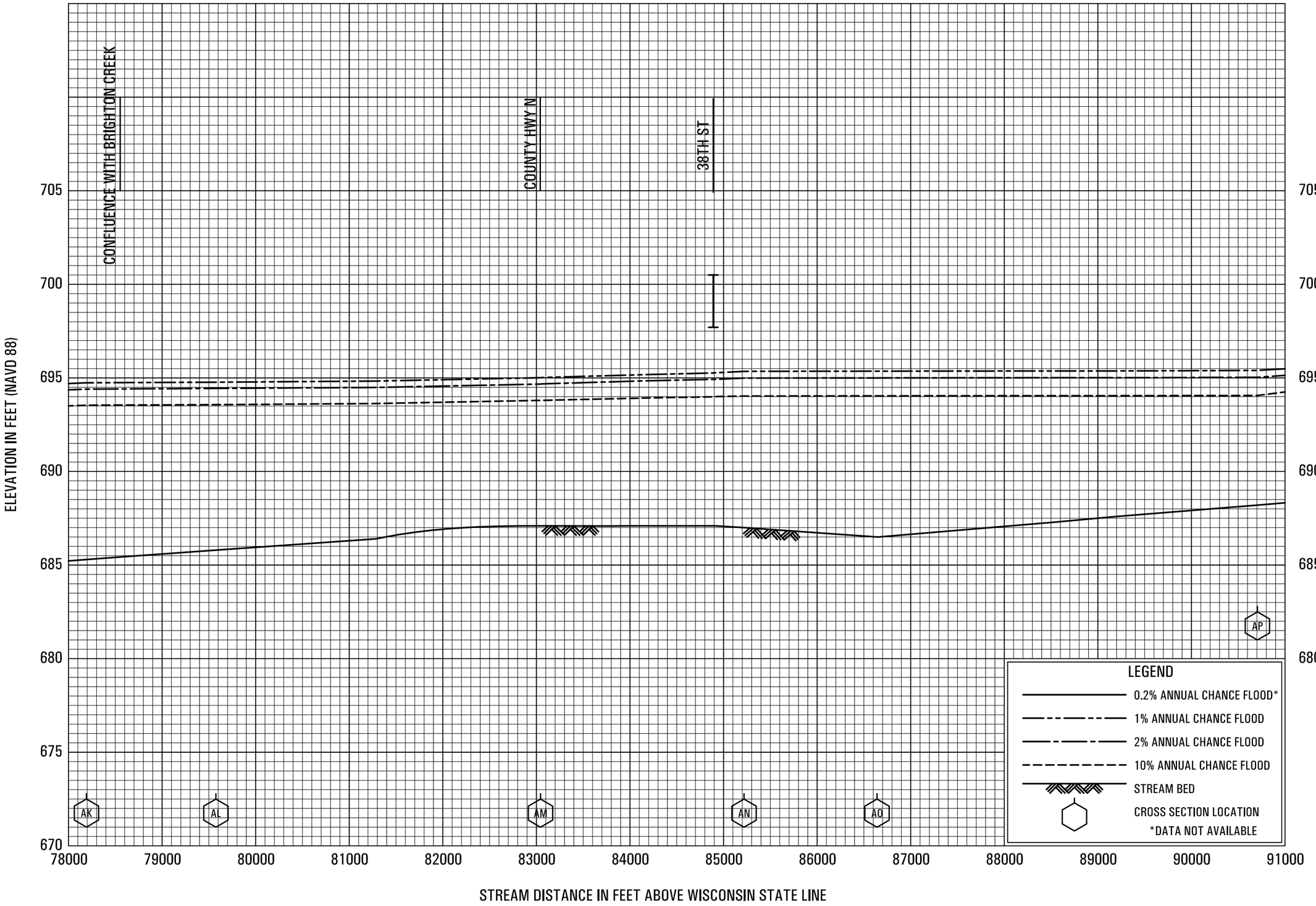
FLOOD PROFILES

DES PLAINES RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS



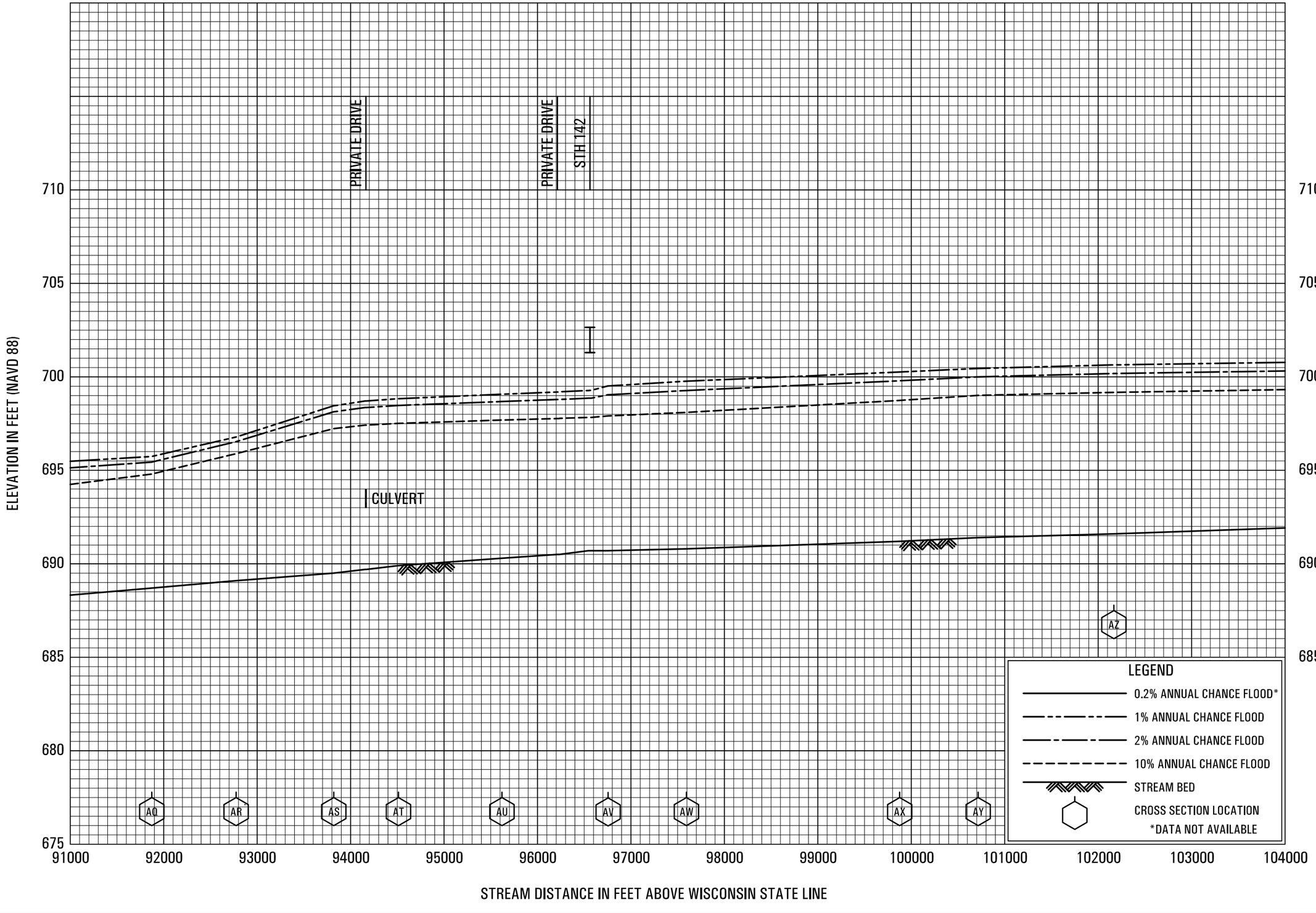
FLOOD PROFILES

DES PLAINES RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS



FLOOD PROFILES

DES PLAINES RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOOD PROFILES

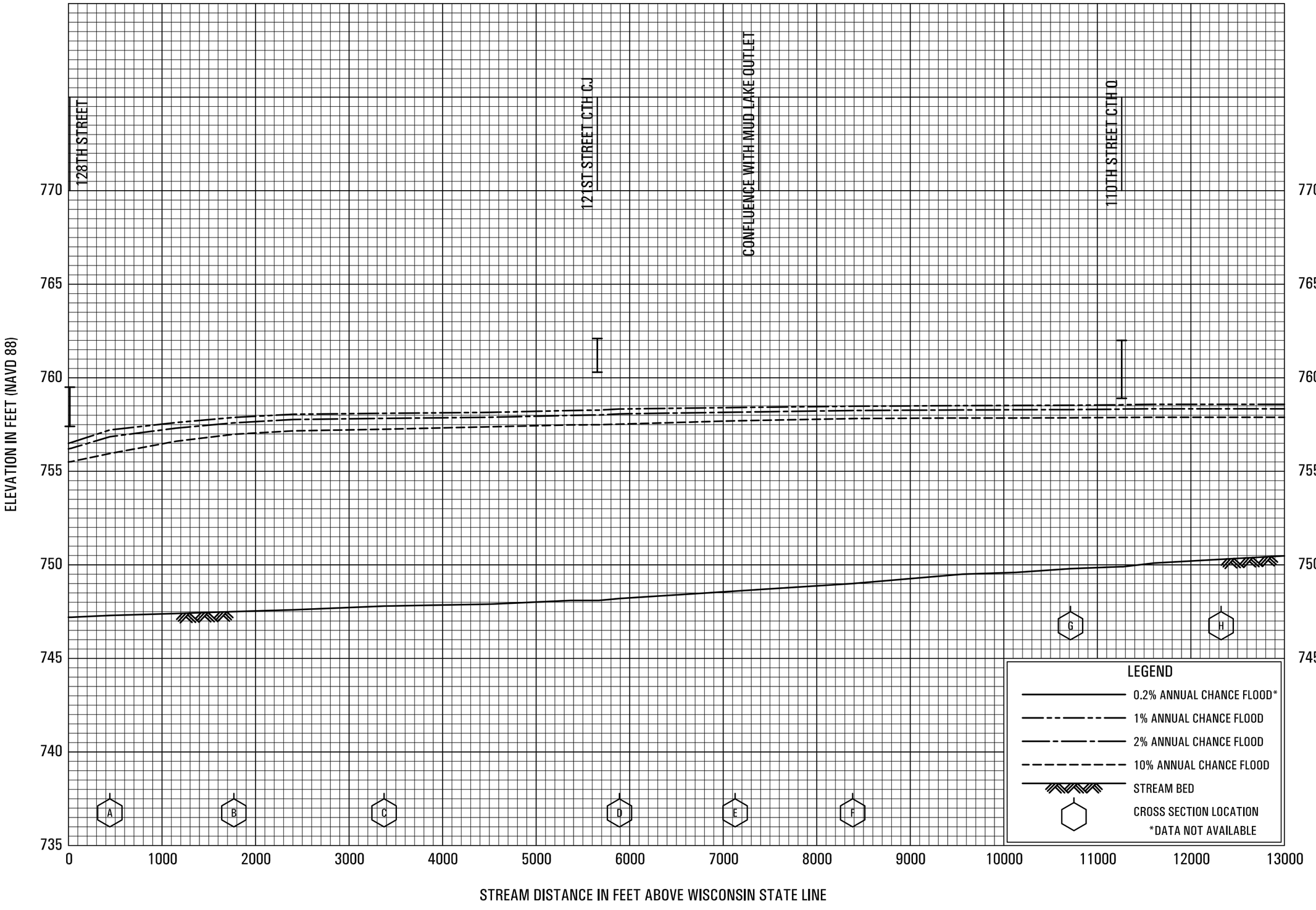
DES PLAINES RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

22P



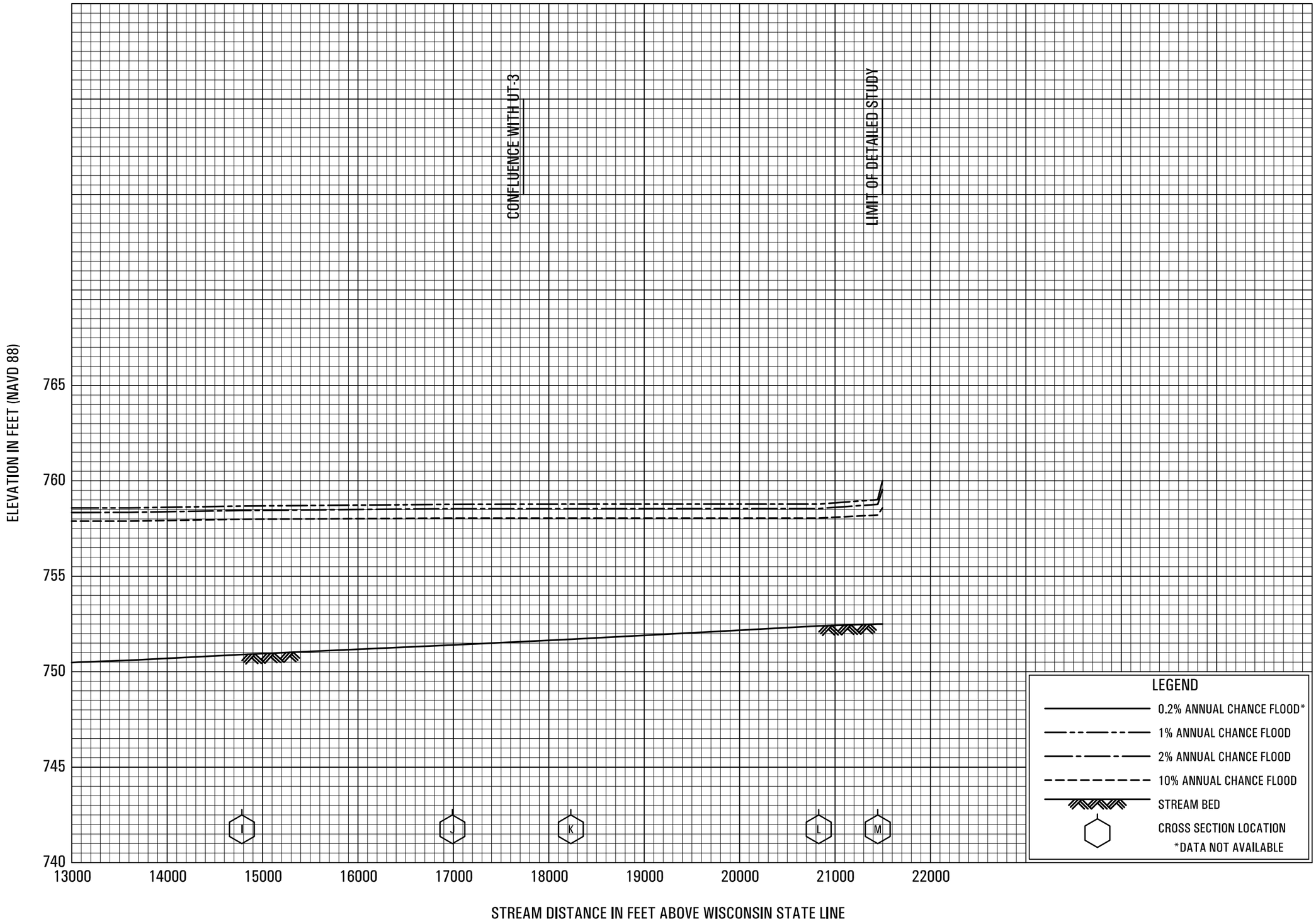
FLOOD PROFILES

DUTCH GAP CANAL

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS



FLOOD PROFILES

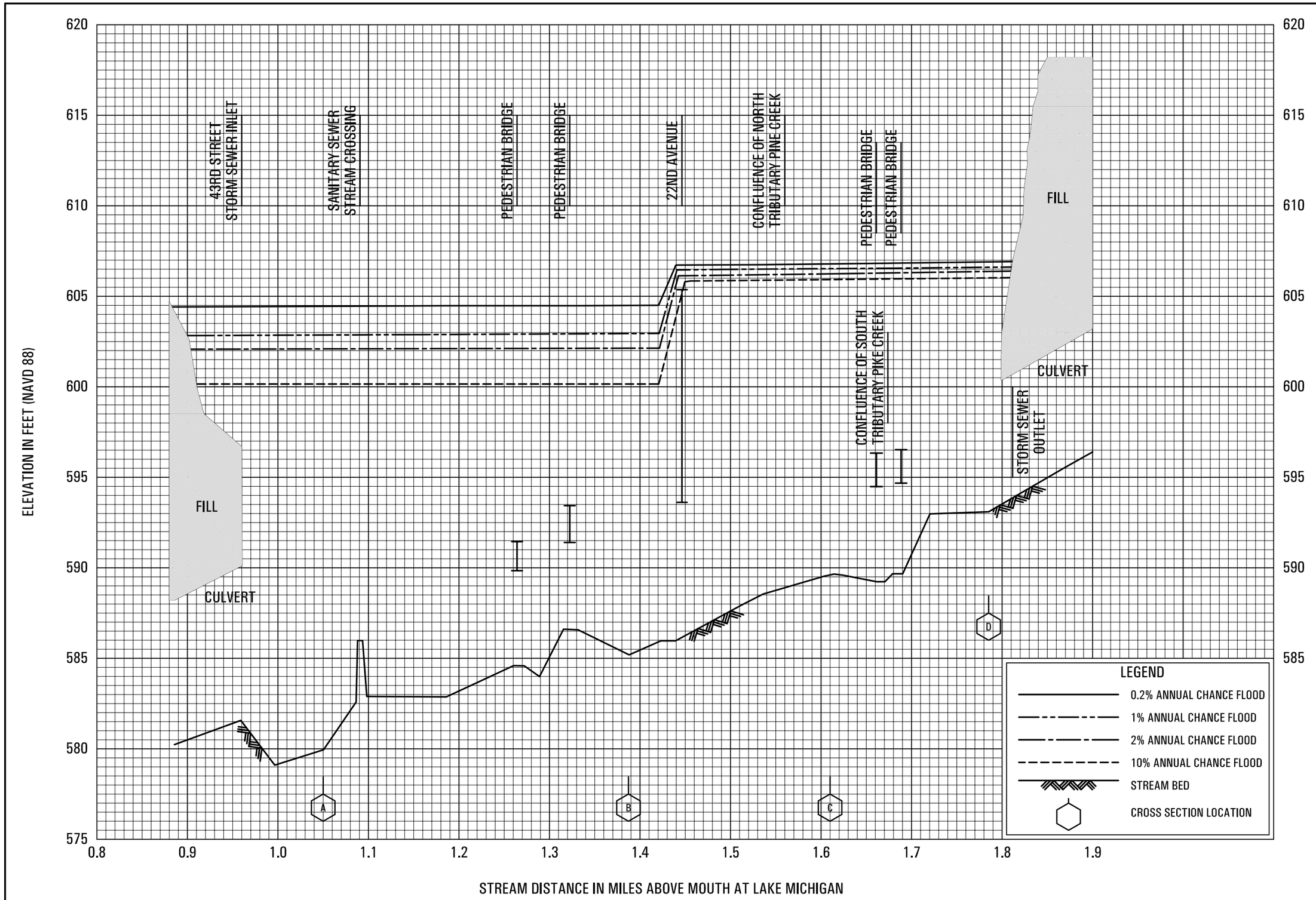
DUTCH GAP CANAL

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

24P



FLOOD PROFILES

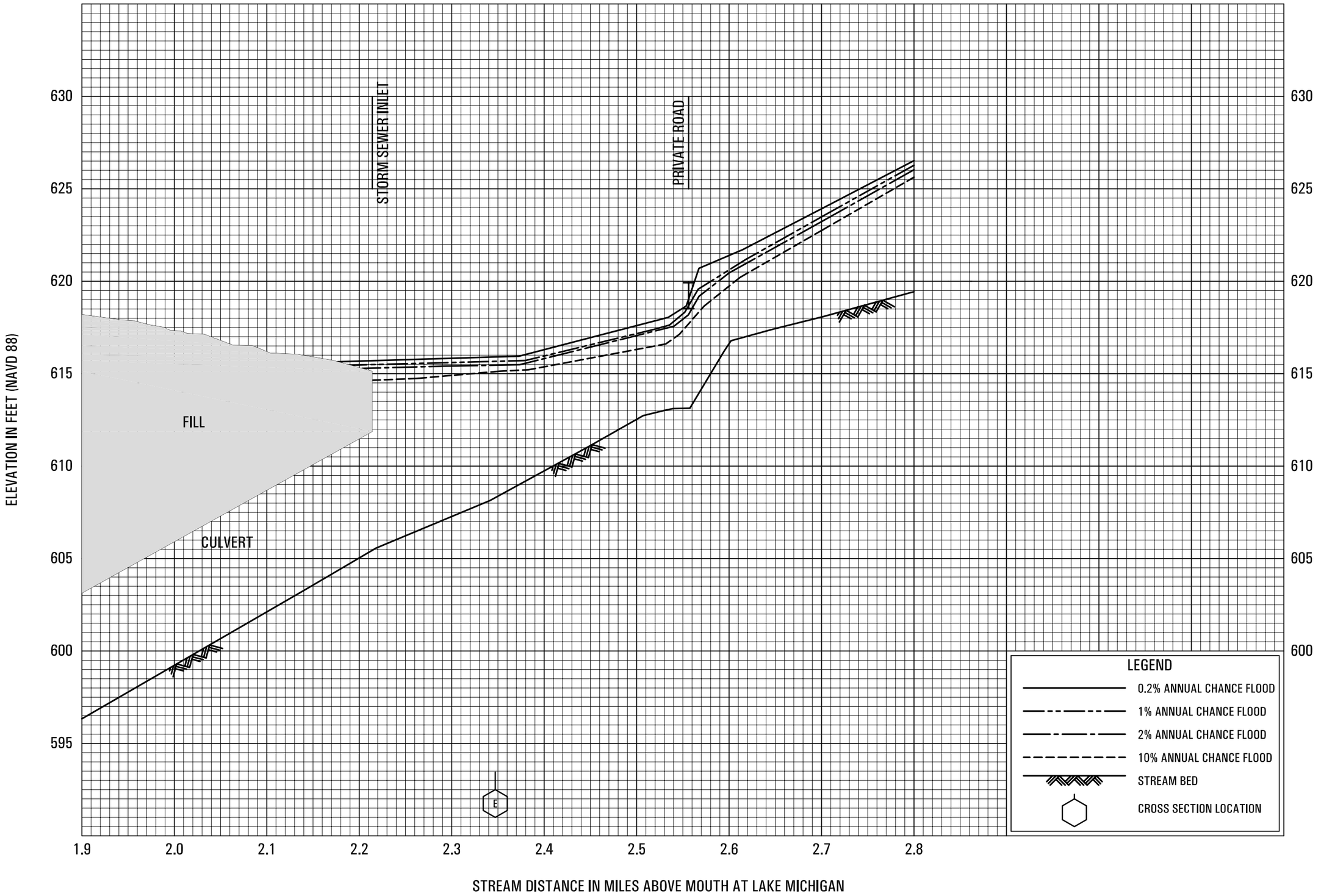
EAST BRANCH PIKE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

25P



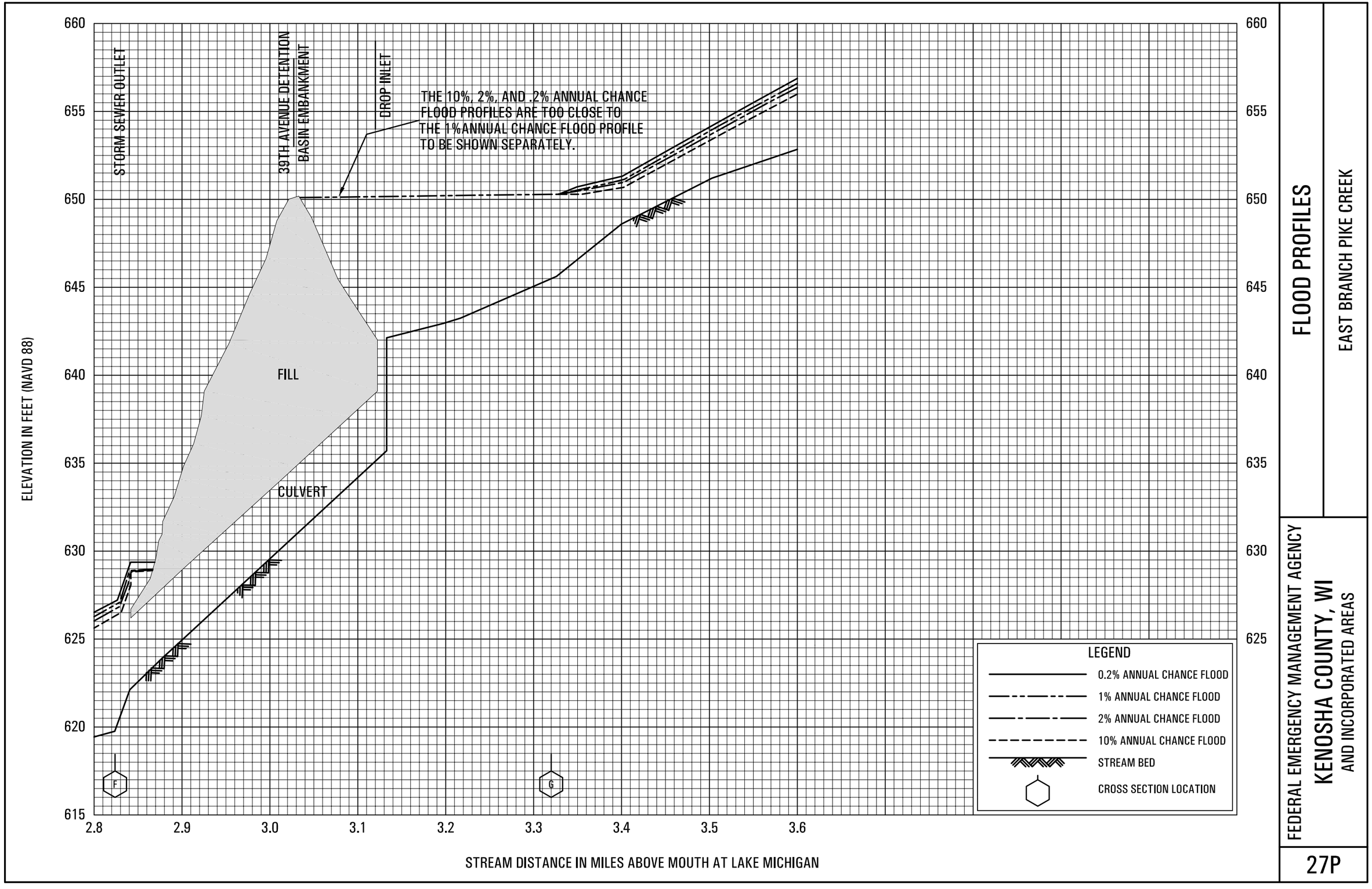
FLOOD PROFILES

EAST BRANCH PIKE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS



FLOOD PROFILES

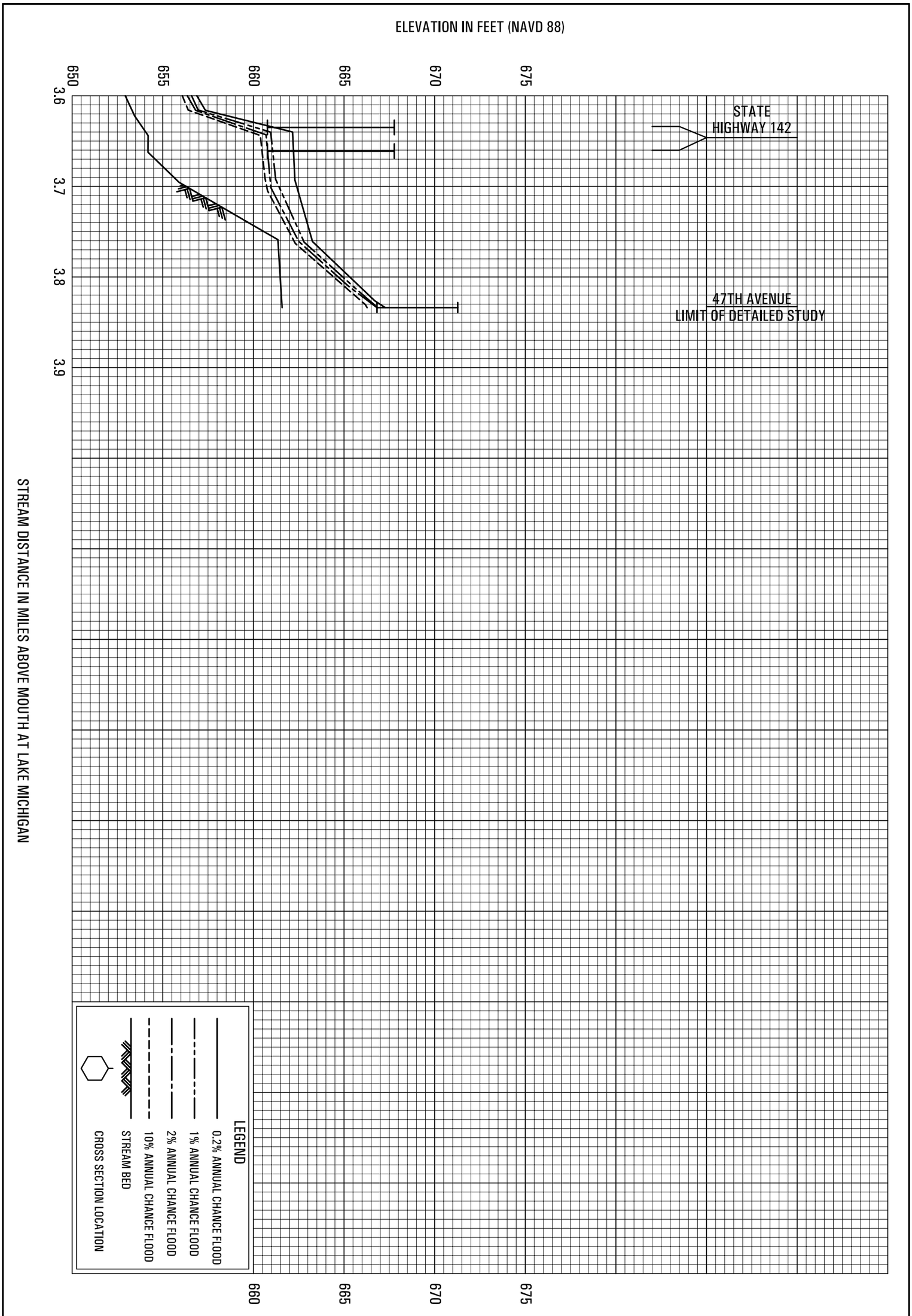
EAST BRANCH PIKE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

27P



28P

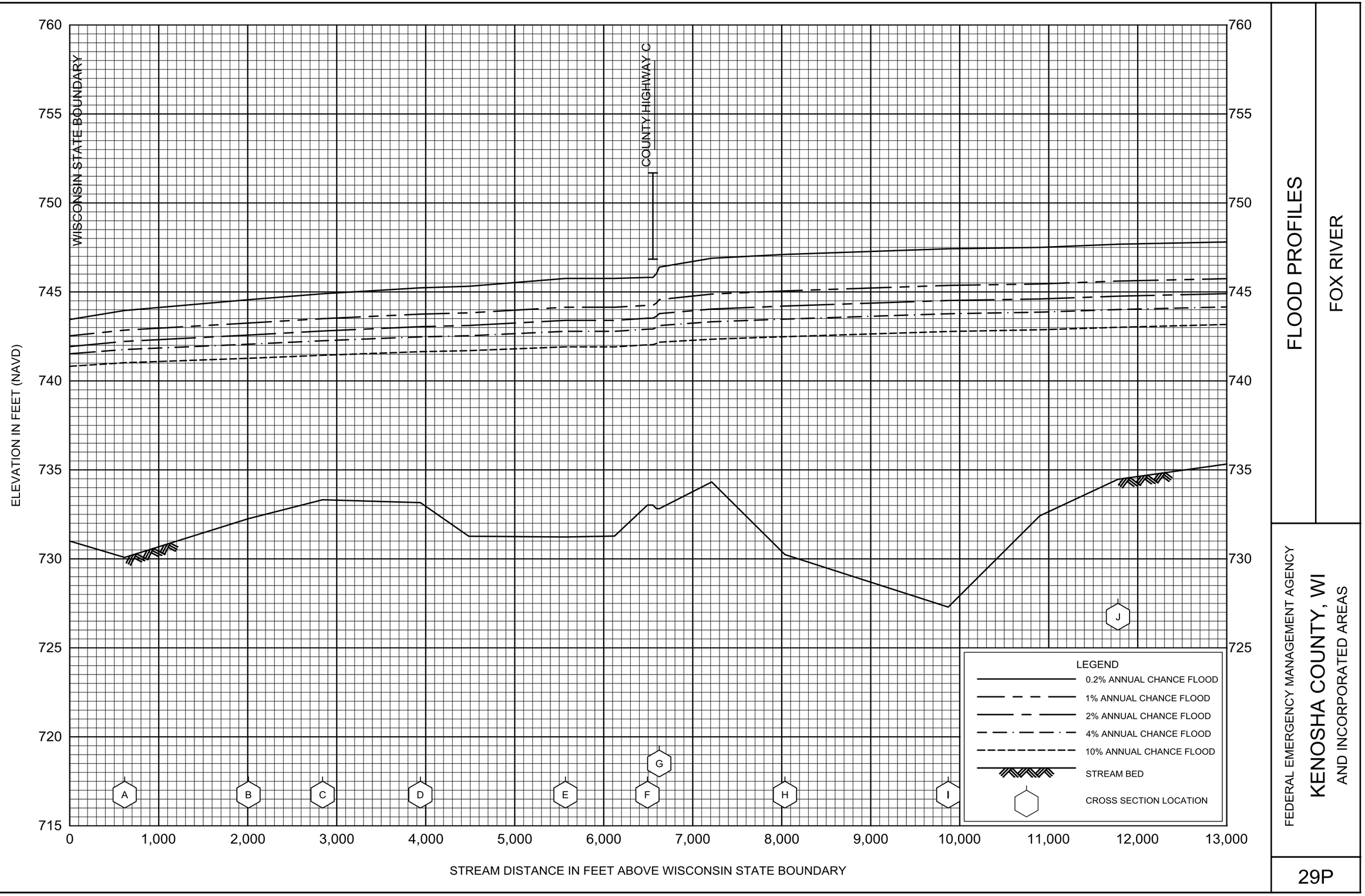
FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

FLOOD PROFILES

EAST BRANCH PIKE CREEK



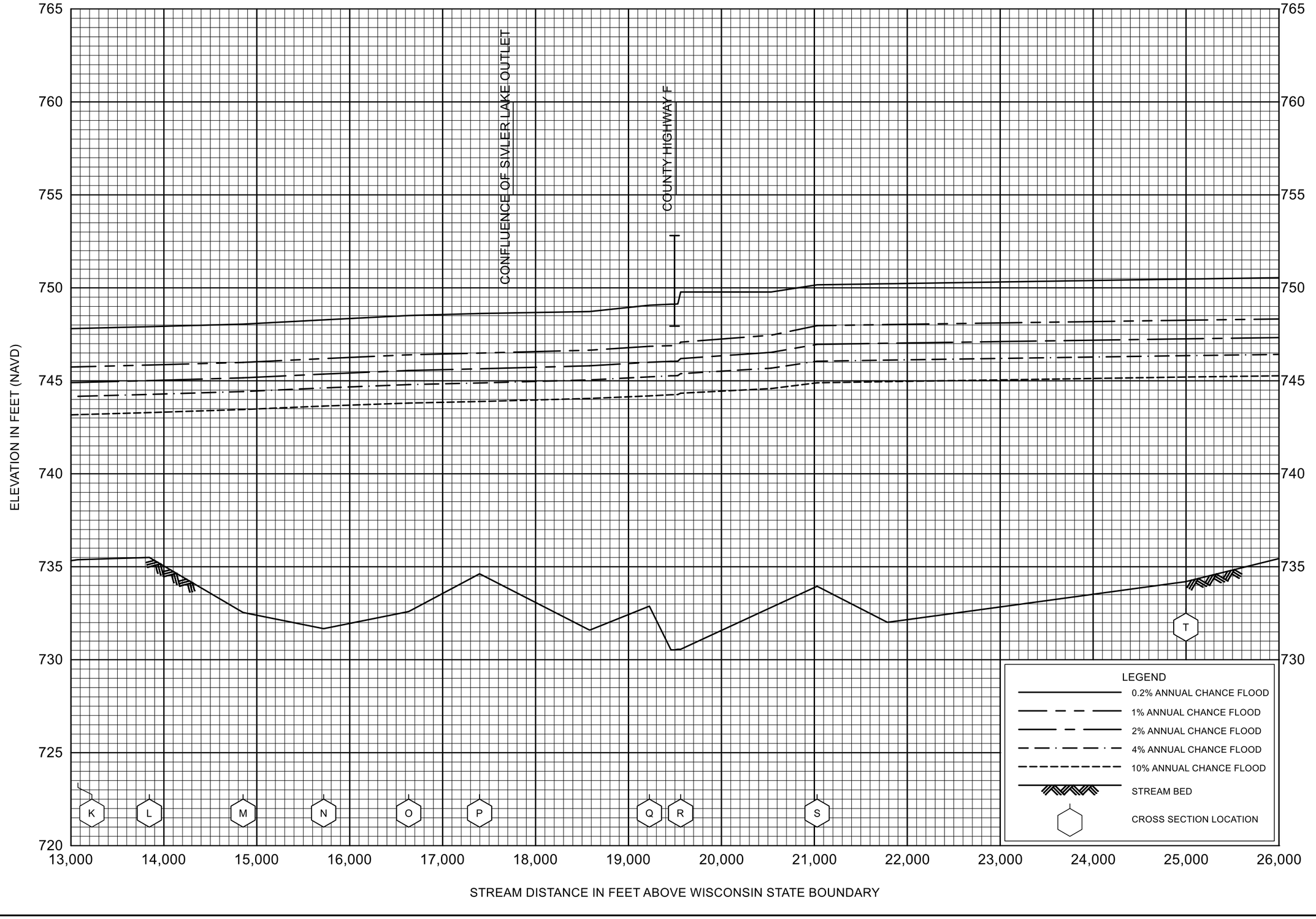
FLOOD PROFILES

FOX RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS



FLOOD PROFILES

FOX RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

30P

VILLAGE OF SILVER LAKE

ELEVATION IN FEET (NAVD)

765
760
755
750
745
740
735
730
725
720

26,000 27,000 28,000 29,000 30,000 31,000 32,000 33,000 34,000 35,000 36,000 37,000 38,000 39,000

STREAM DISTANCE IN FEET ABOVE WISCONSIN STATE BOUNDARY

U V W X Y

LEGEND

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

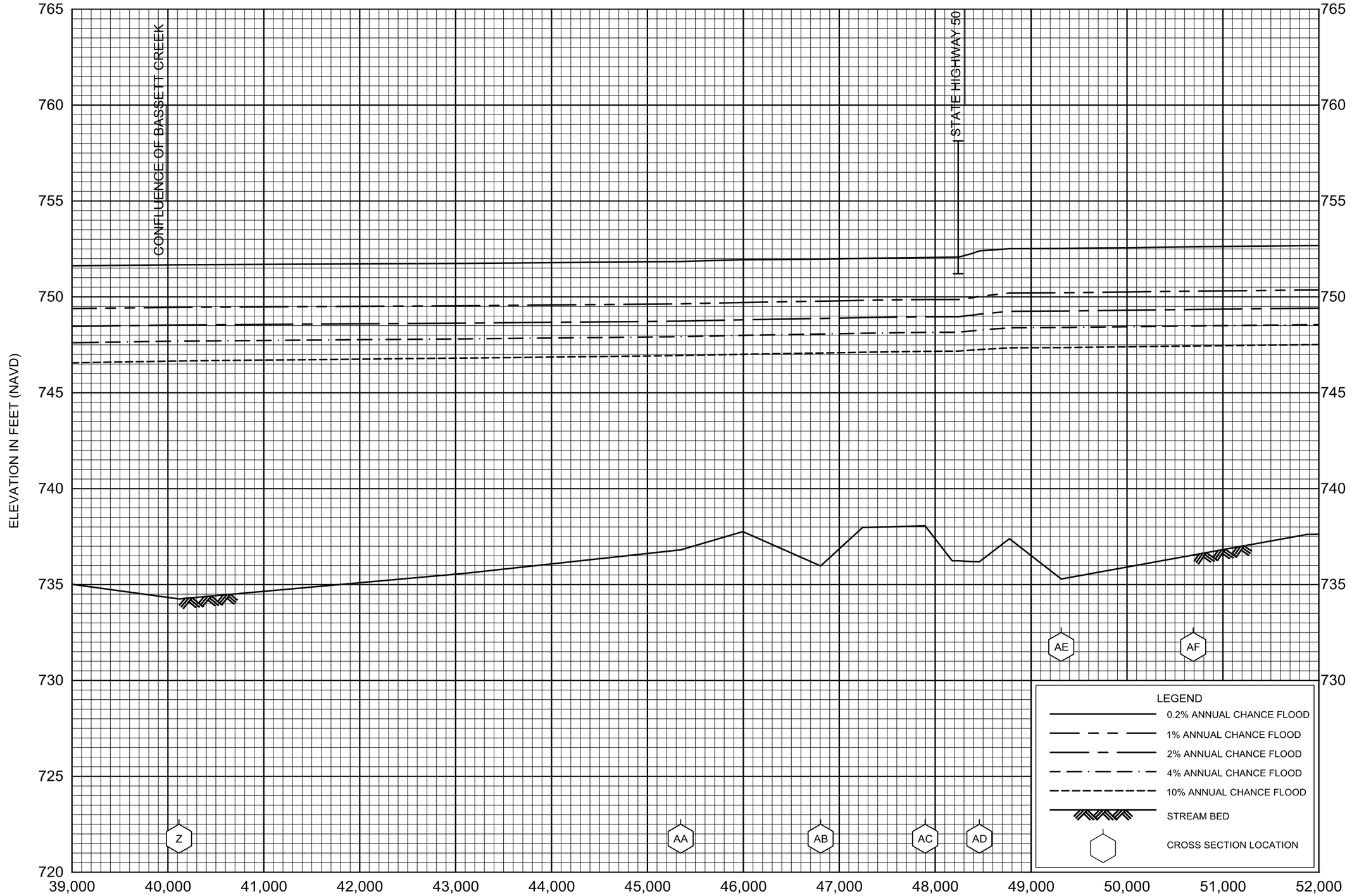
FLOOD PROFILES

FOX RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS



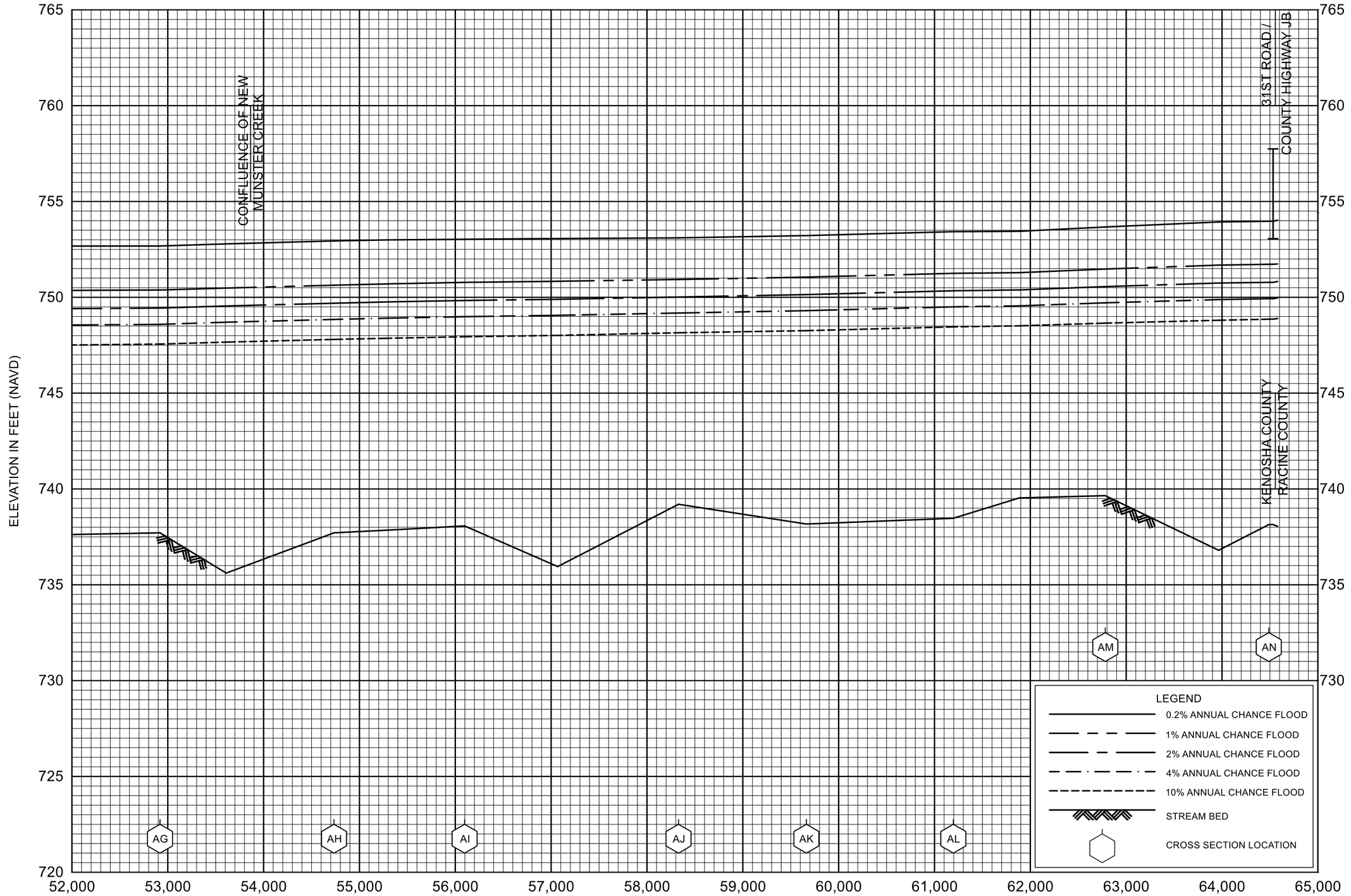
FLOOD PROFILES

FOX RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI
AND INCORPORATED AREAS

32P



FLOOD PROFILES

FOX RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

KENOSHA COUNTY, WI

AND INCORPORATED AREAS

33P