

FLOOD INSURANCE STUDY

VOLUME 2 OF 4



WAYNE COUNTY, MICHIGAN (ALL JURISDICTIONS)

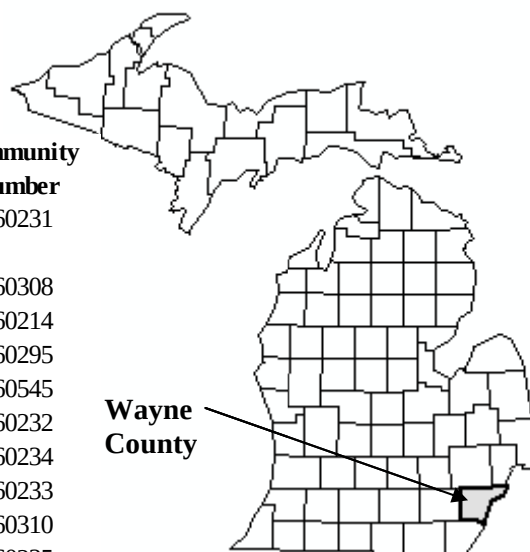
Community Name **Community Number**

Allen Park, City of 260217
 Belleville, City of 260544
 Brownstown, Charter Township of 260218
 Canton, Township of 260219
 Dearborn, City of 260220
 Dearborn Heights, City of 260221
 Detroit, City of 260222
 Ecorse, City of 260223
 Flat Rock, City of 260224
 * Garden City, City of 260225
 Gibraltar, City of 260226
 Grosse Ile, Township of 260227
 Grosse Pointe, City of 260228
 Grosse Pointe Farms, City of 260229
 Grosse Pointe Park, City of 260230
 Grosse Pointe Shores, A Michigan City, Village of (Macomb and Wayne Counties) 260250

Community Name

* Grosse Pointe Woods, City of 260231
 * Hamtramck, City of 260308
 * Harper Woods, City of 260214
 * Highland Park, City of 260295
 Huron, Township of 260545
 Inkster, City of 260232
 Lincoln Park, City of 260234
 Livonia, City of 260233
 Melvindale, City of 260310
 Northville, City of 260235
 (Oakland and Wayne Counties)
 Northville, Township of 260669
 Plymouth, Charter Township of 260237
 Plymouth, City of 260236
 Redford, Township of 260238
 River Rouge, City of 260239
 Riverview, City of 260240
 Rockwood, City of 260241
 Romulus, City of 260381
 Southgate, City of 260242
 Sumpter, Township of 260243

Community Number



Wayne County

Community

Community Name **Number**
 Taylor, City of 260728
 Trenton, City of 260244
 Van Buren, Township of 260546
 Wayne, City of 260245
 Westland, City of 260739
 Woodhaven, City of 260730
 Wyandotte, City of 260246

* No Special Flood Hazard Areas identified

EFFECTIVE:
February 2, 2012



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
26163CV002A

NOTICE TO
FLOOD INSURANCE STUDY USERS

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

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

Selected Flood Insurance Rate Map panels for this community contain information that was previously shown separately on the corresponding Flood Boundary and Floodway Map panels (e.g., floodways, cross sections). In addition, former flood hazard zone designations have been changed as follows:

<u>Old Zones</u>	<u>New Zone</u>
A1 through A30	AE
B	X
C	X

Initial Countywide FIS Effective Date: February 2, 2012

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PUBLISHED SEPARATELY

Flood Insurance Rate Map Index
Flood Insurance Rate Maps

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
GREEN MEADOWS DRAIN									
A	50	281	419	0.5		683.8	683.8	683.9	0.1
B	1,319	19	53	4.0		684.4	684.4	684.5	0.1
C	2,911	26	78	2.7		686.3	686.3	686.4	0.1

¹ Feet above confluence with Tonquish Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

GREEN MEADOWS DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
HAND DRAIN									
A	0	103	131	2.0		608.3	608.3	608.3	0.0
B	350	77	50	3.0		608.6	608.6	608.7	0.1
C	1,800	15	44	3.4		613.0	613.0	613.0	0.0
D	2,520	23	77	2.0		613.5	613.5	613.5	0.0
E	3,100	102	221	0.7		615.4	615.4	615.4	0.0
F	3,700	93	182	0.8		615.4	615.4	615.4	0.0
G	4,550	81	196	0.8		615.6	615.6	615.6	0.0

¹ Feet above confluence with Silver Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

HAND DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
HEAD DRAIN									
A	2,440	176	261	0.6		672.4	672.4	672.5	0.1
B	3,542	128	152	1.1		672.8	672.8	672.9	0.1
C	5,251	33	78	2.1		674.2	674.2	674.3	0.1
D	6,083	32	72	2.2		675.2	675.2	675.3	0.1
E	7,941	27	74	2.2		680.1	680.1	680.1	0.0
F	9,452	20	66	2.4		681.8	681.8	681.8	0.0
G	11,291	21	68	2.4		683.9	683.9	683.9	0.0

¹ Feet above confluence with Griggs Drain

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

HEAD DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
HUNTINGTON CREEK									
A	0	41	113	7.6		577.3	574.4 ²	574.4	0.0
B	1,002	67	353	2.4		577.3	576.5 ²	576.5	0.0
C	1,302	30	192	4.5		577.3	576.5 ²	576.5	0.0
D	1,436	65	334	2.6		577.3	577.1 ²	577.1	0.0
E	2,121	61	318	2.7		577.5	577.5	577.5	0.0
F	2,434	168	249	3.5		577.7	577.7	577.7	0.0
G	2,550	219	385	2.2		578.0	578.0	578.0	0.0
H	2,582	305	574	1.5		578.9	578.9	578.9	0.0
I	2,962	659	1,253	0.9		579.0	579.0	579.0	0.0
J	3,863	660	2,352	0.5		583.2	583.2	583.2	0.0

¹ Feet above confluence with Trenton Channel

² Elevation computed without consideration of backwater effects from Trenton Channel

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

HUNTINGTON CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
HURON RIVER									
A	2.947	450/94 ²	3,381	3.1		578.3	578.0 ³	578.0	0.0
B	3.515	951/101 ²	7,428	1.4		579.3	579.3	579.3	0.0
C	3.894	383/91 ²	2,874	3.7		579.6	579.6	579.6	0.0
D	4.462	593/90 ²	4,359	2.4		580.6	580.6	580.6	0.0
E	4.803	379/127 ²	3,107	3.4		581.0	581.0	581.0	0.0
F	4.955	359/73 ²	2,929	3.6		581.3	581.3	581.3	0.0
G	5.017	146/77 ²	2,098	5.1		581.9	581.9	581.9	0.0
H	5.031	139	1,955	5.4		582.4	582.4	582.4	0.0
I	5.221	950/350 ²	8,310	1.3		583.4	583.4	583.4	0.0
J	5.448	181/155 ²	2,253	4.7		583.6	583.6	583.6	0.0
K	5.483	132/85 ²	2,209	4.8		584.5	584.5	584.5	0.0
L	5.502	193/90 ²	2,824	3.8		585.0	585.0	585.0	0.0
M	5.616	687/90 ²	7,249	1.5		585.2	585.2	585.2	0.0
N	5.995	350/80 ²	3,829	2.8		585.4	585.4	585.4	0.0
O	6.024	169/75 ²	2,286	4.6		585.4	585.4	585.4	0.0
P	6.100	900/343 ²	8,468	1.3		585.8	585.8	585.8	0.0
Q	6.403	952/45 ²	8,370	1.3		586.0	586.0	586.0	0.0
R	6.782	855/570 ²	7,080	1.5		586.3	586.3	586.3	0.0
S	7.388	1,470/1,345 ²	11,843	0.9		586.7	586.7	586.7	0.0
T	7.805	120/70 ²	1,992	5.2		587.2	587.2	587.3	0.1
U	8.051	1,648/1,115 ²	10,518	1.0		588.0	588.0	588.1	0.1
V	8.543	1,422/90 ²	8,741	1.2		588.4	588.4	588.5	0.1
W	8.884	1,222/1,130 ²	8,238	1.3		588.9	588.9	589.0	0.1
X	9.263	1,270/585 ²	10,088	1.0		589.4	589.3	589.5	0.1
Y	9.661	1,481/395 ²	10,216	1.0		589.7	589.7	589.8	0.1

¹ Miles above mouth at Lake Erie

² Width/Width within Wayne County limits

³ Elevation computed without consideration of backwater effects from Lake Erie

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

**WAYNE COUNTY, MI
(ALL JURISDICTIONS)**

FLOODWAY DATA

HURON RIVER

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
HURON RIVER (CONTINUED)									
Z	10.153	712/152 ²	3,953	2.6		590.3	590.3	590.4	0.1
AA	10.702	685/424 ²	6,188	1.7		591.4	591.4	591.5	0.1
AB	10.945	149	2,088	5.0		591.6	591.6	591.7	0.1
AC	10.964	99	1,524	6.8		591.6	591.6	591.7	0.1
AD	10.976	99	1,883	5.5		595.2	595.2	595.3	0.1
AE	11.254	1,122	4,604	2.3		595.9	595.9	596.0	0.1
AF	11.257	1,123	4,415	2.4		595.9	595.9	596.0	0.1
AG	11.425	660	3,731	2.8		596.3	596.3	596.4	0.1
AH	11.444	605	7,794	1.3		596.8	596.8	596.9	0.1
AI	11.453	605	7,832	1.3		596.8	596.8	596.9	0.1
AJ	11.453	605	8,468	1.2		597.1	597.1	597.2	0.1
AK	11.936	1,250	13,319	0.8		597.1	597.1	597.2	0.1

¹ Miles above mouth at Lake Erie

² Width/Width within Wayne County limits

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

HURON RIVER

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
JEFFERSON AVENUE DIVERSION									
A	375	180	80	2.5		577.3	574.4 ²	574.4	0.0
B	475	100	141	1.4		577.3	575.9 ²	575.9	0.0
C	1,095	100	135	1.5		578.9	578.9	578.9	0.0

¹ Feet above confluence with Trenton Channel

² Elevation computed without consideration of backwater effects from Trenton Channel

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

JEFFERSON AVENUE DIVERSION

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
JOHNSON DRAIN									
A	2,495	170	300	3.8	29	787.9	787.9	788.0	0.1
B	3,875	73	200	5.7		796.3	796.3	796.4	0.1
C	5,042	45	169	6.8		803.2	803.2	803.3	0.1
D	7,717	400	1,186	1.0		810.7	810.7	810.8	0.1
E	10,656	195	412	2.6		816.0	816.0	816.1	0.1
F	11,277	100	250	4.2		819.1	819.1	819.1	0.0
G	14,011	166	306	3.5		826.0	826.0	826.1	0.1
H	16,317	199	436	2.0	109	828.8	828.8	828.9	0.1
I	18,017	256	1,108	0.8		829.4	829.4	829.5	0.1
J	19,417	316	435	2.0		830.5	830.5	830.6	0.1
K	20,454	126	225	3.8		833.1	833.1	833.2	0.1
L	22,049	140	480	1.8		835.1	835.1	835.2	0.1
M	23,440	456	1,101	0.8		836.7	836.7	836.8	0.1
N	24,440	59	239	3.6		837.2	837.2	837.3	0.1
O	25,440	63	281	3.0		839.0	839.0	839.0	0.0
P	26,690	68	366	2.3		840.2	840.2	840.2	0.0
Q	27,940	39	214	4.0		841.0	841.0	841.0	0.0
R	28,540	49	203	4.2		841.8	841.8	841.8	0.0

¹ Feet above confluence with Middle River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

JOHNSON DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
JOHNSON DRAIN TRIBUTARY									
A	150	192	157	2.3		810.7	809.2 ²	809.3	0.1
B	1,730	138	126	2.9		832.1	832.1	832.1	0.0
C	2,630	31	67	5.5		838.4	838.4	838.4	0.0
D	4,100	34	88	4.2		853.0	853.0	853.0	0.0
E	5,050	155	170	1.3		856.8	856.8	856.9	0.1

¹ Feet above confluence with Johnson Drain

² Elevation computed without consideration of backwater effects from Johnson Drain

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

JOHNSON DRAIN TRIBUTARY

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
KING DRAIN									
A	165	16	33	3.4		632.7	630.4 ²	630.5	0.1
B	1,185	23	38	2.9		634.0	634.0	634.0	0.0
C	2,508	155	150	0.7		635.4	635.4	635.5	0.1
D	3,215	108	59	1.9		636.5	636.5	636.6	0.1

¹ Feet above confluence with North Branch Swan Creek

² Elevation computed without consideration of backwater effects from North Branch Swan Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

**WAYNE COUNTY, MI
(ALL JURISDICTIONS)**

FLOODWAY DATA

KING DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
LAMKE DRAIN									
A	286	647	1273	0.1		647.2	647.2	647.3	0.1
B	2,093	38	49	2.1		647.7	647.7	647.8	0.1
C	4,012	22	43	2.3		651.0	651.0	651.0	0.0

¹ Feet above confluence with Bradshaw Drain

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

LAMKE DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
LORDS DRAIN									
A	1,558	45	211	1.8		630.2	630.2	630.2	0.0
B	2,957	401	999	0.4		630.4	630.4	630.4	0.0
C	7,421	143	264	0.6		631.7	631.7	631.7	0.0
D	8,335	112	127	1.2		633.2	633.2	633.2	0.0
E	10,035	30	145	1.0		636.9	636.9	637.0	0.1
F	11,854	27	83	1.8		637.0	637.0	637.1	0.1
G	13,251	183	206	0.7		637.7	637.7	637.8	0.1
H	14,703	140	86	1.8		638.6	638.6	638.7	0.1

¹ Feet above confluence with Desbrow Drain

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

LORDS DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
LOWER RIVER ROUGE									
A	76,022	249	1,821	1.7		653.7	653.7	653.8	0.1
B	77,313	1,031	4,509	0.5		654.1	654.1	654.2	0.1
C	78,914	452	1,841	1.2		654.4	654.4	654.5	0.1
D	79,284	143	804	2.7		654.9	654.9	655.0	0.1
E	81,274	139	736	3.0		656.5	656.5	656.6	0.1
F	82,184	54	452	4.9		657.6	657.6	657.6	0.0
G	83,769	142	833	2.6		659.8	659.8	659.8	0.0
H	85,685	408	1,523	1.4		661.2	661.2	661.3	0.1
I	86,942	564	1,748	1.3		662.4	662.4	662.5	0.1
J	89,119	334	1,237	1.5		664.0	664.0	664.1	0.1
K	92,049	422	1,064	1.8		666.1	666.1	666.2	0.1
L	94,609	705	1,280	1.3		668.6	668.6	668.7	0.1
M	95,819	201	520	3.1		669.8	669.8	669.9	0.1
N	97,404	566	1,607	0.9		672.4	672.4	672.5	0.1
O	100,989	455	969	1.5		674.6	674.6	674.7	0.1
P	104,133	450	962	1.5		677.6	677.6	677.7	0.1
Q	109,545	388	1,011	1.4		682.6	682.6	682.7	0.1
R	112,127	255	456	1.8		686.1	686.1	686.2	0.1
S	113,535	206	440	1.8		688.1	688.1	688.1	0.0
T	115,036	248	545	1.5		690.0	690.0	690.1	0.1
U	118,117	170	301	2.7	52	693.9	693.9	694.0	0.1
V	120,918	46	231	3.5		698.3	698.3	698.4	0.1
W	121,750	75	227	3.5		699.3	699.3	699.4	0.1
X	123,693	54	216	3.7		703.6	703.6	703.6	0.0

¹ Feet above confluence with River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

LOWER RIVER ROUGE

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
LOWER RIVER ROUGE (CONTINUED)									
Y	126,626	158	349	2.3		710.1	710.1	710.2	0.1
Z	128,264	44	232	3.5		712.9	712.9	713.0	0.1

¹ Feet above confluence with River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

LOWER RIVER ROUGE

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
MARSH CREEK									
A	230	350	687	1.6		580.6	580.6	580.6	0.0
B	330	305	1,131	1.0		580.7	580.7	580.7	0.0
C	610	160	626	1.8		580.8	580.8	580.8	0.0
D	695	28	212	5.2		581.8	581.8	581.8	0.0
E	731	69	395	3.1		582.1	582.1	582.1	0.0
F	1,331	330	879	1.4		583.7	583.7	583.7	0.0
G	1,407	355	873	1.4		583.9	583.9	583.9	0.0
H	1,475	45	405	3.0		584.7	584.7	584.8	0.1
I	1,625	35	338	3.6		584.8	584.8	584.9	0.1
J	1,676	35	364	3.3		585.0	585.0	585.1	0.1
K	2,804	697	4,057	0.3		585.3	585.3	585.4	0.1
L	3,708	320	623	1.9		585.3	585.3	585.4	0.1
M	6,496	493	2,053	0.7		586.0	586.0	586.0	0.0
N	8,976	128	544	2.5		586.5	586.5	586.5	0.0
O	9,800	151	765	1.8		587.8	587.8	587.8	0.0
P	11,255	395	2,036	0.7		588.5	588.5	588.6	0.1
Q	13,124	475	1,792	0.8		588.7	588.7	588.7	0.0
R	14,874	60	446	3.0		589.0	589.0	589.0	0.0
S	16,524	528	2,121	0.6		590.7	590.7	590.8	0.1
T	17,874	565	1,927	0.7		590.8	590.8	590.9	0.1
U	18,874	316	1,107	1.2		591.0	591.0	591.1	0.1
V	20,074	96	398	3.4		591.5	591.5	591.6	0.1
BLAKELY DRAIN									
W	20,641	357	912	1.5		592.5	592.5	592.5	0.0

¹ Feet above confluence with Brownstown Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

MARSH CREEK/BLAKELY DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BLAKELY DRAIN (CONTINUED)									
X	22,072	282	1,026	1.3		593.1	593.1	593.1	0.0
Y	23,372	461	1,555	0.8		593.7	593.7	593.8	0.1
Z	24,872	417	1,161	1.2		594.4	594.4	594.5	0.1
AA	25,439	355	1,134	1.2		594.8	594.8	594.9	0.1
AB	25,823	461	898	1.5		595.0	595.0	595.0	0.0
AC	26,301	234	651	2.1		595.4	595.4	595.4	0.0
AD	26,876	300	622	2.2		595.8	595.8	595.8	0.0
AE	26,914	300	735	1.9		596.9	596.9	596.9	0.0
AF	27,398	287	708	1.9		597.3	597.3	597.3	0.0
AG	27,513	319	962	1.4		598.0	598.0	598.0	0.0
AH	28,123	462	2,118	0.6		598.3	598.3	598.3	0.0
AI	28,627	233	443	3.1		598.3	598.3	598.3	0.0
AJ	28,651	258	599	2.3		598.9	598.9	598.9	0.0
AK	29,573	240	1,199	1.1		599.3	599.3	599.3	0.0
AL	30,645	22	228	4.2		599.3	599.3	599.4	0.1
AM	30,689	22	223	4.3		600.4	600.4	600.5	0.1
AN	31,549	364	1,359	1.0		600.8	600.8	600.9	0.1
AO	31,647	364	763	1.8		601.1	601.1	601.2	0.1
AP	33,373	420	2,136	0.6		601.4	601.4	601.5	0.1
AQ	34,373	362	1,738	0.8		601.6	601.6	601.7	0.1
AR	35,313	30	298	4.6		601.7	601.7	601.8	0.1
AS	35,377	30	299	4.5		601.7	601.7	601.8	0.1
AT	35,504	30	287	4.7		601.9	601.9	602.0	0.1
AU	35,590	30	290	4.7		602.0	602.0	602.1	0.1

¹ Feet above confluence with Brownstown Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

BLAKELY DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BLAKELY DRAIN (CONTINUED)									
AV	36,806	360	1,574	0.9		602.6	602.6	602.7	0.1
AW	36,846	360	868	1.6		602.6	602.6	602.7	0.1
AX	37,201	510	898	1.5		602.6	602.6	602.7	0.1
AY	38,433	385	1,453	0.9		603.1	603.1	603.2	0.1
AZ	38,546	398	1,381	1.0		603.1	603.1	603.2	0.1
BA	39,463	192	272	5.0		603.1	603.1	603.2	0.1
BB	39,499	200	593	2.3		604.4	604.4	604.4	0.0
BC	41,140	400	1,125	1.2		605.4	605.4	605.5	0.1
BD	41,396	450	1,729	0.8		605.5	605.5	605.6	0.1
BE	42,342	195	778	1.7		605.7	605.7	605.8	0.1
BF	42,714	44	257	5.3		605.8	605.8	605.9	0.1
BG	42,728	44	258	5.3		605.9	605.9	606.0	0.1
BH	43,277	57	296	4.6		606.7	606.7	606.8	0.1
BI	43,526	175	692	2.0		608.1	608.1	608.2	0.1
BJ	44,476	210	1,159	1.2		610.3	610.3	610.4	0.1
BK	45,396	565	2,206	0.6		610.4	610.4	610.5	0.1
BL	46,646	470	1,979	0.7		610.5	610.5	610.6	0.1
BM	46,996	497	2,082	0.7		610.6	610.6	610.7	0.1
BN	47,246	426	1,462	0.9		610.6	610.6	610.7	0.1
BO	48,056	604	2,053	0.7		610.9	610.9	611.0	0.1
BP	48,416	395	960	1.4		610.9	610.9	611.0	0.1
BQ	49,096	431	1,103	1.2		611.7	611.7	611.8	0.1
BR	50,046	85	428	3.2		612.1	612.1	612.2	0.1
BS	51,220	890	2,328	6.0		613.5	613.5	613.5	0.0

¹ Feet above confluence with Brownstown Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

BLAKELY DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BLAKELY DRAIN (CONTINUED)									
BT	51,880	537	1,290	1.1		613.6	613.6	613.6	0.0
BU	52,420	508	1,156	1.2		613.8	613.8	613.8	0.0
BV	53,820	542	1,958	0.7	258	614.3	614.3	614.3	0.0
BW	54,320	540	1,317	1.0		614.4	614.4	614.4	0.0

¹ Feet above confluence with Brownstown Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

BLAKELY DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
McCLAUGHREY DRAIN									
A	6,074	110	264	1.6		662.4	662.4	662.5	0.1
B	10,132	75	319	1.4		663.4	663.4	663.5	0.1
C	13,098	111	227	1.9		664.1	664.1	664.2	0.1
D	13,246	16	109	4.0		664.7	664.7	664.7	0.0
E	13,892	290	262	1.6		665.1	665.1	665.2	0.1
F	15,236	104	200	2.2		665.9	665.9	666.0	0.1
G	15,368	22	123	3.0		666.0	666.0	666.1	0.1
H	18,361	256	261	1.4		667.2	667.2	667.3	0.1
I	18,725	309	529	0.7		668.7	668.7	668.7	0.0
J	19,067	490	993	0.3		668.7	668.7	668.8	0.1
K	19,557	237	476	0.7		668.7	668.7	668.8	0.1
L	20,126	301	451	0.8		668.8	668.8	668.9	0.1
M	21,045	397	1,212	0.3		669.0	669.0	669.0	0.0
N	21,544	93	328	1.1		669.0	669.0	669.1	0.1
O	21,952	262	800	0.4		669.1	669.1	669.2	0.1
P	22,385	398	502	0.6		669.1	669.1	669.2	0.1

¹ Feet above confluence with Lower River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

McCLAUGHREY DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
MIDDLE RIVER ROUGE									
A	800	193	890	4.6		597.2	589.5 ²	589.6	0.1
B	1,100	89	829	4.9		597.2	590.3 ²	590.4	0.1
C	1,166	89	837	4.9		597.2	590.4 ²	590.5	0.1
D	3,398	673	2,512	1.6		597.2	592.7 ²	592.8	0.1
E	4,898	481	2,318	1.8		597.2	593.8 ²	593.9	0.1
F	6,466	84	625	6.6		597.2	595.0 ²	595.1	0.1
G	6,548	84	733	5.6		597.2	596.2 ²	596.3	0.1
H	8,342	363	2,509	1.6		597.4	597.4	597.5	0.1
I	9,302	70	803	5.1		597.9	597.9	598.0	0.1
J	9,382	70	807	5.1		597.9	597.9	598.0	0.1
K	9,482	162	1,397	2.9		598.3	598.3	598.4	0.1
L	9,942	787	2,327	1.8	563	598.4	598.4	598.5	0.1
M	11,146	243	909	4.5		599.3	599.3	599.4	0.1
N	11,177	270	1,050	3.9	30	599.9	599.9	600.0	0.1
O	12,139	180	1,608	2.5		600.8	600.8	600.9	0.1
P	12,824	86	1,149	3.6		602.2	602.2	602.3	0.1
Q	12,982	88	1,219	3.4		602.6	602.6	602.7	0.1
R	14,702	719	4,475	0.9	140	603.4	603.4	603.5	0.1
S	16,095	629	3,646	1.1		603.7	603.7	603.8	0.1
T	19,058	504	2,949	1.4		604.6	604.6	604.7	0.1
U	19,725	374	1,308	3.1		604.6	604.6	604.7	0.1
V	20,588	99	897	4.6		606.0	606.0	606.1	0.1
W	20,758	86	716	5.7		606.3	606.3	606.4	0.1
X	21,958	665	2,823	1.5		607.6	607.6	607.7	0.1

¹ Feet above confluence with River Rouge

² Elevation computed without consideration of backwater effects from Rouge River

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

**WAYNE COUNTY, MI
(ALL JURISDICTIONS)**

FLOODWAY DATA

MIDDLE RIVER ROUGE

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
MIDDLE RIVER ROUGE (CONTINUED)									
Y	22,115	616	2,882	1.4		607.7	607.7	607.8	0.1
Z	22,358	563	2,298	1.8		607.8	607.8	607.9	0.1
AA	22,768	488	3,676	1.1		608.0	608.0	608.1	0.1
AB	23,233	506	2,625	1.6		608.1	608.1	608.2	0.1
AC	23,728	738	3,622	1.1		608.2	608.2	608.3	0.1
AD	25,468	220	1,174	3.5		608.8	608.8	608.9	0.1
AE	26,115	402	1,813	2.3		609.6	609.6	609.7	0.1
AF	26,715	515	1,699	2.4		609.9	609.9	610.0	0.1
AG	26,818	570	2,609	1.6		610.2	610.2	610.3	0.1
AH	30,515	320	1,528	2.7		612.5	612.5	612.6	0.1
AI	31,115	83	810	5.1		613.0	613.0	613.1	0.1
AJ	87,115	*	*	*		668.2	*	*	*
AK	89,505	*	*	*		669.4	*	*	*
AL	96,275	*	*	*		685.6	*	*	*
AM	100,885	*	*	*		709.1	*	*	*
AN	104,415	*	*	*		713.7	*	*	*
AO	106,115	447	4,678	0.9		729.9	729.9	730.0	0.1
AP	107,960	46	312	13.4		730.0	730.0	730.1	0.1
AQ	108,050	46	445	9.4		733.2	733.2	733.2	0.0
AR	108,335	408	560	7.5		734.4	734.4	734.4	0.0
AS	108,400	410	2,553	1.6		736.2	736.2	736.2	0.0
AT	109,536	440	2,229	1.9		736.5	736.5	736.5	0.0
AU	109,541	439	2,229	1.9		736.5	736.5	736.5	0.0

¹ Feet above confluence with River Rouge

* Data not computed

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

MIDDLE RIVER ROUGE

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
MIDDLE RIVER ROUGE (CONTINUED)									
AV	109,966	258	1,023	4.1		736.6	736.6	736.6	0.0
AW	110,026	268	1,261	3.3		736.9	736.9	736.9	0.0
AX	111,816	234	691	6.1		740.2	740.2	740.3	0.1
AY	111,876	293	850	4.9		740.5	740.5	740.6	0.1
AZ	113,527	50	492	8.5		744.9	744.9	745.0	0.1
BA	113,577	50	511	8.2		745.2	745.2	745.3	0.1
BB	114,778	60	641	6.5		748.4	748.4	748.5	0.1
BC	114,878	48	444	9.4		748.4	748.4	748.5	0.1
BD	114,929	62	398	10.5		749.2	749.2	749.3	0.1
BE	116,125	660	5,351	0.7		758.5	758.5	758.5	0.0
BF	117,655	540	3,073	1.3		758.5	758.5	758.5	0.0
BG	118,195	80	460	8.6		758.6	758.6	758.6	0.0
BH	118,235	100	643	6.1		759.7	759.7	759.7	0.0
BI	120,136	48	486	8.1		764.9	764.9	764.9	0.0
BJ	120,176	48	495	8.0		765.0	765.0	765.1	0.1
BK	120,538	90	734	5.4		766.3	766.3	766.4	0.1
BL	120,598	90	743	5.3		766.4	766.4	766.5	0.1
BM	122,099	624	2,834	1.4		767.5	767.5	767.6	0.1
BN	122,121	623	2,841	1.4		767.5	767.5	767.6	0.1
BO	123,193	38	426	8.6		769.2	769.2	769.2	0.0
BP	123,243	50	439	8.4		769.3	769.3	769.4	0.1
BQ	123,278	40	752	2.5		770.4	770.4	770.5	0.1
BR	124,328	40	457	4.0		779.1	779.1	779.2	0.1

¹ Feet above confluence with River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

MIDDLE RIVER ROUGE

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
MIDDLE RIVER ROUGE (CONTINUED)									
BS	125,128	21	131	14.2		781.8	781.8	781.8	0.0
BT	125,228	21	162	11.4		783.3	783.3	783.3	0.0
BU	125,578	83	695	2.7		786.1	786.1	786.1	0.0
BV	125,628	59	691	2.7		788.1	788.1	788.1	0.0
BW	126,128	44	236	7.8		788.3	788.3	788.3	0.0
BX	126,421	44	220	8.4		791.3	791.3	791.3	0.0
BY	126,484	96	462	4.0		794.4	794.4	794.4	0.0
BZ	127,314	72	275	6.6		797.5	797.5	797.5	0.0
CA	127,364	62	690	2.6		805.3	805.3	805.3	0.0
CB	128,584	20	148	12.3		805.5	805.5	805.5	0.0
CC	128,634	20	195	9.3		807.9	807.9	807.9	0.0
CD	129,784	260	1,505	1.2		811.4	811.4	811.4	0.0
CE	130,377	27	231	7.9		814.4	814.4	814.4	0.0
CF	130,421	27	326	5.6		818.0	818.0	818.0	0.0
CG	131,012	48	283	6.4		818.5	818.5	818.5	0.0
CH	131,267	48	292	6.2		819.0	819.0	819.0	0.0
CI	132,207	461	2,370	0.9		822.1	822.1	822.1	0.0

¹ Feet above confluence with River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

MIDDLE RIVER ROUGE

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
MORRISON DRAIN									
A	200	136	566	0.4		578.3	574.1 ²	574.2	0.1
B	950	136	433	0.5		578.3	574.1 ²	574.2	0.1
C	2,380	265	502	0.4		578.3	574.2 ²	574.3	0.1
D	3,050	9	42	4.8		578.3	574.2 ²	574.3	0.1
E	3,091	9	43	4.7		578.3	574.2 ²	574.3	0.1
F	3,750	198	253	0.8		578.3	574.6 ²	574.6	0.0
G	4,635	142	245	0.8		578.3	574.8 ²	574.8	0.0
H	4,950	150	258	0.8		578.3	574.9 ²	574.9	0.0
I	5,828	11	35	5.6		578.3	587.9 ²	575.0	0.1
J	5,871	11	51	3.9		578.3	576.2 ²	576.3	0.1
K	6,550	91	231	0.9		578.3	576.6 ²	576.6	0.0
L	7,950	112	215	0.9		578.3	576.9 ²	577.0	0.1
M	9,350	112	193	1.0		578.3	577.5 ²	577.6	0.1
N	10,650	63	212	0.9	217	578.3	578.3	578.4	0.1
O	11,313	40	249	0.8	252	578.9	578.9	578.9	0.0

¹ Feet above confluence with Silver Creek

² Elevation computed without consideration of backwater effects from Lake Erie

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

MORRISON DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
MOSQUITO DRAIN									
A	400	187	565	0.4		623.6	623.6	623.6	0.0
B	1,000	148	382	0.6		623.6	623.6	623.7	0.1
C	2,745	98	242	0.9		623.8	623.8	623.9	0.0
D	5,429	264	284	0.8		625.8	625.8	625.8	0.0
E	6,677	275	177	0.5		626.5	626.5	626.6	0.1
F	8,755	76	70	1.3		628.4	628.4	628.5	0.1

¹ Feet above Monroe/Wayne County boundary

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

MOSQUITO DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NO. 1 DRAIN									
A	31	22	46	3.0		647.5	645.6 ²	645.7	0.1
B	968	171	121	1.2		648.3	648.3	648.4	0.1
C	2,089	25	55	2.6		650.2	650.2	650.3	0.1
D	4,045	86	118	1.2		652.3	652.3	652.4	0.1

¹ Feet above confluence with North Branch Swan Creek

² Elevation computed without consideration of backwater effects from North Branch Swan Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NO. 1 DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NO. 3 DRAIN									
A	119	30	68	1.6		655.5	654.2 ²	654.3	0.1
B	573	23	59	1.9		655.5	654.7 ²	654.7	0.0
C	1,160	17	48	2.3		655.5	655.4 ²	655.4	0.0
D	2,306	248	507	0.2		656.7	656.7	656.8	0.1
E	3,161	167	160	0.7		656.8	656.8	656.9	0.1
F	4,247	269	225	0.5		657.1	657.2	657.3	0.1
G	4,640	79	62	1.8		657.4	657.4	657.5	0.1

¹ Feet above confluence with North Branch Swan Creek

² Elevation computed without consideration of backwater effects from North Branch Swan Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NO. 3 DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NORTH BRANCH ECORSE CREEK									
A	210	100	671	3.1		578.1	578.1	578.1	0.0
B	1,310	88	533	3.9		578.6	578.6	578.6	0.0
C	2,260	105	650	3.2		579.3	579.3	579.3	0.0
D	2,320	98	699	3.0		579.4	579.4	579.4	0.0
E	3,410	98	643	3.3		579.9	579.9	579.9	0.0
F	4,260	81	542	3.9		580.4	580.4	580.4	0.0
G	4,390	73	613	3.4		581.1	581.1	581.1	0.0
H	5,410	77	563	3.7		581.8	581.8	581.8	0.0
I	6,610	170	773	2.7		582.4	582.4	582.4	0.0
J	7,760	200	842	2.5		582.9	582.9	582.9	0.0
K	7,810	95	630	3.3		582.9	582.9	582.9	0.0
L	8,110	126	680	2.1		583.0	583.0	583.0	0.0
M	9,010	91	450	3.1		583.3	583.3	583.3	0.0
N	9,798	145	813	1.7		583.6	583.6	583.6	0.0
O	9,842	145	821	1.7		583.6	583.6	583.6	0.0
P	10,769	398	957	1.5		583.8	583.8	583.8	0.0
Q	11,200	170	767	1.8		583.8	583.8	583.8	0.0
R	11,439	170	825	1.7		584.2	584.2	584.2	0.0
S	11,811	320	1,021	1.4		584.4	584.4	584.4	0.0
T	11,996	400	1,181	1.2		584.5	584.5	584.5	0.0
U	12,766	60	380	3.7		584.7	584.7	584.7	0.0
V	13,344	65	409	3.5		585.3	585.3	585.3	0.0
W	13,388	100	474	3.0		586.1	586.1	586.1	0.0
X	13,718	23	210	6.7		586.2	586.2	586.2	0.0

¹ Feet above confluence with Ecorse Creek

² Elevation computed without consideration of backwater effects from Detroit River

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NORTH BRANCH ECORSE CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NORTH BRANCH ECORSE CREEK (CONTINUED)									
Y	13,978	23	214	6.6		586.4	586.4	586.4	0.0
Z	14,350	33	435	3.1		587.3	587.3	587.3	0.0
AA	14,437	33	436	3.1		587.6	587.6	587.6	0.0
AB	14,779	27	277	4.8		587.6	587.6	587.6	0.0
AC	14,976	27	326	4.1		589.4	589.4	589.4	0.0
AD	15,630	175	838	1.6		589.7	589.7	589.7	0.0
AE	15,670	175	855	1.6		589.8	589.8	589.8	0.0
AF	16,019	150	667	2.0		590.1	590.1	590.1	0.0
AG	16,353	165	968	1.4		590.1	590.1	590.1	0.0
AH	16,385	165	970	1.4		590.2	590.2	590.2	0.0
AI	16,636	180	784	1.7		590.2	590.2	590.2	0.0
AJ	16,738	180	863	1.5		590.6	590.6	590.6	0.0
AK	17,604	128	698	1.9		591.1	591.1	591.1	0.0
AL	17,643	128	750	1.8		591.5	591.5	591.5	0.0
AM	19,743	60	396	1.8	60	589.3	589.3	589.4	0.1
AN	21,161	40	420	1.7		589.7	589.7	589.8	0.1
AO	22,073	35	258	2.8	33	591.1	591.1	591.2	0.1
AP	22,923	27	209	3.4		592.0	592.0	592.0	0.0
AQ	23,644	43	275	2.6		593.9	594.0	594.1	0.1
AR	25,219	109	681	1.1		595.0	595.0	595.1	0.1
AS	25,672	101	678	1.1		595.6	595.6	595.7	0.1
AT	27,151	100	346	2.1		595.8	595.8	595.9	0.1
AU	27,960	130	424	1.7		596.6	596.6	596.6	0.0

¹ Feet above confluence with Ecorse Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NORTH BRANCH ECORSE CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NORTH BRANCH ECORSE CREEK (CONTINUED)									
AV	29,145	177	546	1.3		596.8	596.8	596.9	0.1
AW	29,663	130	471	1.5		597.0	597.0	597.1	0.1
AX	30,294	81	393	2.0		597.4	597.4	597.4	0.0
AY	30,449	77	255	3.0		597.6	597.6	597.6	0.0
AZ	30,599	42	199	3.9		597.9	597.9	597.9	0.0
BA	31,428	350	466	1.7		598.9	598.9	598.9	0.0
BB	31,979	259	336	2.3		599.5	599.5	599.5	0.0
BC	32,138	270	627	1.2		599.7	599.7	599.7	0.0
BD	32,299	270	427	1.8		599.7	599.7	599.7	0.0
BE	32,493	270	578	1.3		599.9	599.9	599.9	0.0
BF	32,639	240	381	2.0		600.0	600.0	600.0	0.0
BG	32,823	280	460	1.7		600.2	600.2	600.3	0.1
BH	33,129	142	219	3.5		600.5	600.5	600.6	0.1
BI	33,313	350	885	0.9		600.8	600.8	600.9	0.1
BJ	33,729	480	680	1.1		601.0	601.0	601.1	0.1
BK	33,884	359	386	2.0		601.1	601.1	601.2	0.1
BL	34,042	357	299	2.6		601.6	601.6	601.6	0.0
BM	34,509	334	642	1.2		602.2	602.2	602.2	0.0
BN	34,527	334	659	1.2		602.3	602.3	602.3	0.0
BO	34,693	270	348	2.2		602.4	602.4	602.4	0.0
BP	34,877	272	523	1.5		602.5	602.5	602.5	0.0
BQ	35,038	226	496	1.6		602.6	602.6	602.6	0.0
BR	35,222	149	390	2.0		602.7	602.7	602.7	0.0

¹ Feet above confluence with Ecorse Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NORTH BRANCH ECORSE CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NORTH BRANCH ECORSE CREEK (CONTINUED)									
BS	35,484	70	387	2.0		603.5	603.5	603.5	0.0
BT	35,562	150	453	1.7		603.5	603.5	603.5	0.0
BU	35,738	177	372	2.1		603.6	603.6	603.6	0.0
BV	35,857	150	343	2.3		603.7	603.7	603.7	0.0
BW	35,920	150	428	1.8		604.4	604.4	604.4	0.0
BX	36,078	95	312	2.5		604.4	604.4	604.4	0.0
BY	36,255	165	510	1.5		604.8	604.8	604.8	0.0
BZ	36,408	152	598	1.3		604.9	604.9	604.9	0.0
CA	36,567	120	458	1.7		604.9	604.9	604.9	0.0
CB	36,747	150	475	1.6		605.0	605.0	605.0	0.0
CC	37,027	130	491	1.6		605.2	605.2	605.2	0.0
CD	37,188	140	389	2.0		605.2	605.2	605.2	0.0
CE	37,377	190	488	1.6		605.4	605.4	605.4	0.0
CF	37,538	138	415	1.9		605.4	605.4	605.4	0.0
CG	37,726	150	538	1.4		605.5	605.5	605.5	0.0
CH	38,092	145	395	2.0		605.7	605.7	605.7	0.0
CI	38,322	270	359	2.2		605.8	605.8	605.8	0.0
CJ	38,499	244	620	1.2		606.0	606.0	606.0	0.0
CK	38,662	257	389	2.0		606.0	606.0	606.0	0.0
CL	38,821	222	445	1.7		606.2	606.2	606.2	0.0
CM	38,992	178	258	3.0		606.3	606.3	606.3	0.0
CN	39,151	174	319	2.4		606.6	606.6	606.6	0.0
CO	39,510	91	437	3.0		607.7	607.7	607.7	0.0

¹ Feet above confluence with Ecorse Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NORTH BRANCH ECORSE CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NORTH BRANCH ECORSE CREEK (CONTINUED)									
CP	39,681	274	594	2.2		608.0	608.0	608.0	0.0
CQ	39,831	230	688	1.9		608.2	608.2	608.2	0.0
CR	40,251	298	702	1.8		608.5	608.5	608.5	0.0
CS	40,481	275	543	2.4		608.5	608.5	608.5	0.0
CT	40,641	202	505	2.6		608.7	608.7	608.7	0.0
CU	40,831	300	582	2.2		608.8	608.8	608.8	0.0
CV	41,097	200	684	1.9		609.7	609.7	609.7	0.0
CW	42,471	400	874	1.5		610.5	610.5	610.5	0.0
CX	43,171	95	475	2.7		610.8	610.8	610.8	0.0
CY	44,162	191	690	1.9		611.5	611.5	611.5	0.0
CZ	44,239	191	647	2.0		611.6	611.6	611.6	0.0
DA	44,586	296	1,237	1.0		611.8	611.8	611.8	0.0
DB	44,921	190	863	1.6		612.1	612.1	612.1	0.0
DC	45,076	190	860	1.6		612.1	612.1	612.1	0.0
DD	45,221	240	1,099	1.3		612.2	612.2	612.2	0.0
DE	45,421	224	978	1.5		612.2	612.2	612.2	0.0
DF	45,571	223	793	1.8		612.2	612.2	612.2	0.0
DG	45,855	90	478	3.0		613.5	613.5	613.5	0.0
DH	45,974	191	509	2.8		614.2	614.2	614.2	0.0
DI	46,271	65	482	2.8		614.5	614.5	614.5	0.0
DJ	46,621	70	555	2.5		614.6	614.6	614.6	0.0
DK	47,421	85	506	2.7		614.9	614.9	614.9	0.0
DL	49,411	83	457	3.0		615.7	615.7	615.8	0.1

¹ Feet above confluence with Ecorse Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NORTH BRANCH ECORSE CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NORTH BRANCH ECORSE CREEK (CONTINUED)									
DM	50,064	221	905	1.5		616.0	616.0	616.1	0.1
DN	50,395	189	735	1.9		616.1	616.1	616.2	0.1
DO	50,725	171	548	2.5		616.6	616.6	616.7	0.1
DP	51,055	173	831	1.6		616.9	616.9	617.0	0.1
DQ	51,436	206	824	1.7		617.4	617.4	617.4	0.0
DR	51,950	99	447	3.2		617.6	617.6	617.6	0.0
DS	52,905	122	479	3.0		618.5	618.5	618.6	0.1
DT	53,487	340	1,005	1.4		620.4	620.4	620.5	0.1
DU	55,101	352	1,331	1.1		620.9	620.9	620.9	0.0
DV	56,196	137	607	1.9		621.2	621.2	621.2	0.0
DW	56,996	61	315	3.7		621.5	621.5	621.5	0.0
DX	57,296	28	343	3.4	38	621.8	621.8	621.9	0.1

¹ Feet above confluence with Ecorse Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NORTH BRANCH ECORSE CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NORTH BRANCH SWAN CREEK									
A	10,103	235	860	1.1		612.4	612.4	612.4	0.0
B	11,928	133	387	2.5		612.7	612.7	612.8	0.1
C	13,838	90	241	4.0		614.1	614.1	614.2	0.1
D	15,178	493	1,106	0.6		615.4	615.4	615.4	0.0
E	16,908	190	600	1.6		617.7	617.7	617.8	0.1
F	19,253	145	484	2.0		621.4	621.4	621.4	0.0
G	20,628	539	2,029	0.5	111	622.9	622.9	623.0	0.1
H	25,228	270	513	1.9		625.8	625.8	625.9	0.1
I	26,961	260	694	1.4	97	627.3	627.3	627.4	0.1
J	28,431	257	485	2.1		628.8	628.8	628.8	0.0
K	28,883	305	390	1.9		629.2	629.2	629.2	0.0
L	30,551	324	416	1.8		630.9	630.9	631.0	0.1
M	31,751	439	583	1.3		632.1	632.1	632.2	0.1
N	32,226	361	463	1.6		632.6	632.6	632.7	0.1
O	32,476	371	541	1.4		632.9	632.9	633.0	0.1
P	34,611	335	359	2.1		635.8	635.8	635.9	0.1
Q	35,947	333	510	1.0	67	637.5	637.5	637.6	0.1
R	37,947	315	262	1.9		642.0	642.0	642.0	0.0
S	39,417	243	252	2.0		644.7	644.7	644.8	0.1
T	40,294	220	407	1.6		647.2	647.2	647.3	0.1
U	41,919	200	338	1.9		650.4	650.4	650.5	0.1
V	42,619	216	408	1.6		651.3	651.3	651.4	0.1
W	42,719	43	369	1.8	137	652.1	652.1	652.2	0.1
X	42,769	30	419	1.6	170	652.2	652.2	652.3	0.1

¹ Feet above confluence with Swan Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NORTH BRANCH SWAN CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NORTH BRANCH SWAN CREEK (CONTINUED)									
Y	44,969	191	324	2.0		654.4	654.4	654.5	0.1
Z	46,769	150	261	2.1		656.6	656.6	656.7	0.1
AA	48,954	141	213	2.1		660.2	660.2	660.3	0.1
AB	50,184	150	331	1.4		661.7	661.7	661.8	0.1
AC	50,334	150	328	1.4		661.9	661.9	662.0	0.1
AD	50,384	130	339	1.3		662.3	662.3	662.4	0.1
AE	50,734	100	237	1.9		662.9	662.9	663.0	0.1
AF	51,044	100	219	2.1		663.5	663.5	663.6	0.1
AG	51,954	104	187	2.4		665.1	665.1	665.2	0.1
AH	52,884	33	114	3.9		666.8	666.8	666.9	0.1
AI	52,984	15	123	3.7		667.6	667.6	667.7	0.1
AJ	53,044	58	134	3.4		667.7	667.7	667.8	0.1
AK	53,074	16	92	4.9		668.6	668.6	668.7	0.1
AL	53,134	74	168	2.7		669.4	669.4	669.2	0.1
AM	53,354	60	175	2.1		669.5	669.5	669.6	0.1
AN	53,854	150	278	1.3		670.2	670.2	670.3	0.1
AO	54,544	120	275	1.3		671.0	671.0	671.1	0.1
AP	54,684	140	451	0.8		673.3	673.3	673.4	0.1
AQ	54,724	150	512	0.7		673.3	673.3	673.4	0.1
AR	55,534	150	555	0.7		673.5	673.5	673.6	0.1
AS	55,739	130	593	0.6		673.6	673.6	673.7	0.1
AT	56,604	90	197	1.9		673.9	673.9	674.0	0.1
AU	56,744	135	245	1.5		674.3	674.3	674.4	0.1

¹ Feet above confluence with Swan Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NORTH BRANCH SWAN CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
NORTH BRANCH SWAN CREEK (CONTINUED)									
AV	56,864	130	490	0.8		675.3	675.3	675.4	0.1
AW	56,904	160	384	1.0		675.3	675.3	675.4	0.1
AX	57,254	250	527	0.7		675.4	675.4	675.5	0.1
AY	57,504	160	403	0.9		675.6	675.6	675.7	0.1
AZ	57,619	250	618	0.6		675.9	675.9	676.0	0.1
BA	57,664	250	487	9.8		675.9	675.9	676.0	0.1
BB	58,259	200	399	0.9		676.2	676.2	676.3	0.1
BC	59,072	65	153	1.3		676.5	676.5	676.6	0.1
BD	59,841	270	620	0.3		677.3	677.3	677.4	0.1
BE	62,246	290	678	0.3		677.4	677.4	677.5	0.1
BF	64,106	22	62	3.2		680.8	680.8	680.9	0.1
BG	65,446	470	467	0.4		682.0	682.0	682.1	0.1
BH	67,146	70	102	2.0		684.0	684.0	684.1	0.1
BI	72,721	45	104	1.9		688.3	688.3	688.4	0.1
BJ	73,493	280	724	0.1	101	689.0	689.0	689.1	0.1

¹ Feet above confluence with Swan Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

NORTH BRANCH SWAN CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
RANDOLPH STREET DRAIN									
A	109	200	326	2.3	63 109	806.0	806.0	806.0	0.0
B	920	98	202	3.7		819.4	819.4	819.4	0.0
C	1,017	148	565	1.4		820.1	820.1	820.1	0.0
D	1,492	15	195	3.9		829.9	829.9	829.9	0.0
E	1,537	34	231	3.3		834.4	834.4	834.4	0.0
F	2,674	16	66	11.6		849.9	849.9	849.9	0.0
G	2,722	16	66	11.6		852.3	852.3	852.3	0.0
H	3,449	8	34	11.8		858.5	858.5	858.5	0.0
I	4,187	8	65	6.1		872.0	872.0	872.0	0.0
J	4,230	20	59	6.8		872.4	872.4	872.4	0.0
K	4,490	39	82	4.9		877.4	877.4	877.4	0.0
L	4,630	171	127	3.2		879.6	879.6	879.6	0.0
M	4,870	23	51	8.4		884.7	884.7	884.7	0.0
N	4,982	35	134	3.2		888.8	888.8	888.8	0.0
O	5,420	122	143	3.0		890.9	890.9	890.9	0.0
P	5,683	154	782	0.6		897.8	897.8	897.8	0.0
Q	6,692	125	118	3.7		901.8	901.8	901.8	0.0
R	7,207	184	302	1.4		904.3	904.3	904.3	0.0
S	7,377	180	539	0.8		905.6	905.6	905.6	0.0
T	8,567	62	44	4.1		905.8	905.8	905.8	0.0
U	8,932	10	32	5.6		909.5	909.5	909.6	0.1
V	9,704	25/14 ²	24	5.7		915.5	915.5	915.5	0.0

¹ Feet above confluence with Middle River Rouge

² Width/Width within study limits

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

RANDOLPH STREET DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SILVER CREEK									
A	8,940	31	159	2.9		578.3	576.6 ²	576.6	0.0
B	9,440	34	142	3.2		578.3	576.9 ²	576.9	0.0
C	9,890	93	276	1.7		578.3	577.2 ²	577.2	0.0
D	9,958	340	480	1.0		578.3	577.3 ²	577.3	0.0
E	10,440	460	1,680	0.5		578.3	577.4 ²	577.4	0.0
F	11,040	491	1,596	0.5		578.3	577.5 ²	577.5	0.0
G	11,180	590	840	1.0		578.3	577.8 ²	577.8	0.0
H	11,680	50	207	3.7		578.3	577.9 ²	577.9	0.0
I	11,826	23	194	4.0		579.8	579.8	579.8	0.0
J	12,226	110	577	1.3		580.2	580.2	580.2	0.0
K	12,776	52	327	2.4		580.3	580.3	580.3	0.0
L	12,860	17	211	3.7		580.5	580.5	580.5	0.0
M	12,951	16	109	7.1		580.5	580.5	580.5	0.0
N	13,002	70	484	1.6		581.5	581.5	581.5	0.0
O	13,452	200	1,092	0.7		581.6	581.6	581.6	0.0
P	14,452	369	1,405	0.6		581.7	581.7	581.7	0.0
Q	14,902	100	413	1.9		581.7	581.7	581.7	0.0
R	15,003	72	415	1.9		582.6	582.6	582.6	0.0
S	15,148	13	108	7.2		582.6	582.6	582.6	0.0
T	15,234	12	101	7.7		582.9	582.9	583.0	0.1
U	15,294	46	367	2.1		584.1	584.1	584.1	0.0
V	15,659	210	1,394	0.6		584.2	584.2	584.3	0.1
W	15,958	61	314	2.5		584.2	584.2	584.2	0.0
X	16,006	37	365	2.1		584.3	584.3	584.3	0.0
Y	16,273	12	156	4.5		585.5	585.5	585.5	0.0

¹ Feet above confluence with Huron River

² Elevation computed without consideration of backwater effects from Lake Erie

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

SILVER CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SILVER CREEK (CONTINUED)									
Z	16,873	220	1,533	0.5		586.0	586.0	586.0	0.0
AA	17,473	350	2,421	0.3		586.0	586.0	586.0	0.0
AB	18,323	250	1,556	0.5		586.0	586.0	586.0	0.0
AC	19,070	250	1,402	0.5		586.0	586.0	586.0	0.0
AD	19,570	400	493	1.4		586.0	586.0	586.0	0.0
AE	20,321	596	2,346	0.3		586.0	586.0	586.1	0.1
AF	21,021	500	1,981	0.4		586.0	586.0	586.1	0.1
AG	23,065	223	367	2.0	111	586.2	586.2	586.3	0.1
AH	23,096	233	578	0.9	142	586.7	586.7	586.8	0.1
AI	24,094	271	950	0.5	242	587.2	587.2	587.2	0.0
AJ	25,594	308	634	0.8	231	587.9	587.9	587.9	0.0
AK	27,358	67	313	1.6	30	589.1	589.1	589.1	0.0
AL	27,558	68	317	1.6		589.3	589.3	589.3	0.0
AM	27,600	59	317	1.6	25	589.3	589.3	589.3	0.0
AN	28,195	59	199	2.5		589.9	589.9	589.9	0.0
AO	28,295	15	75	6.6		589.9	589.9	589.9	0.0
AP	28,394	15	93	5.3		590.8	590.8	590.8	0.0
AQ	29,594	280	489	1.0		591.9	591.9	591.9	0.0
AR	30,021	220	362	1.4		592.1	592.1	592.1	0.0
AS	30,521	213	333	1.5		592.5	592.5	592.6	0.1
AT	31,194	144	279	1.8		593.3	593.3	593.4	0.1
AU	32,694	146	300	1.3		594.7	594.7	594.8	0.1
AV	33,377	97	164	2.4		595.2	595.2	595.3	0.1
AW	33,477	22	116	3.4		595.7	595.7	595.8	0.1

¹ Feet above confluence with Huron River

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

SILVER CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SILVER CREEK (CONTINUED)									
AX	33,668	17	123	3.2		597.1	597.1	597.2	0.1
AY	33,701	35	201	1.9		597.1	597.1	597.2	0.1
AZ	33,736	17	111	3.5		597.1	597.1	597.2	0.1
BA	34,000	17	141	2.8		599.1	599.1	599.1	0.0
BB	34,494	300	1,088	0.7		599.3	599.3	599.3	0.0
BC	35,030	300	1,252	0.6		599.4	599.4	599.5	0.1
BD	35,112	400	2,088	0.4		600.1	600.1	600.2	0.1
BE	35,694	570	1,825	0.4		600.2	600.2	600.3	0.1
BF	36,384	450	710	1.0		600.3	600.3	600.4	0.1
BG	36,456	450	776	0.9		600.3	600.3	600.4	0.1
BH	37,894	450	1,069	0.7		600.8	600.8	600.9	0.1
BI	38,694	314	747	1.0		601.1	601.1	601.2	0.1
BJ	39,903	298	677	1.2		601.7	601.7	601.7	0.0
BK	39,925	298	810	1.0		602.2	602.2	602.2	0.0
BL	40,734	475	1,122	0.7		602.4	602.4	602.4	0.0
BM	40,885	399	636	1.2		602.4	602.4	602.4	0.0
BN	41,625	321	636	1.2		603.3	603.3	603.4	0.1
BO	41,643	348	793	1.0		603.4	603.4	603.5	0.1
BP	41,734	491	1,395	0.6		603.4	603.4	603.5	0.1
BQ	42,374	178	1,048	0.7	254	603.6	603.6	603.7	0.1
BR	42,434	442	1,404	0.6		603.7	603.7	603.8	0.1

¹ Feet above confluence with Huron River

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

SILVER CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SINES DRAIN									
A	100	118	375	2.4	39	667.0	665.8 ²	665.9	0.1
B	730	108	208	4.3		668.0	668.0	668.1	0.1
C	1,400	230	728	1.2	48	670.4	670.4	670.5	0.1
D	2,450	213	396	2.2		671.6	671.6	671.7	0.1
E	4,216	176	290	3.0		675.4	675.4	675.5	0.1
F	5,230	206	815	1.1		678.8	678.8	678.9	0.1
G	7,080	120	313	2.8		682.0	682.0	682.1	0.1
H	9,150	510	1,429	0.6		684.4	684.4	684.5	0.1
I	11,238	230	458	1.4		686.3	686.3	686.4	0.1
J	12,020	175	425	1.4		687.5	687.5	687.6	0.1
K	13,180	22	74	3.7		689.7	689.7	689.7	0.0
L	15,000	75	130	2.1		693.4	693.4	693.5	0.1
M	16,100	73	150	1.8		694.4	694.4	694.5	0.1
N	18,050	230	199	1.4		697.1	697.1	697.2	0.1
O	19,276	80	105	2.6		701.0	701.0	701.1	0.1
P	20,250	225	182	1.5		703.6	703.5	703.6	0.1
Q	22,101	145	157	1.7		705.7	705.7	705.8	0.1

¹ Feet above confluence with Lower River Rouge

² Elevation computed without consideration of backwater effects from Lower River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

SINES DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SMITH CREEK									
A	810	850	1,790	0.3	65	587.1	587.1	587.2	0.1
B	3,370	241	836	0.6		587.2	587.2	587.3	0.1
C	4,956	160	431	1.3		587.7	587.7	587.8	0.1
D	6,484	79	313	2.1		590.3	590.3	590.4	0.1
E	9,507	73	310	2.2		592.0	592.0	592.0	0.0
F	11,910	197	795	0.6		593.3	593.3	593.4	0.1
G	13,413	119	246	2.0		593.8	593.8	593.9	0.1
H	14,148	53	256	1.9		594.7	594.7	594.8	0.1
I	15,700	48	191	2.5		596.3	596.3	596.4	0.1
J	16,585	68	459	1.0	141	598.3	598.3	598.4	0.1
K	17,820	303	1,292	0.4		598.7	598.7	598.8	0.1
L	20,795	122	363	1.5		599.4	599.4	599.5	0.1
M	20,885	25	255	1.4		597.1	597.1	597.2	0.1
N	21,835	17	78	4.8		598.0	598.0	598.1	0.1
O	21,888	17	74	4.9	119	598.0	598.0	598.1	0.1
P	22,173	101	202	1.8		598.6	598.6	598.7	0.1
Q	22,619	51	143	2.6		598.8	598.8	598.9	0.1
R	23,759	231	530	0.7		599.6	599.6	599.7	0.1
S	24,521	98	156	2.3		599.9	599.9	599.9	0.0
T	24,553	170	225	1.6		600.3	600.3	600.3	0.0
U	25,459	165	277	1.1		600.7	600.7	600.7	0.0
V	27,159	199	238	1.3		601.6	601.6	601.7	0.1
W	29,689	22	85	2.8		601.8	601.8	601.9	0.1
X	31,345	13	55	4.3	40	603.9	603.9	604.0	0.1
Y	31,372	13	56	4.2		603.9	603.9	604.0	0.1

¹ Feet above Interstate 75

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

SMITH CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SMITH CREEK (CONTINUED)									
Z	33,387	*	*	*		606.5	*	*	*
AA	35,160	*	*	*		609.4	*	*	*
AB	37,895	*	*	*		611.9	*	*	*
AC	38,635	*	*	*		613.1	*	*	*
AD	41,167	*	*	*		615.6	*	*	*

¹ Feet above Interstate 75

TABLE 16	FEDERAL EMERGENCY MANAGEMENT AGENCY		FLOODWAY DATA	
	WAYNE COUNTY, MI (ALL JURISDICTIONS)		SMITH CREEK	

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SMITH CREEK/ SILVER CREEK OVERFLOW A	9,890	259	759	0.4		578.3	577.4 ²	577.4	0.0

¹ Feet above confluence with Huron River

² Elevation computed without consideration of backwater effects from Lake Erie

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

SMITH CREEK/SILVER CREEK OVERFLOW

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SOUTH BRANCH ECORSE CREEK									
A	596	90	646	2.7		578.1	578.1	578.1	0.0
B	1,871	83	587	3.0		578.4	578.4	578.4	0.0
C	1,921	49	466	3.8		578.4	578.4	578.4	0.0
D	2,640	83	602	2.9		579.1	579.1	579.1	0.0
E	4,740	87	603	2.9		579.7	579.7	579.7	0.0
F	5,840	95	648	2.7		580.0	580.0	580.0	0.0
G	7,857	76	586	3.0		580.8	580.8	580.8	0.0
H	8,577	52	478	3.7		581.5	581.5	581.5	0.0
I	9,088	52	485	3.6		581.8	581.8	581.8	0.0
J	9,281	56	543	3.2		582.4	582.4	582.4	0.0
K	10,241	94	643	3.2		582.8	582.8	582.8	0.0
L	10,829	47	491	3.6		582.9	582.9	582.9	0.0
M	10,869	47	502	3.5		583.2	583.2	583.2	0.0
N	12,704	78	542	3.8		583.8	583.8	583.8	0.0
O	12,994	48	443	4.0		583.9	583.9	583.9	0.0
P	13,115	48	456	3.9		584.2	584.2	584.2	0.0
Q	13,411	60	424	5.3		584.3	584.3	584.3	0.0
R	13,900	35	334	5.3		584.7	584.7	584.7	0.0
S	13,939	35	325	5.4		584.7	584.7	584.7	0.0
T	14,744	68	399	7.6		585.6	585.6	585.6	0.0
SEXTON-KILFOIL DRAIN									
U	25,894	114	410	3.2		601.5	601.5	601.5	0.0

¹ Feet above confluence with North Branch Ecorse Creek

² Elevation computed without consideration of backwater effects from Detroit River

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

**WAYNE COUNTY, MI
(ALL JURISDICTIONS)**

FLOODWAY DATA

**SOUTH BRANCH ECORSE CREEK/
SEXTON-KILFOIL DRAIN**

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SEXTON-KILFOIL DRAIN (CONTINUED)									
V	27,194	350	1,684	0.8	160	605.1	605.1	605.2	0.1
W	27,894	599	241	0.5		605.2	605.2	605.3	0.1
X	28,924	309	601	2.1		605.7	605.7	605.8	0.1
Y	30,434	272	1,031	1.2		606.8	606.8	606.8	0.0
Z	31,074	603	901	1.4		607.3	607.3	607.3	0.0
AA	32,784	80	354	3.5		608.6	608.6	608.7	0.1
AB	34,464	268	796	1.5		610.1	610.1	610.2	0.1
AC	37,014	140	457	2.7		614.8	614.8	614.9	0.1
AD	40,014	104	255	4.8		616.4	616.4	616.5	0.1
AE	42,614	225	512	2.4		620.0	620.0	620.1	0.1
AF	44,014	92	430	2.9		620.7	620.7	620.8	0.1
AG	45,864	280	807	1.5		622.3	622.3	622.4	0.1

¹ Feet above confluence with North Branch Ecorse Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

SEXTON-KILFOIL DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SOUTH BRANCH TONQUISH CREEK									
A	61	61	248	1.9		700.0	700.0	700.1	0.1
B	1,544	18	107	4.3		703.3	703.3	703.4	0.1
C	2,493	23	123	3.7		707.8	707.8	707.9	0.1
D	3,034	18	78	5.9		709.2	709.2	709.3	0.1
E	4,169	20	73	6.3		713.6	713.6	713.7	0.1
F	5,082	26	120	3.8		719.5	719.5	719.5	0.0
G	5,625	26	153	3.0		722.8	722.8	722.8	0.0
H	7,129	26	54	4.5		727.2	727.2	727.3	0.1
I	8,419	20	52	4.7		733.9	733.9	734.0	0.1
J	8,843	90	133	1.8		736.8	736.8	736.8	0.0
K	10,326	18	49	4.9		743.8	743.8	743.9	0.1
L	11,257	44	88	2.7		749.3	749.3	749.4	0.1
M	12,229	13	37	6.5		755.7	755.7	755.8	0.1
N	13,253	65	54	4.1		762.9	762.9	763.0	0.1
O	14,069	77	1,007	0.6		778.3	778.3	778.4	0.1
P	14,745	237	858	0.4		778.3	778.3	778.4	0.1
Q	15,407	74	80	3.9		780.1	780.1	780.2	0.1
R	15,766	60	70	4.4		782.5	782.5	782.6	0.1
S	16,677	29	50	6.3		789.6	789.6	789.7	0.1

¹ Feet above confluence with Tonquish Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

SOUTH BRANCH TONQUISH CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
SUTLIFF AND KENOPE DRAIN									
A	550	4	189	3.2	49	608.6	608.6	608.6	0.0
B	1,150	4	204	3.0	51	609.4	609.4	609.4	0.0
C	2,150	19	201	3.0	38	610.6	610.6	610.6	0.0
D	3,150	31	185	3.3		612.0	612.0	612.0	0.0
E	4,000	18	145	4.2	28	613.8	613.8	613.8	0.0
F	5,930	40	121	5.0		619.8	619.8	619.9	0.1
G	7,464	359	469	1.3		623.9	623.9	624.0	0.1
H	8,564	236	391	1.6	34	625.1	625.1	625.2	0.1
I	9,349	282	727	0.8	210	625.9	625.9	626.0	0.1

¹ Feet above North Line Road

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

SUTLIFF AND KENOPE DRAIN

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
TARABUSI CREEK									
A	1,120	123	453	3.9		623.7	623.7	623.8	0.1
B	2,466	58	445	4.0		626.6	626.6	626.7	0.1
C	2,554	74	447	4.0		626.6	626.6	626.7	0.1
D	4,316	31	179	9.9		629.8	629.8	629.8	0.0
E	4,453	193	1,420	1.2		634.9	634.9	634.9	0.0
F	5,950	302	1,588	1.1		635.4	635.4	635.4	0.0
G	6,600	235	879	2.0		635.7	635.7	635.7	0.0
H	7,340	238	828	2.1		636.8	636.8	636.9	0.1
I	9,233	233	704	2.5		640.5	640.5	640.6	0.1
J	10,708	43	351	5.0		645.6	645.6	645.7	0.1
K	10,782	64	356	5.0		645.7	645.7	645.8	0.1
L	11,720	251	536	3.0		647.4	647.4	647.4	0.0
M	12,570	252	665	2.4		650.4	650.4	650.5	0.1
N	13,360	166	535	3.0	35	653.5	653.5	653.6	0.1
O	14,440	18	112	14.2		659.1	659.1	659.1	0.0
P	14,570	171	1,369	1.2		664.0	664.0	664.0	0.0
Q	15,360	150	1,035	1.5		664.4	664.4	664.4	0.0
R	16,100	214	737	2.2		665.2	665.2	665.2	0.0
S	16,900	190	661	2.4		666.9	666.9	667.0	0.1
T	17,690	85	416	3.8	55	669.8	669.8	669.9	0.1
U	19,313	30	208	7.6		677.0	677.0	677.0	0.0
V	19,437	61	357	3.8		678.5	678.5	678.5	0.0
W	19,517	183	571	2.4		678.7	678.7	678.7	0.0
X	20,117	19	321	4.2	75	679.8	679.8	679.9	0.1
Y	21,117	30	411	3.3	110	683.0	683.0	683.1	0.1

¹ Feet above confluence with Bell Branch

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

TARABUSI CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
TARABUSI CREEK (CONTINUED)									
Z	21,667	22	252	5.4	51	685.5	685.5	685.6	0.1
AA	23,050	139	519	2.6	40	692.0	692.0	692.1	0.1
AB	23,550	109	485	2.8		693.5	693.5	693.5	0.0
AC	24,250	30	480	2.5	192	694.6	694.6	694.6	0.0

¹ Feet above confluence with Bell Branch

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

TARABUSI CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
TONQUISH CREEK									
A	200	*	*	*		632.0	*	*	*
B	2,220	*	*	*		635.0	*	*	*
C	3,825	*	*	*		636.6	*	*	*
D	3,975	*	*	*		638.0	*	*	*
E	7,500	*	*	*		641.4	*	*	*
F	10,650	*	*	*		646.5	*	*	*
G	12,840	*	*	*		648.5	*	*	*
H	14,300	*	*	*		650.0	*	*	*
I	14,400	*	*	*		652.5	*	*	*
J	15,700	*	*	*		653.8	*	*	*
K	17,375	*	*	*		655.0	*	*	*
L	17,450	*	*	*		656.0	*	*	*
M	19,550	*	*	*		658.7	*	*	*
N	20,450	138	437	4.8		659.7	659.7	659.8	0.1
O	21,433	510	5,857	0.4		671.4	671.4	671.4	0.0
P	22,839	279	2,771	0.8		671.4	671.4	671.5	0.1
Q	25,075	114	773	2.7		671.6	671.6	671.7	0.1
R	25,930	540	3,014	0.7		674.2	674.2	674.3	0.1
S	27,805	292	844	2.5		674.3	674.3	674.4	0.1
T	29,150	165	584	3.3		676.2	676.2	676.3	0.1
U	32,025	579	1,154	1.7		683.8	683.8	683.8	0.0
V	32,593	335	542	2.6		683.9	683.9	684.0	0.1
W	33,881	119	276	5.1		687.4	687.4	687.4	0.0
X	35,861	162	493	2.8		693.4	693.4	693.5	0.1
Y	37,797	55	293	4.8		697.2	697.2	697.3	0.1

¹ Feet above confluence with Middle River Rouge

* Data not computed

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

TONQUISH CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
TONQUISH CREEK (CONTINUED)									
Z	38,512	33	220	4.3		700.1	700.1	700.2	0.1
AA	38,967	124	304	3.1		702.8	702.8	702.8	0.0
AB	39,920	157	511	1.9		705.6	705.6	705.7	0.1
AC	40,487	106	363	2.6		707.2	707.2	707.2	0.0
AD	41,146	140	475	2.0		709.6	709.6	709.7	0.1
AE	44,066	172	621	1.5		723.7	723.7	723.7	0.0
AF	45,581	130	280	3.4		727.5	727.5	727.6	0.1
AG	47,222	37	179	5.3		738.7	738.7	738.8	0.1
AH	49,776	216	379	2.5		752.4	752.4	752.5	0.1
AI	50,997	93	247	3.9		757.8	757.8	757.9	0.1
AJ	52,018	195	400	1.4		764.5	764.5	764.6	0.1
AK	53,215	37	99	5.5		770.4	770.4	770.5	0.1
AL	53,423	220	912	0.5		774.4	774.4	774.4	0.0

¹ Feet above confluence with Middle River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

TONQUISH CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
TRIBUTARY NO. 1									
A	60	72	89	7.2		645.9	642.9 ²	643.0	0.1
B	1,250	172	171	2.7		648.4	648.4	648.4	0.0
C	3,470	32	91	5.1		655.8	655.8	685.8	0.0
D	4,235	26	109	4.2		659.3	659.3	689.3	0.0
E	4,588	22	79	5.8		660.0	660.0	660.0	0.0
F	4,638	16	63	7.3		660.0	660.0	660.0	0.0
G	5,363	39	84	5.5		663.2	663.2	663.2	0.0
H	6,355	50	102	4.5		667.4	667.4	667.4	0.0
I	7,975	54	113	3.6		676.5	676.5	676.6	0.1
J	8,252	40	131	3.5		677.1	677.1	677.2	0.1
K	8,975	40	64	7.2		680.3	680.3	680.3	0.0

¹ Feet above confluence with Bell Branch

² Elevation computed without consideration of backwater effects from Bell Branch

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UPPER RIVER ROUGE									
A	1,745	335	5,808	1.1		616.5	616.5	616.6	0.1
B	1,995	168	2,740	2.3		616.5	616.5	616.6	0.1
C	2,145	110	1,858	3.4		616.8	616.8	616.9	0.1
D	3,145	219	3,021	2.1		617.1	617.1	617.2	0.1
E	4,285	255	3,301	0.9		617.3	617.3	617.4	0.1
F	5,380	380	6,029	0.5	38	617.4	617.4	617.5	0.1
G	7,165	300	2,449	1.3	140	617.4	617.4	617.5	0.1
H	8,587	290	2,372	1.3	44	617.7	617.7	617.8	0.1
I	8,717	248	2,175	1.4		617.8	617.8	617.9	0.1
J	9,290	194	1,610	1.9		617.9	617.9	618.0	0.1
K	10,965	171	1,327	2.3		618.7	618.7	618.8	0.1
L	11,535	261	1,717	1.8		619.1	619.1	619.2	0.1
M	11,615	215	1,955	1.6	40	620.2	620.2	620.2	0.0
N	13,815	230	2,300	1.2	110	621.3	621.3	621.3	0.0
O	15,120	215	1,021	2.6		621.6	621.6	621.7	0.1
P	16,365	140	1,490	1.8	190	623.1	623.1	623.2	0.1
Q	16,445	200	1,906	1.4	100	624.9	624.9	624.9	0.0
R	18,100	278	2,069	1.3		625.2	625.2	625.3	0.1
S	21,310	73	439	6.1		626.1	626.1	626.2	0.1
T	22,865	115	1,052	2.6	31	628.1	628.1	628.2	0.1
U	22,935	86	545	4.9		631.5	631.5	631.5	0.0
V	23,775	187	1,603	1.7		633.4	633.4	633.4	0.0
W	25,052	192	1,088	2.5		635.2	635.2	635.3	0.1
X	25,108	200	1,262	2.1		635.9	635.9	636.0	0.1

¹ Feet above confluence with River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

UPPER RIVER ROUGE

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
UPPER RIVER ROUGE (CONTINUED)									
Y	25,628	260	1,113	2.4	30	636.5	636.5	636.5	0.0
Z	26,088	194	1,103	2.4		636.9	636.9	637.0	0.1
AA	26,184	200	1,192	2.3		637.2	637.2	637.3	0.1
AB	26,860	280	2,594	1.0		637.6	637.6	637.7	0.1
AC	28,241	205	957	2.8		638.1	638.1	638.2	0.1
AD	28,560	278	1,789	1.5		638.6	638.6	638.7	0.1
AE	29,040	296	2,325	1.2		638.9	638.9	639.0	0.1
AF	30,375	294	1,858	1.4		639.6	639.6	639.7	0.1
AG	31,190	216	905	3.0	52	639.7	639.7	639.8	0.1
AH	31,990	259	1,218	2.1		641.6	641.6	641.7	0.1
AI	32,540	132	676	3.8		643.0	643.0	643.0	0.0

¹ Feet above confluence with River Rouge

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

UPPER RIVER ROUGE

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
WILLOW CREEK									
A	900	*	*	*		654.0	*	*	*
B	1,300	*	*	*		654.1	*	*	*
C	2,290	*	*	*		654.3	*	*	*
D	3,775	*	*	*		655.5	*	*	*
E	4,285	*	*	*		658.2	*	*	*
F	5,100	*	*	*		658.7	*	*	*
G	5,710	*	*	*		659.3	*	*	*
H	5,825	*	*	*		659.8	*	*	*
I	6,650	*	*	*		660.9	*	*	*
J	6,790	*	*	*		664.9	*	*	*
K	7,850	*	*	*		666.0	*	*	*
L	9,000	*	*	*		666.6	*	*	*
M	9,300	314	1,320	0.6		667.3	667.3	667.4	0.1
N	10,207	372	891	0.9		667.3	667.3	667.4	0.1
O	11,330	218	379	2.1		667.3	667.3	667.4	0.1
P	12,301	261	580	1.4		668.7	668.7	668.8	0.1
Q	12,999	109	266	2.5		668.9	668.9	669.0	0.1
R	13,624	376	620	1.1		669.8	669.8	669.9	0.1
S	14,864	344	441	1.5		670.9	670.9	671.0	0.1
T	15,508	173	743	0.9		671.7	671.7	671.8	0.1
U	16,416	55	288	2.3		671.7	671.7	671.8	0.1
V	17,221	75	257	2.5		672.3	672.3	672.4	0.1
W	18,889	42	160	4.1		674.1	674.1	674.2	0.1
X	19,858	29	132	4.9		675.4	675.4	675.5	0.1
Y	21,146	66	167	3.9		677.3	677.3	677.4	0.1

¹ Feet above confluence with Tonquish Creek

* Data not computed

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

WILLOW CREEK

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
WILLOW CREEK (CONTINUED)									
Z	22,253	67	187	3.5		678.1	678.1	678.2	0.1
AA	24,064	28	77	4.8		680.3	680.3	680.4	0.1
AB	25,407	35	115	3.2		682.7	682.7	682.8	0.1
AC	26,584	25	80	4.6		685.0	685.0	685.0	0.0
AD	27,199	89	242	1.5		689.8	689.8	689.8	0.0
AE	28,899	49	101	3.7		691.8	691.8	691.8	0.0
AF	29,880	54	114	3.3		694.2	694.2	694.2	0.0
AG	30,327	65	191	1.9		696.4	696.4	696.4	0.0
AH	30,947	47	117	3.2		696.9	696.9	696.9	0.0
AI	31,979	49	119	3.1		698.9	698.9	698.9	0.0
AJ	32,912	18	45	8.2		701.9	701.9	701.9	0.0

¹ Feet above confluence with Tonquish Creek

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

WAYNE COUNTY, MI
(ALL JURISDICTIONS)

FLOODWAY DATA

WILLOW CREEK

5.0 INSURANCE APPLICATIONS

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

Zone A

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

Zone AE

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

Zone X

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

6.0 FLOOD INSURANCE RATE MAP

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

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

For floodplain management applications, the map shows by tints, screens and symbols, the 1- and 0.2-percent-annual-chance floodplains, floodways, and the locations of selected cross sections used in the hydraulic analyses and floodway computations.

The current FIRM presents flooding information for the entire geographic area of Wayne County. Previously, separate FIRMs were prepared for each identified floodprone incorporated community and the unincorporated areas of the county. Historical data relating to the maps prepared for each community are presented in TABLE 17.

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Allen Park, City of	May 3, 1974	January 10, 1975	February 17, 1982	May 6, 1996
Belleville, City of	February 2, 2012	none	February 2, 2012	none
Brownstown, Charter Township of	August 23, 1974	July 16, 1976	August 16, 1982	November 4, 1992 September 6, 1995
Canton, Township of	June 28, 1974	August 6, 1976	September 2, 1981	none
Dearborn, City of	May 3, 1974	February 28, 1975	April 20, 1979	December 25, 1981 May 6, 1996
Dearborn Heights, City of	July 19, 1974	October 17, 1975	May 2, 1983	May 6, 1996
Detroit, City of	July 26, 1974	February 7, 1975	July 2, 1981	April 17, 1984
Ecorse, City of	May 3, 1974	February 21, 1975	May 1, 1978	none
Flat Rock, City of	May 17, 1974	June 18, 1976	December 1, 1981	none
* Garden City, City of	N/A	none	N/A	none
Gibraltar, City of	June 28, 1974	August 1, 1975	June 15, 1979	none
Grosse Ile, Township of	June 7, 1974	July 11, 1975	August 1, 1980	none

* No Special Flood Hazard Areas identified

TABLE 17

FEDERAL EMERGENCY MANAGEMENT AGENCY

**WAYNE COUNTY, MI
(ALL JURISDICTIONS)**

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Grosse Pointe, City of	June 7, 1974	June 4, 1976	September 1, 1988	none
Grosse Pointe Farms, City of	May 17, 1974	March 5, 1976	December 10, 1982	none
Grosse Pointe Park, City of	April 12, 1974	March 5, 1976	January 3, 1979	none
Grosse Pointe Shores, A Michigan City, Village of (Macomb and Wayne Counties)	April 12, 1974	June 18, 1976	January 3, 1979	none
* Grosse Pointe Woods, City of	N/A	none	N/A	none
* Hamtramck, City of	N/A	none	N/A	none
* Harper Woods, City of	N/A	none	N/A	none
* Highland Park, City of	N/A	none	N/A	none
Huron, Township of	June 30, 1978	none	October 17, 1986	none
Inkster, City of	April 12, 1974	September 10, 1976	March 2, 1979	none
Lincoln Park, City of	May 3, 1974	June 27, 1975	November 17, 1982	none
Livonia, City of	December 7, 1973	June 11, 1976	November 4, 1981	none

* No Special Flood Hazard Areas identified

TABLE 17

FEDERAL EMERGENCY MANAGEMENT AGENCY

**WAYNE COUNTY, MI
(ALL JURISDICTIONS)**

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Melvindale, City of	February 2, 2012	none	February 2, 2012	none
Northville, City of (Oakland and Wayne Counties)	September 3, 1976	none	September 16, 1981	December 6, 1999
Northville, Township of	September 24, 1976	none	September 16, 1981	none
Plymouth, Charter Township of	August 9, 1974	October 17, 1975	March 2, 1981	January 5, 1996
Plymouth, City of	May 17, 1974	June 11, 1976	February 18, 1981	January 5, 1996
Redford, Township of	November 2, 1973	September 10, 1976	March 16, 1981	none
River Rouge, City of	May 17, 1974	September 26, 1975	January 5, 1978	none
Riverview, City of	May 3, 1974	February 28, 1975 February 13, 1976	September 16, 1981	none
Rockwood, City of	November 2, 1973	March 14, 1975	June 15, 1979	none
Romulus, City of	February 2, 2012	none	February 2, 2012	none
Southgate, City of	April 12, 1974	April 18, 1975	September 15, 1978	none
Sumpter, Township of	June 28, 1974	August 20, 1976 June 10, 1977	May 5, 1981	none

TABLE 17

FEDERAL EMERGENCY MANAGEMENT AGENCY

**WAYNE COUNTY, MI
(ALL JURISDICTIONS)**

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Taylor, City of	October 17, 1986	none	October 17, 1986	May 6, 1996
Trenton, City of	May 10, 1974	March 7, 1975	August 17, 1981	June 19, 1985
Van Buren, Township of	February 2, 2012	none	February 2, 2012	none
Wayne, City of	May 31, 1974	October 31, 1975	August 15, 1980	none
Westland, City of	January 17, 1985	none	January 17, 1985	none
Woodhaven, City of	February 5, 1986	none	February 5, 1986	none
Wyandotte, City of	May 17, 1974	none	May 1, 1978	none

TABLE 17	FEDERAL EMERGENCY MANAGEMENT AGENCY	
	WAYNE COUNTY, MI (ALL JURISDICTIONS)	COMMUNITY MAP HISTORY

7.0 OTHER STUDIES

This countywide FIS incorporates all previously published FISs and FIRMs for the incorporated areas within Wayne County.

This FIS report either supersedes or is compatible with all previous studies published on streams studied in this report and should be considered authoritative for purposes of the NFIP.

Countywide FIS reports and FIRMs are in progress for Monroe County and Washtenaw County. The results of these studies will be in agreement with the results of this countywide study. Countywide FIS reports are effective for Macomb County and Oakland County. The effective date for both Macomb County and Oakland County is September 29, 2006.

8.0 LOCATION OF DATA

Information concerning the pertinent data used in the preparation of this study can be obtained by contacting the Flood Insurance and Mitigation Division, Federal Emergency Management Agency, 536 South Clark Street, Sixth Floor, Chicago, Illinois 60605.

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