

FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 3 OF 15



LEE COUNTY, FLORIDA AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
BONITA SPRINGS, CITY OF	120680
CAPE CORAL, CITY OF	125095
ESTERO, VILLAGE OF	120260
FORT MYERS, CITY OF	125106
FORT MYERS BEACH, TOWN OF	120673
LEE COUNTY, UNINCORPORATED AREAS	125124
SANIBEL, CITY OF	120402



FEMA

**REVISED
PRELIMINARY
12/04/2025**

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TBD

FLOOD INSURANCE STUDY NUMBER
12071CV003D

Version Number 2.8.5.0

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Transect 248	521-522 T
Transect 249	523-524 T
Transect 250	525-526 T
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Transect 252	529-530 T
Transect 253	531-532 T
Transect 254	533-534 T
Transect 255	535-537 T
Transect 256	538-539 T
Transect 257	540-541 T
Transect 258	542-543 T
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Transect 292	613-614 T
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Transect 316	667-668 T
Transect 317	669-670 T
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Transect 324	681-682 T
Transect 325	683-684 T
Transect 326	685 T
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Transect 328	688 T
Transect 329	689-690 T
Transect 330	691-692 T
Transect 331	693-694 T
Transect 332	695-696 T
Transect 333	697-699 T
Transect 334	700-701 T
Transect 335	702-704 T
Transect 336	705-706 T
Transect 337	707 T
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Transect 339	710 T
Transect 340	711-713 T
Transect 341	714-715 T
Transect 342	716-718 T
Transect 343	719-721 T
Transect 344	722-724 T
Transect 345	725-727 T
Transect 346	728-729 T
Transect 347	730 T
Transect 348	731-732 T
Transect 349	733-734 T
Transect 350	735-736 T
Transect 351	737-738 T
Transect 352	739-740 T
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Transect 362	761-762 T
Transect 363	763-764 T
Transect 364	765-766 T
Transect 365	767-768 T
Transect 366	769-770 T
Transect 367	771-772 T
Transect 368	773-775 T
Transect 369	776-778 T
Transect 370	779-781 T
Transect 371	782-784 T
Transect 372	785-786 T
Transect 373	787 T
Transect 374	788-789 T
Transect 375	790-791 T
Transect 376	792-793 T
Transect 377	794-795 T
Transect 378	796-797 T
Transect 379	798-799 T
Transect 380	800-801 T
Transect 381	802-803 T
Transect 382	804-805 T
Transect 383	806-807 T
Transect 384	808-809 T
Transect 385	810-811 T
Transect 386	812-813 T
Transect 387	814-815 T
Transect 388	816-818 T
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Published Separately

Flood Insurance Rate Map (FIRM)

Table 23: Floodway Data

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	800	N/A	N/A	N/A	*	0.8 ⁴	N/A	N/A
B ¹	2,100	N/A	N/A	N/A	*	3.4 ⁴	N/A	N/A
C ¹	3,400	N/A	N/A	N/A	*	3.7 ⁴	N/A	N/A
D ¹	4,237	N/A	N/A	N/A	*	4.0 ⁴	N/A	N/A
E	6,533	220	445	2.3	9.7 ³	8.6 ⁴	9.2	0.6
F	7,686	280	838	1.2	10.6	10.6	11.5	0.9
G	9,991	260	1,101	0.7	12.8	12.8	13.7	0.9
H	11,242	418	2,728	0.3	19.8	19.8	19.9	0.1
I	16,272	115	312	1.8	20.4	20.4	21.2	0.8
J	17,727	550	2,177	0.3	21.7	21.7	22.6	0.9
K	18,981	675	1,779	0.3	21.8	21.8	22.7	0.9
L	19,279	675	2,131	0.2	21.8	21.8	22.7	0.9
M	19,678	775	1,999	0.2	21.8	21.8	22.7	0.9
N	21,321	1,084	2,144	0.2	21.8	21.8	22.8	1.0
O	23,967	34	142	2.2	22.2	22.2	23.1	0.9
P	24,798	469	581	0.5	23.5	23.5	23.6	0.1

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Bayshore Creek

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate map for regulatory base flood elevation

TABLE 23	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	LEE COUNTY, FLORIDA	FLOODING SOURCE: BAYSHORE CREEK
	AND INCORPORATED AREAS	

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	1,760	1,159	2,906	1.5	*	6.9 ³	7.7	0.8
B	2,730	1,610	3,715	1.1	*	7.9 ³	8.6	0.7
C	4,160	1,142	3,632	1.1	10.7 ²	9.9 ³	10.3	0.4
D	5,304	266	1,431	2.9	11.2 ²	10.7 ³	11.1	0.4
E	6,562	304	1,689	2.5	12.2 ²	12.0 ³	12.4	0.4
F	7,731	375	2,080	2.0	12.7 ²	12.6 ³	13.1	0.5
G	8,665	378	1,987	2.0	13.2 ²	13.1 ³	13.7	0.6
H	9,705	452	2,846	1.4	13.8 ²	13.8 ³	14.6	0.8
I	10,589	400	2,166	1.9	14.5	14.5	15.2	0.7
J	11,624	657	4,028	0.9	14.6	14.6	15.6	1.0
K	12,724	786	4,349	0.8	14.9	14.9	15.9	1.0
L	13,924	1,138	6,237	0.6	15.0	15.0	16.0	1.0
M	15,024	1,507	7,603	0.5	15.1	15.1	16.1	1.0
N	15,774	1,361	4,077	0.9	15.3	15.3	16.3	1.0
O	21,474	86	723	4.2	19.9	19.9	20.3	0.4
P	29,922	453	2,026	1.1	24.3	24.3	24.7	0.4
Q	33,190	926	3,546	0.5	24.5	24.5	25.0	0.5
R	39,222	770	2,312	0.5	26.1	26.1	26.4	0.3
S	40,503	480	1,650	0.2	26.1	26.1	26.4	0.3
T	46,749	80	693	0.5	26.1	26.1	26.5	0.4

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Bedman Creek/Dog Canal

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: BEDMAN CREEK / DOG CANAL

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	505	N/A	N/A	N/A	*	1.3 ⁴	N/A	N/A
B	3,482	115	787	5.5	*	4.8 ⁴	5.2	0.4
C	5,126	178	1,244	3.4	*	6.1 ⁴	6.6	0.5
D	7,656	155	1,750	1.6	*	6.9 ⁴	7.6	0.7
E	8,475	60	548	5.2	9.4 ³	7.7 ⁴	8.6	0.9
F	10,258	295	1,475	1.9	10.0 ³	9.4 ⁴	10.3	0.9
G	11,665	176	1,319	2.2	10.5 ³	10.2 ⁴	11.1	0.9
H	12,825	575	4,289	0.7	10.9 ³	10.7 ⁴	11.7	1.0
I	13,695	1,144	6,316	0.5	10.9 ³	10.8 ⁴	11.8	1.0
J	15,035	744	4,009	0.7	11.0 ³	10.8 ⁴	11.8	1.0
K	16,585	629	2,777	1.0	11.2 ³	11.1 ⁴	12.1	1.0
L	18,733	448	1,374	2.1	13.2	13.2	14.1	0.9
M	19,443	163	728	2.6	13.8	13.8	14.8	1.0
N	20,550	150	695	2.7	16.1	16.1	16.9	0.8
O	20,943	254	895	2.1	16.8	16.8	17.7	0.9
P	21,616	475	1,745	1.0	17.4	17.4	18.4	1.0

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Billy Creek

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevations

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: BILLY 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	2,085	30	87	5.6	*	3.2 ²	3.2	0.0
B	2,315	70	465	1.0	11.0	11.0	11.0	0.0
C	3,062	50	226	1.9	11.3	11.3	11.3	0.0
D	3,927	57	233	1.8	11.5	11.5	11.5	0.0
E	4,549	62	242	1.6	11.7	11.7	11.7	0.0
F	5,018	50	210	1.8	11.9	11.9	11.9	0.0
G	5,866	60	211	1.7	12.2	12.2	12.2	0.0
H	6,325	50	306	1.1	12.3	12.3	12.3	0.0
I	6,825	40	212	1.4	12.4	12.4	12.4	0.0
J	7,712	56	297	0.8	12.6	12.6	12.6	0.0
K	8,966	60	290	0.4	12.7	12.7	12.7	0.0
L	9,631	60	287	0.3	12.7	12.7	12.7	0.0
M	10,271	40	161	0.2	12.7	12.7	12.7	0.0

¹Feet above mouth

²Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: CARRELL CANAL

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	-0.2 ³	N/A	N/A
B ¹	1,300	N/A	N/A	N/A	*	0.9 ³	N/A	N/A
C ¹	3,600	N/A	N/A	N/A	*	1.6 ³	N/A	N/A
D ¹	4,800	N/A	N/A	N/A	*	1.8 ³	N/A	N/A
E ¹	5,817	N/A	N/A	N/A	*	2.8 ³	N/A	N/A
F ¹	7,292	N/A	N/A	N/A	*	5.5 ³	N/A	N/A
G	8,084	62	293	2.1	*	6.4 ³	7.3	0.9
H	12,179	62	158	3.4	14.2	14.2	14.8	0.6
I	13,264	205	564	0.9	14.8	14.8	15.7	0.9
J	13,893	43	299	1.4	15.4	15.4	16.2	0.8
K	14,412	47	319	1.3	15.8	15.8	16.6	0.8
L	15,141	195	1,499	0.2	19.5	19.5	19.9	0.4
M	15,751	27	180	1.8	19.5	19.5	19.9	0.4
N	16,103	138	598	0.5	19.5	19.5	20.2	0.7
O	17,465	119	395	0.5	19.5	19.5	20.4	0.9
P	18,819	35	127	0.4	19.5	19.5	20.4	0.9
Q	20,043	36	158	0.3	19.5	19.5	20.4	0.9
R	20,758	43	120	0.4	19.5	19.5	20.5	1.0

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: CHAPEL BRANCH 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	0	68	427	7.3	*	2.2 ³	3.2	1.0
B	1,627	376	1,218	2.6	*	5.9 ³	6.3	0.4
C	4,590	54	579	4.9	10.1 ²	8.6 ³	9.6	1.0
D	5,290	706	2,928	1.0	10.4 ²	9.7 ³	10.6	0.9
E	5,620	470	2,107	1.3	10.5 ²	9.9 ³	10.8	0.9
F	6,780	1,110	2,931	1.0	11.1 ²	10.8 ³	11.8	1.0
G	7,531	778	3,158	0.9	11.5 ²	11.3 ³	12.3	1.0
H	8,111	1,479	5,538	0.5	11.7 ²	11.6 ³	12.6	1.0
I	8,622	894	3,798	0.7	12.8	12.8	13.5	0.7
J	9,414	743	6,229	0.4	12.8	12.8	13.5	0.7
K	10,614	822	3,534	0.8	13.0	13.0	13.7	0.7
L	11,594	180	1,202	2.2	13.6	13.6	14.4	0.8
M	13,134	200	1,513	1.8	15.2	15.2	16.0	0.8
N	14,134	35	391	6.9	16.5	16.5	17.1	0.6
O	15,034	148	1,922	1.4	17.6	17.6	18.6	1.0
P	16,774	136	1,810	1.5	17.7	17.7	18.7	1.0
Q	18,394	879	9,582	0.3	17.8	17.8	18.8	1.0
R	20,275	363	4,362	0.6	17.9	17.9	18.9	1.0

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Cypress Creek

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: CYPRESS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	3,100	N/A	N/A	N/A	*	1.0 ⁴	N/A	N/A
B ¹	4,157	N/A	N/A	N/A	*	1.1 ⁴	N/A	N/A
C	5,513	60	382	4.5	*	2.1 ⁴	2.5	0.4
D	7,013	241	1,020	1.7	*	3.5 ⁴	4.1	0.6
E	8,513	47	384	4.5	*	4.6 ⁴	5.2	0.6
F	10,243	100	829	2.1	9.3 ³	7.0 ⁴	7.4	0.4
G	11,751	226	789	2.0	9.7 ³	9.5 ⁴	10.1	0.6
H	12,336	81	613	2.5	9.8 ³	9.6 ⁴	10.4	0.8
I	13,636	50	440	3.5	10.2 ³	10.0 ⁴	10.9	0.9
J	16,236	88	391	4.0	12.9 ³	12.8 ⁴	13.2	0.4
K	18,036	108	744	2.1	14.4	14.4	14.6	0.2
L	19,178	341	885	1.8	14.9	14.9	15.4	0.5
M	19,587	94	399	3.9	15.1	15.1	15.7	0.6
N	20,563	63	411	3.8	15.8	15.8	16.7	0.9
O	20,993	89	557	2.8	16.2	16.2	17.0	0.8
P	22,238	789	826	1.9	16.9	16.9	17.8	0.9
Q	24,338	179	619	2.5	18.3	18.3	19.2	0.9
R	25,674	96	479	3.2	19.9	19.9	20.9	1.0
S	27,063	1,309	6,078	0.3	22.0	22.0	22.9	0.9
T	27,773	1,686	5,372	0.3	22.1	22.1	22.9	0.8
U	31,384	2,322	4,338	0.4	23.5	23.5	23.8	0.3
V	32,060	3,447	3,388	0.5	23.6	23.6	24.1	0.5
W	33,370	1,061	2,317	0.7	23.6	23.6	24.3	0.7
X	36,170	1,247	1,588	1.0	24.4	24.4	25.4	1.0

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Daughtrey Creek

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23	FEDERAL EMERGENCY MANAGEMENT AGENCY		FLOODWAY DATA
	LEE COUNTY, FLORIDA		
	AND INCORPORATED AREAS		
FLOODING SOURCE: DAUGHTREY 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	0	109	493	1.6	*	3.5 ³	4.5	1.0
B	687	38	299	2.4	*	5.3 ³	6.2	0.9
C	1,914	80	512	1.4	9.4 ²	7.0 ³	8.0	1.0
D	3,369	171	922	0.8	10.0 ²	10.0 ³	10.5	0.5
E	4,352	224	513	1.4	11.3	11.3	12.3	1.0
F	5,352	195	528	1.3	12.6	12.6	13.5	0.9
G	6,652	410	1,140	0.6	13.3	13.3	14.2	0.9
H	7,652	130	279	2.5	14.6	14.6	15.5	0.9
I	9,952	514	1,344	0.5	15.6	15.6	16.6	1.0
J	10,796	316	510	1.4	16.6	16.6	17.4	0.8
K	11,122	765	1,657	0.4	16.8	16.8	17.7	0.9
L	12,412	200	567	1.3	19.5	19.5	19.9	0.4
M	13,042	94	641	1.1	20.0	20.0	20.6	0.6
N	14,389	2,262	6,114	0.1	20.1	20.1	20.7	0.6
O	15,117	370	751	0.8	20.1	20.1	20.9	0.8
P	15,305	1,137	3,179	0.2	20.2	20.2	21.0	0.8
Q	15,808	582	1,853	0.3	20.2	20.2	21.1	0.9
R	16,359	292	639	1.0	21.2	21.2	21.7	0.5
S	16,821	1,924	3,619	0.2	21.2	21.2	21.8	0.6
T	18,154	235	554	1.1	21.6	21.6	22.4	0.8
U	20,668	410	1,334	0.5	22.7	22.7	23.7	1.0
V	22,453	997	1,831	0.3	22.8	22.8	23.8	1.0

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and East Branch Daughtrey Creek

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: EAST BRANCH DAUGHTREY 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	0	212	256	4.7	*	3.2 ³	3.9	0.7
B	1,130	212	673	1.8	*	6.8 ³	7.8	1.0
C	1,780	238	994	1.2	8.4 ²	7.4 ³	8.4	1.0
D	2,180	249	800	1.5	11.0 ²	11.0 ³	11.9	0.9
E	3,347	50	325	3.1	12.6	12.6	13.4	0.8
F	3,844	62	419	2.4	13.0	13.0	13.8	0.8
G	5,126	122	351	2.9	14.1	14.1	14.8	0.7
H	7,950	86	461	1.9	15.1	15.1	16.1	1.0
I	10,429	237	531	1.4	15.6	15.6	16.5	0.9
J	12,180	148	325	1.8	16.9	16.9	17.5	0.6
K	13,148	81	280	2.1	17.9	17.9	18.2	0.3
L	14,358	228	749	0.7	18.0	18.0	18.8	0.8
M	15,656	72	418	1.1	18.1	18.1	19.0	0.9

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and East Branch Yellow Fever Creek

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: EAST BRANCH YELLOW FEVER 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	550	165	1,352	2.2	*	4.4 ³	4.4	0.0
B	2,050	170	1,286	2.4	*	4.7 ³	4.8	0.1
C	2,800	80	783	3.9	*	4.8 ³	5.1	0.3
D	3,800	195	1,963	1.4	*	4.9 ³	5.4	0.5
E	4,600	130	1,148	2.3	*	5.0 ³	5.5	0.5
F	5,100	150	1,413	1.9	*	5.1 ³	5.6	0.5
G	6,281	120	1,226	2.2	10.6 ²	5.3 ³	5.8	0.5
H	8,861	231	1,497	1.6	10.7 ²	6.1 ³	6.5	0.4
I	9,911	200	1,505	1.6	10.7 ²	6.3 ³	6.7	0.4
J	11,024	94	1,018	2.4	10.7 ²	6.4 ³	6.8	0.4
K	13,511	325	1,874	1.3	10.8 ²	6.9 ³	7.3	0.4
L	14,511	185	1,020	2.4	10.8 ²	7.2 ³	7.6	0.4
M	15,745	90	915	2.7	10.8 ²	7.7 ³	8.0	0.3
N	17,855	64	557	3.4	10.8 ²	8.3 ³	8.6	0.3
O	19,251	653	1,972	1.0	10.8 ²	8.9 ³	9.1	0.2
P	20,265	137	412	4.6	11.6 ²	11.0 ³	11.0	0.0
Q	21,188	200	763	1.8	13.1 ²	12.9 ³	13.2	0.3
R	23,311	750	1,966	0.7	13.9 ²	13.9 ³	14.7	0.8
S	24,040	469	1,328	0.8	14.3 ²	14.3 ³	14.9	0.6
T	25,308	265	700	1.5	15.7 ²	15.7 ³	16.3	0.6

¹Feet above mouth

²Combined coastal and riverine effects from Estero Bay and Estero River

³Elevation computed without consideration of backwater effects from Estero Bay

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: ESTERO 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
U	26,095	781	1,869	5.5	17.2 ²	16.4 ³	16.4	0.0
V	27,820	2,670	9,667	0.5	18.5	18.5	19.1	0.6
W	28,840	818	4,426	1.0	19.6	19.6	20.4	0.8
X	29,610	1,653	8,303	0.6	19.9	19.9	20.8	0.5

¹Feet above mouth

²Combined coastal and riverine effects from Estero Bay and Estero River

³Elevation computed without consideration of backwater effects from Estero Bay

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: ESTERO 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	0	90	470	2.8	*	1.2 ³	2.2	1.0
B	804	44	226	3.9	*	3.3 ³	3.6	0.3
C	1,134	40	248	3.6	*	3.8 ³	4.0	0.2
D	2,184	19	115	7.7	9.3 ²	6.5 ³	7.2	0.7
E	2,697	26	262	3.4	9.5 ²	8.2 ³	9.0	0.8
F	4,201	130	372	1.8	10.9 ²	10.7 ³	11.1	0.4
G	5,430	17	105	6.4	14.4	14.4	14.7	0.3

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Fichter Creek

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: FICHTER 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	1,722	40	280	2.1	9.6 ²	9.0 ³	9.7	0.7
B	2,622	36	171	3.2	9.8 ²	9.3 ³	10.0	0.7
C	3,572	35	121	4.5	10.8 ²	10.5 ³	10.8	0.3
D	4,207	38	160	3.4	12.1 ²	12.1 ³	12.3	0.2
E	4,802	32	133	3.8	12.6	12.6	12.8	0.2
F	5,174	31	140	1.4	13.5	13.5	13.7	0.2
G	5,787	35	136	1.4	13.7	13.7	13.9	0.2
H	6,892	38	161	1.2	13.8	13.8	14.0	0.2
I	8,047	35	113	1.7	14.9	14.9	15.0	1.0
J	8,949	50	160	1.2	16.0	16.0	16.8	0.8
K	9,283	65	195	0.8	16.1	16.1	17.1	1.0
L	9,564	65	118	0.8	16.9	16.9	17.4	0.5
M	9,874	65	120	0.7	16.9	16.9	17.5	0.6
N	10,199	65	128	0.7	16.9	16.9	17.7	0.8
O	10,445	20	46	0.7	16.9	16.9	17.7	0.8
P	10,944	20	47	0.6	17.4	17.4	17.9	0.5
Q	11,248	21	38	0.8	17.6	17.6	18.2	0.6

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Ford Street Canal

³Elevation computed without consideration of backwater effects from Caloosahatchee River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: FORD STREET CANAL

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
MBR NO. (I,J)	CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	A	1,448	709	1,412	1.0	*	1.6 ⁴	1.8	0.2
	B	4,078	922	1,322	1.1	*	1.9 ⁴	2.1	0.2
	C	6,189	950	992	1.5	*	3.2 ⁴	3.2	0.0
	D	7,364	185	490	3.0	*	4.1 ⁴	4.1	0.0
	E	9,546	565	836	1.7	*	7.8 ⁴	7.8	0.0
	F	11,726	455	1,142	1.3	10.2 ²	8.8 ⁴	8.8	0.0
	G	13,026	900	2,570	0.6	10.3 ²	9.0 ⁴	9.0	0.0
	H	14,960	660	1,303	1.1	10.4 ²	9.7 ⁴	9.8	0.1
	I	16,124	470	1,115	1.3	10.5 ²	10.0 ⁴	10.1	0.1
	J	17,217	118	531	2.7	13.7 ²	13.7 ⁴	13.9	0.2
	K	17,380	231	1,262	1.0	13.8 ²	13.7 ⁴	14.3	0.6
	L	18,505	460	1,704	0.7	13.9 ²	13.8 ⁴	14.4	0.6
1515 (85,2) 1516 (86,2)	M	19,891	400	1,551	0.8	14.1 ³	13.9	14.5	0.6
1515 (85,2) 1516 (86,2)	N	20,007	400	1,678	1.6	14.1 ³	14.8	15.4	0.6
1631 (85,2)	O	21,287	500	1,479	0.8	14.1 ³	14.8	15.7	0.9
1746 (84,2) 1747 (85,20)	P	22,635	500	2,526	0.5	14.7 ³	16.4	17.1	0.7

¹Feet above mouth

²Combined coastal and riverine effects from Estero Bay and Halfway Creek

³The regulatory elevations were defined with the S2DMM 2D model and should be used for flood insurance and floodplain management decisions. The HEC-RAS 1D model was used to define the floodway width and the "Without Floodway" elevations do not agree with S2DMM model.

⁴Elevation computed without consideration of backwater effects from Estero River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23	FEDERAL EMERGENCY MANAGEMENT AGENCY LEE COUNTY, FLORIDA AND INCORPORATED AREAS	FLOODWAY DATA
		FLOODING SOURCE: HALFWAY 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	178	68	513	0.8	*	4.0 ²	4.5	0.5
B	1,068	18	96	2.0	*	4.0 ²	4.7	0.7
C	1,548	18	76	2.6	*	4.3 ²	5.2	0.9
D	3,238	108	191	1.0	*	6.6 ²	7.5	0.9
E	3,584	24	67	2.9	*	7.1 ²	8.0	0.9
F	3,765	402	2,289	0.1	*	8.2 ²	8.4	0.2
G	4,065	28	58	3.4	*	8.6 ²	8.8	0.2
H	4,322	54	212	0.9	10.2	10.2	11.1	0.9
I	5,195	28	116	1.7	12.7	12.7	13.0	0.3

¹Feet above mouth

²Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: HALLS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	1,000	N/A	N/A	N/A	*	0.0 ⁴	N/A	N/A
B	2,696	91	814	3.3	*	1.6 ⁴	2.2	0.6
C	4,136	226	1,943	1.2	*	2.1 ⁴	2.6	0.5
D	6,005	140	1,133	2.0	*	2.3 ⁴	2.7	0.4
E	7,435	198	1,057	0.5	*	2.5 ⁴	2.9	0.4
F	8,635	237	2,585	0.2	*	2.5 ⁴	2.9	0.4
G	9,935	153	991	0.5	*	2.5 ⁴	2.9	0.4
H	12,135	134	1,164	0.4	*	2.5 ⁴	2.9	0.4
I	13,310	68	524	1.0	*	2.5 ⁴	2.9	0.4
J	14,567	188	503	1.0	*	5.0 ⁴	5.9	0.9
K	15,626	90	288	1.3	*	5.5 ⁴	6.3	0.8
L	16,350	47	162	1.2	*	5.9 ⁴	6.8	0.9
M	17,028	29	203	1.0	8.4 ³	6.5 ⁴	7.4	0.9
N	17,409	22	216	0.9	10.8	10.8	11.4	0.6
O	19,593	50	221	0.7	10.8	10.8	11.5	0.7

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Hancock Creek

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: HANCOCK CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	1.7 ⁴	N/A	N/A
B ¹	4,600	N/A	N/A	N/A	*	1.8 ⁴	N/A	N/A
C ¹	8,600	N/A	N/A	N/A	*	1.8 ⁴	N/A	N/A
D	11,100	2,190 / 1,630 ³	7,573	0.3	*	1.9 ⁴	2.8	0.9
E	13,350	324	2,280	1.0	*	2.0 ⁴	2.9	0.9
F	17,100	250	1,725	0.8	*	2.2 ⁴	3.1	0.9
G	21,600	165	1,213	1.1	*	2.4 ⁴	3.3	0.9
H	24,300	538	644	2.1	*	2.9 ⁴	3.9	1.0
I	27,470	400	2,119	0.3	*	4.8 ⁴	5.3	0.5
J	28,539	158	1,367	0.0	*	5.2 ⁴	5.7	0.5
K	30,658	2,194	8,638	0.0	*	5.2 ⁴	5.7	0.5
L	31,176	1,633	5,601	0.0	*	5.2 ⁴	5.7	0.5
M	31,807	1,970	6,160	0.0	*	5.2 ⁴	5.7	0.5
N	34,054	745	6,664	0.0	*	5.2 ⁴	5.7	0.5
O	35,987	40	120	0.4	*	5.3 ⁴	5.8	0.5
P	36,697	57	134	0.2	*	5.3 ⁴	5.8	0.5
Q	37,526	38	82	0.3	*	5.3 ⁴	5.8	0.5

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Total width / width shown

⁴Elevation computed without consideration of backwater effects from Estero Bay

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: HENDRY 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	3,855	632	2,081	0.3	*	3.1 ²	4.0	0.9
B	5,405	54	376	1.8	*	6.9 ²	6.9	0.0
C	10,372	50	148	0.2	*	7.0 ²	7.3	0.3

¹Feet above mouth

²Elevation computed without consideration of backwater effects from Estero Bay

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: HENDRY CREEK WEST

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	222	1,296	4.4	*	2.2 ³	3.2	1.0
B	991	90	873	6.5	*	5.0 ³	5.3	0.3
C	1,667	144	941	6.1	*	6.2 ³	6.7	0.5
D	2,891	318	2,284	2.3	*	7.7 ³	8.2	0.5
E	4,391	945	5,239	1.0	*	8.2 ³	8.9	0.7
F	5,691	1,118	4,348	1.2	9.7 ²	8.5 ³	9.2	0.7
G	7,091	196	1,543	3.4	9.9 ²	9.0 ³	9.7	0.7
H	8,813	1,006	4,551	1.2	10.2 ²	9.6 ³	10.5	0.9

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Hickey Creek

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: HICKEY 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
I	11,623	170	1,134	4.3	15.4	15.4	15.7	0.3
J	27,006	96	959	2.1	21.7	21.7	22.3	0.6
K	32,808	64	837	1.0	22.1	22.1	22.7	0.6

¹Feet above mouth

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: HICKEY CREEK DRAINAGEWAY

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET) ²	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,000	130	927	5.3	*	1.3 ³	1.3	0.0
B	4,000	199	1,706	2.9	*	1.7 ³	2.0	0.3
C	5,000	210	1,507	3.3	*	1.9 ³	2.2	0.3
D	7,000	228	1,812	2.7	*	2.3 ³	2.6	0.3
E	10,000	280	2,033	2.4	*	2.8 ³	3.0	0.2
F	11,000	240	2,205	2.2	*	2.9 ³	3.1	0.2
G	13,250	255	1,854	2.7	*	3.2 ³	3.4	0.2
H	13,450	260	1,851	2.7	*	3.2 ³	3.4	0.2
I	15,000	150	1,441	3.4	*	3.4 ³	3.6	0.2
J	22,000	110	1,079	2.8	*	5.2 ³	5.6	0.4
K	23,000	150	1,060	2.9	*	5.6 ³	6.0	0.4
L	23,750	150	1,327	2.3	*	5.9 ³	6.3	0.4
M	24,150	150	1,138	2.7	*	6.4 ³	6.8	0.4
N	26,000	310	1,441	2.1	*	7.3 ³	8.0	0.7
O	27,600	296	2,081	1.5	*	8.3 ³	8.8	0.5
P	28,600	333	1,551	2.0	10.0	9.1	9.5	0.4
Q	32,700	1,200	5,407	0.6	11.8	11.8	12.3	0.5
R	33,700	1,000	5,532	0.8	12.1	12.1	12.6	0.5
S	35,000	1,140	6,961	0.8	12.7	12.7	13.4	0.7
T	37,491	1,275	5,870	1.1	13.4	13.4	14.4	1.0
U	37,820	1,500	7,520	1.5	13.7	13.7	14.6	0.9
V	40,312	1,600	4,254	0.7	14.8	14.8	15.3	0.5
W	43,174	1,500	6,099	0.5	15.9	15.9	16.3	0.4

¹Feet above mouth

²Value is inaccurate, as the floodway has been adjusted in this area to reflect more detailed and up-to-date stream channel configuration

³Elevation computed without consideration of backwater effects from Estero Bay

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23	FEDERAL EMERGENCY MANAGEMENT AGENCY LEE COUNTY, FLORIDA AND INCORPORATED AREAS	FLOODWAY DATA FLOODING SOURCE: IMPERIAL RIVER
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LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	2.5 ³	N/A	N/A
B	604	334	848	1.3	*	7.5 ³	7.9	0.4
C	754	278	1,726	0.6	*	7.6 ³	8.2	0.6
D	1,107	247	1,254	0.8	*	7.6 ³	8.2	0.6
E	1,217	226	2,068	0.4	*	7.6 ³	8.2	0.6
F	2,047	147	1,051	0.7	*	7.6 ³	8.2	0.6
G	2,436	129	516	1.2	*	7.6 ³	8.2	0.6
H	2,948	153	682	0.5	*	7.6 ³	8.3	0.7
I	3,593	147	674	1.5	*	7.6 ³	8.4	0.8
J	4,880	147	387	0.6	*	8.1 ³	9.0	0.9

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: KICKAPOO 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	0	55	194	2.7	8.3	8.3	8.3	0.0
B	970	56	295	1.6	8.8	8.8	8.8	0.0
C	2,270	61	305	1.5	9.1	9.1	9.1	0.0
D	3,930	42	190	1.7	9.4	9.4	9.4	0.0
E	5,080	40	204	1.5	9.8	9.8	9.8	0.0
F	6,890	52	232	1.4	10.4	10.4	10.5	0.1
G	7,915	30	154	1.9	11.1	11.1	11.3	0.2
H	9,210	40	196	0.6	11.6	11.6	11.8	0.2
I	11,230	40	131	1.0	14.0	14.0	14.0	0.0
J	12,330	68	274	0.1	14.0	14.0	14.0	0.0
K	12,780	43	171	0.2	14.0	14.0	14.0	0.0
L	13,430	43	184	0.2	14.0	14.0	14.0	0.0

¹Feet above mouth

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: L-3 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	837	68	418	1.7	9.3 ²	6.0 ³	6.4	0.4
B	3,611	18	126	5.1	9.4 ²	7.7 ³	8.1	0.4
C	4,225	105	556	1.2	11.8	11.8	12.6	0.8
D	4,679	185	835	0.8	11.8	11.8	12.6	0.8
E	6,569	370	1,390	0.4	11.9	11.9	12.9	1.0
F	8,569	445	709	0.6	12.3	12.3	13.2	0.9
G	10,569	250	590	0.7	12.5	12.5	13.4	0.9
H	10,965	80	437	0.9	12.9	12.9	13.9	1.0
I	11,204	60	350	1.2	13.4	13.4	14.4	1.0
J	11,452	100	462	0.9	13.9	13.9	14.9	1.0
K	12,877	700	2,513	0.2	13.9	13.9	14.9	1.0

¹Feet above mouth

²Combined coastal and riverine effects from Estero Bay and Leitner Creek

³Elevation computed without consideration of backwater effects from Estero Bay

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: LEITNER CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	0.2 ⁴	N/A	N/A
B ¹	380	N/A	N/A	N/A	*	2.0 ⁴	N/A	N/A
C	1,562	30	134	2.8	*	6.4 ⁴	6.4	0.0
D	1,799	36	182	2.0	*	7.1 ⁴	7.1	0.0
E	2,527	48	118	2.8	*	7.5 ⁴	7.5	0.0
F	2,961	38	134	2.5	*	8.3 ⁴	8.3	0.0
G	4,442	34	74	3.7	10.4 ³	10.3 ⁴	10.3	0.0
H	4,837	38	135	2.0	11.0 ³	10.9 ⁴	10.9	0.0
I	5,467	44	186	1.2	11.2	11.2	11.2	0.0
J	6,127	43	156	1.2	11.3	11.3	11.3	0.0
K	6,787	40	153	1.0	11.5	11.5	11.5	0.0
L	7,452	40	115	1.1	11.6	11.6	11.6	0.0
M	8,137	40	86	1.0	11.8	11.8	11.8	0.0
N	8,766	30	55	0.9	12.0	12.0	12.0	0.0

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Manuels Branch

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: MANUELS BRANCH

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	-0.2 ⁴	N/A	N/A
B	3,000	74	377	1.9	*	2.4 ⁴	2.8	0.4
C	4,700	52	307	2.3	*	3.1 ⁴	3.7	0.6
D	7,993	63	431	1.1	*	7.5 ⁴	7.7	0.2
E	9,268	72	343	1.4	9.1 ³	7.9 ⁴	8.0	0.1
F	11,208	50	194	0.7	10.8 ³	10.7 ⁴	11.0	0.3
G	12,599	40	208	0.7	11.9 ³	11.8 ⁴	12.0	0.2
H	13,910	44	175	0.8	11.9	11.9	12.1	0.2
I	15,237	32	158	0.9	12.9	12.9	13.8	0.9
J	16,298	32	129	1.1	13.1	13.1	13.9	0.8
K	19,194	47	126	1.1	16.0	16.0	16.9	0.9

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Marsh Point Creek

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: MARSH POINT CREEK

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
MBR NO. (I,J)	CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET / SEC)	REGULATORY ²	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
						(S2DMM)	(HEC-RAS)	(HEC-RAS)	
1053 (41,31)	A	9,500	180	1,231	0.8	*	2.7 ⁴	3.5	0.8
1051 (41,33)	B	10,250	150	1,101	0.8	*	2.8 ⁴	3.6	0.8
1051 (41,33)	C	10,353	160	1,191	0.8	*	2.8 ⁴	3.6	0.8
1049 (41,35)	D	11,506	180	1,372	0.6	*	2.9 ⁴	3.7	0.8
1045 (41,39)	E	13,306	109	891	0.9	*	3.0 ⁴	3.8	0.8
1042 (39,19)	F	14,537	46	236	1.5	10.6 ³	4.4	4.8	0.4
1038 (39,23)	G	16,980	77	195	1.2	10.6 ³	9.7	9.7	0.0
1030 (39,31)	H	20,842	64	303	0.6	14.0 ³	13.2	14.2	1.0
1027 (39,34)	I	22,489	72	354	0.5	14.0 ³	13.3	14.3	1.0
1026 (39,35)	J	22,713	30	188	0.9	14.1 ³	13.8	14.6	0.8
1024 (39,37)	K	23,936	45	279	0.4	14.2 ³	13.8	14.6	0.8

¹ Feet above mouth

² The regulatory elevations were defined with the S2DMM 2D model and should be used for flood insurance and floodplain management decisions. The HEC-RAS 1D model was used to define the floodway width and the Without Floodway elevation and does not agree with the S2DMM model

³ Combined coastal and riverine effects from Estero Bay and Mullock Creek

⁴ Elevation computed without consideration of backwater effects from Estero Bay

* Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: MULLOCK CREEK

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
MBR NO. (I,J)	CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET / SEC)	REGULATORY ²	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
						(S2DMM)	(HEC-RAS)	(HEC-RAS)	
1108 (45, 9)	A	0	180	1,473	0.5	*	3.2 ³	4.2	1.0
1106 (45,11)	B	1,545	224	1,057	0.7	*	3.3 ³	4.2	0.9
1101 (45,16)	C	3,945	103	310	1.9	*	4.5 ³	5.0	0.5
1096 (45,21)	D	6,230	340	1,029	0.5	*	5.5 ³	6.4	0.9
1095 (45,22)	E	7,158	540	1,070	0.5	*	6.1 ³	6.7	0.6
1092 (45,25)	F	8,711	99	318	1.4	*	9.0 ³	9.9	0.9
1092 (45,25)	G	8,857	52	180	2.2	*	9.4 ³	10.4	1.0
1088 (45,29)	H	10,858	43	128	1.5	13.2	11.3	12.1	0.8

¹ Feet above mouth

² The regulatory elevations were defined with the S2DMM 2D model and should be used for flood insurance and floodplain management decisions. The HEC-RAS 1D model was used to define the floodway width and the Without Floodway elevation and does not agree with the S2DMM model

³ Elevation computed without consideration of backwater effects from Estero Bay

* Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY
LEE COUNTY, FLORIDIA
AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: MULLOCK CREEK TRIBUTARY

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
MBR NO. (I,J)	CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
1575 (9,23)	A	5,200	46	170	1.8	17.5 ²	15.1	15.5	0.3
1574 (9,24)	B	5,817	55	233	1.2	17.5 ²	15.3	15.6	0.3
1572 (9,26)	C	6,617	55	253	1.1	17.5 ²	15.4	15.7	0.3
1571 (9,27)	D	7,417	53	253	1.1	17.5 ²	15.5	15.7	0.2
1569 (9,29)	E	8,217	56	264	1.1	17.6 ²	15.5	15.8	0.3
1567 (9,31)	F	9,017	53	256	1.1	17.6 ²	15.6	15.8	0.2
1566 (9,32)	G	9,817	56	269	1.0	17.6 ²	15.6	15.9	0.3

¹Feet above mouth

²The regulatory elevations were defined with the S2DMM 2D model and should be used for flood insurance and floodplain management decisions. The HEC-RAS 1D model was used to define the floodway width and the "Without Floodway" elevations do not agree with S2DMM model.

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: NORTH COLONIAL WATERWAY

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	200	70	252	4.3	*	-0.4 ³	0.3	0.7
B	2,803	50	295	3.3	*	4.1 ³	4.1	0.0
C	4,537	50	412	2.1	*	5.1 ³	5.1	0.0
D	6,472	33	257	2.8	*	5.8 ³	5.9	0.1
E	7,668	274	958	0.5	*	6.3 ³	6.5	0.2
F	8,778	40	208	2.5	9.4 ²	6.4 ³	6.5	0.1
G	12,090	30	166	3.0	10.7 ²	10.4 ³	10.9	0.5
H	12,648	135	1,447	0.3	11.0	11.0	12.0	1.0
I	13,270	263	806	0.5	11.1	11.1	12.0	0.9

¹Feet above mouth

²Combined coastal and riverine effects from Estero Bay and Oak Creek

³Elevation computed without consideration of backwater effects from Estero Bay

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: OAK CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	1,200	N/A	N/A	N/A	*	1.9 ⁴	N/A	N/A
B ¹	2,300	N/A	N/A	N/A	*	2.5 ⁴	N/A	N/A
C	4,770	200	1,974	5.3	*	4.5 ⁴	5.1	0.6
D	8,690	633	5,025	1.9	*	6.0 ⁴	6.7	0.7
E	10,740	772	5,435	1.7	*	6.4 ⁴	7.1	0.7
F	12,840	1,561	9,862	1.0	*	6.8 ⁴	7.5	0.7
G	14,640	1,559	8,838	1.1	*	7.0 ⁴	7.8	0.8
H	15,958	2,183	11,734	0.8	*	7.2 ⁴	8.0	0.8
I	16,758	1,785	8,897	1.1	*	7.3 ⁴	8.1	0.8
J	18,258	2,590	11,744	0.8	*	7.6 ⁴	8.4	0.8
K	19,058	2,770	14,135	0.7	*	7.8 ⁴	8.7	0.9
L	20,658	1,965	8,813	1.1	9.5 ³	8.0 ⁴	8.9	0.9
M	21,758	1,008	4,664	2.0	9.5 ³	8.3 ⁴	9.2	0.9
N	22,758	3,062	13,031	0.6	9.6 ³	8.6 ⁴	9.5	0.9
O	24,992	1,716	8,175	0.9	9.6 ³	9.0 ⁴	9.9	0.9
P	25,800	1,150	5,718	1.3	9.7 ³	9.2 ⁴	10.1	0.9
Q	27,300	2,316	11,646	0.7	10.0 ³	9.6 ⁴	10.6	1.0
R	28,100	3,082	14,488	0.5	10.1 ³	9.7 ⁴	10.7	1.0
S	29,024	123	1,099	6.9	10.2 ³	9.7 ⁴	10.6	0.9
T	30,507	1,751	11,314	0.7	11.4 ³	11.1 ⁴	11.8	0.7

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Orange River

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevations

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY
LEE COUNTY, FLORIDA
AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: ORANGE 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
U	32,660	1,765	8,903	0.9	12.1 ²	11.9 ³	12.8	0.9
V	34,582	3,417	18,197	0.5	12.6 ²	12.5 ³	13.4	0.9
W	35,582	1,795	12,999	0.6	12.8 ²	12.7 ³	13.6	0.9
X	36,752	1,531	7,693	1.1	13.0 ²	12.9 ³	13.8	0.9
Y	38,542	742	5,035	1.6	14.3 ²	14.3 ³	15.2	0.9
Z	39,942	1,185	8,786	0.9	15.0	15.0	16.0	1.0
AA	43,342	2,781	10,530	0.8	16.1	16.1	17.1	1.0
AB	44,050	2,263	12,982	0.6	16.8	16.8	17.7	0.9
AC	44,830	2,731	13,732	0.6	17.1	17.1	18.0	0.9

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Orange River

³Elevation computed without consideration of backwater effects from Caloosahatchee River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: ORANGE RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	-0.1 ⁴	N/A	N/A
B ¹	1,003	N/A	N/A	N/A	*	4.4 ⁴	N/A	N/A
C ¹	4,818	N/A	N/A	N/A	*	6.3 ⁴	N/A	N/A
D	6,641	125	689	1.0	10.8 ³	10.4 ⁴	10.9	0.5
E	7,451	120	388	1.8	11.3 ³	11.1 ⁴	11.4	0.3
F	9,077	148	811	1.2	18.0	18.0	19.0	1.0
G	9,582	177	887	0.3	18.0	18.0	19.0	1.0
H	10,717	169	557	0.5	18.2	18.2	19.2	1.0
I	12,282	135	251	0.2	19.8	19.8	20.7	0.9
J	12,392	115	248	0.2	20.0	20.0	21.0	1.0
K	12,632	115	225	0.2	20.0	20.0	21.0	1.0

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Owl Creek

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: OWL CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	0.0 ⁴	N/A	N/A
B	2,514	200	927	1.3	9.5 ³	9.2 ⁴	9.8	0.6
C	3,684	50	261	3.9	10.6 ³	10.4 ⁴	11.3	0.9
D	4,854	1,097	2,754	0.4	12.8 ³	12.7 ⁴	13.7	1.0
E	5,800	112	385	2.4	14.4	14.4	15.3	0.9
F	6,474	385	1,392	0.7	14.7	14.7	15.7	1.0
G	6,572	375	989	0.9	16.1	16.1	16.6	0.5
H	7,391	155	478	1.8	16.6	16.6	17.4	0.8
I	7,625	277	1,010	0.9	17.0	17.0	17.9	0.9
J	8,375	305	1,182	0.6	17.1	17.1	18.0	0.9
K	9,283	167	359	2.1	18.0	18.0	18.7	0.7
L	9,510	250	554	1.4	18.1	18.1	19.1	1.0
M	11,241	536	1,210	0.5	19.2	19.2	20.1	0.9
N	11,608	172	734	0.9	20.0	20.0	20.8	0.8
O	13,365	250	832	0.7	20.1	20.1	21.0	0.9
P	14,039	265	867	0.6	20.1	20.1	21.1	1.0
Q	15,335	400	669	0.6	20.6	20.6	21.6	1.0
R	16,325	106	241	1.6	21.6	21.6	22.5	0.9
S	17,295	152	414	0.9	22.4	22.4	23.4	1.0

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Palm Creek

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: PALM CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	-0.1 ⁴	N/A	N/A
B ¹	1,225	N/A	N/A	N/A	*	1.4 ⁴	N/A	N/A
C ¹	2,025	N/A	N/A	N/A	*	2.1 ⁴	N/A	N/A
D ¹	2,925	N/A	N/A	N/A	*	2.5 ⁴	N/A	N/A
E ¹	3,925	N/A	N/A	N/A	*	2.8 ⁴	N/A	N/A
F ¹	4,830	N/A	N/A	N/A	*	3.5 ⁴	N/A	N/A
G	5,660	40	363	3.5	*	4.1 ⁴	5.0	0.9
H	7,675	60	266	4.2	*	6.1 ⁴	7.0	0.9
I	8,576	86	466	2.4	*	7.0 ⁴	8.0	1.0
J	11,612	44	219	5.1	12.4 ³	12.3 ⁴	13.2	0.9
K	13,218	132	621	1.8	14.0 ³	14.0 ⁴	15.0	1.0
L	14,519	48	242	4.7	15.7 ³	15.7 ⁴	16.5	0.8
M	15,920	40	255	4.4	18.3	18.3	19.3	1.0
N	16,845	600	1,839	0.6	19.4	19.4	20.4	1.0
O	18,469	500	1,642	0.7	20.0	20.0	20.9	0.9
P	19,202	350	976	1.2	20.2	20.2	21.1	0.9
Q	19,793	500	1,307	0.9	20.4	20.4	21.3	0.9
R	20,375	850	1,434	0.8	20.7	20.7	21.5	0.8
S	21,357	1,200	1,603	0.7	21.1	21.1	22.0	0.9
T	22,213	1,074	1,753	0.7	21.5	21.5	22.5	1.0

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Palm Creek

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: POPASH 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
U	22,368	1,197	2,083	0.6	21.6	21.6	22.6	1.0
V	23,529	600	1,060	1.2	22.6	22.6	23.5	0.9
W	24,085	1,100	1,316	0.9	23.1	23.1	24.0	0.9
X	24,684	1,087	1,176	1.1	23.7	23.7	24.2	0.5
Y	25,927	2,000	3,224	0.4	23.7	23.7	24.7	1.0
Z	27,224	943	1,435	0.9	24.4	24.4	25.3	0.9
AA	29,526	1,077	2,572	0.5	25.1	25.1	26.1	1.0

¹Feet above mouth

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: POPASH CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	200	N/A	N/A	N/A	*	0.9 ⁴	N/A	N/A
B ¹	1,400	N/A	N/A	N/A	*	2.7 ⁴	N/A	N/A
C	2,400	450	1,393	2.3	*	4.7 ⁴	5.2	0.5
D	3,674	350	2,214	1.2	*	6.6 ⁴	7.5	0.9
E	4,573	635	2,883	0.9	*	6.7 ⁴	7.7	1.0
F	5,373	652	3,368	0.8	*	6.9 ⁴	7.9	1.0
G	7,116	305	1,443	1.7	*	8.0 ⁴	8.7	0.7
H	8,582	75	457	4.3	9.9 ³	9.2 ⁴	10.1	0.9
I	8,935	32	447	4.4	10.7 ³	10.5 ⁴	11.1	0.6
J	10,768	600	1,811	1.1	11.1 ³	11.0 ⁴	11.9	0.9
K	11,038	560	1,231	1.6	11.5 ³	11.4 ⁴	12.0	0.6
L	11,243	500	1,713	1.2	11.6 ³	11.5 ⁴	12.2	0.7
M	12,212	500	1,413	1.4	11.9 ³	11.9 ⁴	12.8	0.9

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Powell Creek

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: POWELL 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
N	12,370	85	503	0.5	11.9 ²	11.9 ³	12.8	0.9
O	12,829	90	477	0.5	11.9 ²	11.9 ³	12.8	0.9
P	13,398	82	491	0.5	12.0 ²	11.9 ³	12.9	1.0
Q	14,787	79	511	0.4	12.0 ²	11.9 ³	12.9	1.0
R	16,187	80	394	0.5	12.0	12.0	12.9	0.9
S	17,606	38	422	0.5	12.0	12.0	12.9	0.9
T	19,308	117	233	0.7	12.1	12.1	13.0	0.9
U	21,432	38	69	1.2	15.4	15.4	15.4	0.0
V	22,732	45	78	1.1	15.7	15.7	15.8	0.1
W	24,682	50	54	1.5	16.9	16.9	16.9	0.0
X	25,702	52	140	0.6	17.0	17.0	17.0	0.0
Y	27,382	54	88	0.9	17.5	17.5	17.5	0.0
Z	29,982	51	59	0.7	18.0	18.0	18.1	0.1
AA	32,632	52	59	0.7	18.5	18.5	18.5	0.0
AB	36,282	44	35	1.1	19.9	19.9	19.9	0.0

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Powell Creek

³Elevation computed without consideration of backwater effects from Caloosahatchee River

TABLE 23	FEDERAL EMERGENCY MANAGEMENT AGENCY LEE COUNTY, FLORIDA AND INCORPORATED AREAS	FLOODWAY DATA
		FLOODING SOURCE: POWELL BYPASS

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	155	150	1,115	4.5	12.8 ²	12.3 ³	12.8	0.5
B	1,390	1,500	5,865	0.7	13.2 ²	12.9 ³	13.4	0.5
C	2,690	900	3,859	1.1	13.3 ²	13.1 ³	13.6	0.5
D	4,003	889	2,902	1.4	13.9 ²	13.7 ³	14.5	0.8
E	5,517	700	3,197	1.3	14.4 ²	14.3 ³	15.1	0.8
F	7,855	1,200	4,348	0.9	14.9 ²	14.9	15.5	0.6
G	8,743	922	3,111	1.3	15.3	15.3	15.8	0.5
H	10,703	1,700	5,967	0.7	16.0	16.0	16.3	0.3
I	11,403	1,700	6,083	0.7	16.0	16.0	16.3	0.3
J	12,413	1,900	7,363	0.6	16.5	16.5	16.7	0.2
K	13,677	1,757	6,659	0.6	16.6	16.6	16.8	0.2
L	14,977	371	1,396	2.9	17.4	17.4	17.8	0.4
M	16,507	1,250	5,762	0.7	17.7	17.7	18.2	0.5
N	21,317	1,100	5,729	0.7	18.5	18.5	19.2	0.7
O	24,000	1,863	9,257	0.4	18.6	18.6	19.3	0.7
P	26,785	1,600	6,868	0.5	18.6	18.6	19.3	0.7
Q	30,435	2,000	8,331	0.2	18.7	18.7	19.4	0.7
R	33,115	1,850	6,307	0.3	18.8	18.8	19.4	0.6
S	37,430	1,600	8,282	0.2	21.4	21.4	21.9	0.5
T	39,830	1,000	4,111	0.4	21.4	21.4	21.9	0.5
U	42,689	2,678	7,923	0.2	21.6	21.6	22.1	0.5
V	44,739	1,978	8,418	0.1	21.6	21.6	22.1	0.5
W	46,197	522	1,871	0.6	21.6	21.6	22.3	0.7
X	47,397	500	2,318	0.5	21.7	21.7	22.7	1.0

¹Feet above mouth

²Combined coastal and riverine effects from Estero River and Six Mile Cypress Slough

³Elevation computed without consideration of backwater effects from Estero River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SIX MILE CYPRESS SLOUGH

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
MBR NO. (I,J)	CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
7072 (4,77)	A	0	317	1,747	0.3	13.7	11.4 ²	12.4	1.0
7072 (4,77)	B	1,471	196	934	0.6	13.7	11.4 ²	12.4	1.0
6932 (4,79)	C	1,493	237	902	0.7	13.7	11.4 ²	12.4	1.0
6931 (4,80)	D	2,629	564	722	0.8	13.7	11.7 ²	12.6	0.9
6930 (4,81)	E	3,009	120	588	0.7	13.7	11.7 ²	12.6	0.9
6928 (4,83)	F	4,373	173	574	0.6	13.7	11.8 ²	12.7	0.9
6927 (4,84)	G	5,333	150	395	0.9	14.5 ³	12.1	12.9	0.8
6925 (4,86)	H	6,393	411	862	0.5	14.9 ³	12.5	13.2	0.7
6924 (4,87)	I	7,673	634	702	0.7	15.3 ³	13.7	14.3	0.6
6923 (4,88)	J	8,505	659	546	0.9	15.4 ³	13.9	14.4	0.5
6922 (4,89)	K	9,432	534	534	0.8	15.4 ³	14.4	15.0	0.6
6921 (4,90)	L	10,432	686	1,257	0.4	15.4 ³	14.8	15.3	0.5
6921 (4,90)	M	11,185	584	749	0.6	15.4 ³	14.9	15.4	0.5

¹Feet above confluence with Estero River

²Elevation computed without consideration of backwater effects from Estero River

³The regulatory elevations were defined with the S2DMM 2D model and should be used for flood insurance and floodplain management decisions. The HEC-RAS 1D model was used to define the floodway width and the "Without Floodway" elevations do not agree with S2DMM model.

TABLE 23	FEDERAL EMERGENCY MANAGEMENT AGENCY LEE COUNTY, FLORIDA AND INCORPORATED AREAS	FLOODWAY DATA
		FLOODING SOURCE: SOUTH BRANCH

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	46	273	0.9	12.6 ²	12.4 ³	13.4	1.0
B	1,170	70	255	0.9	12.7 ²	12.5 ³	13.5	1.0
C	2,930	50	234	1.0	12.8 ²	12.7 ³	13.6	0.9
D	4,122	44	250	0.9	18.4 ²	18.4	18.4	0.0

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Spanish Canal

³Elevation computed without consideration of backwater effects from Caloosahatchee River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SPANISH 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	0	42	231	9.7	*	2.2 ³	3.2	1.0
B	916	195	767	2.9	*	8.1 ³	8.6	0.5
C	2,081	312	1,313	1.5	*	9.3 ³	10.2	0.9
D	4,446	89	546	3.7	11.6 ²	11.3 ³	12.2	0.9
E	4,590	41	240	8.4	12.1 ²	11.8 ³	12.4	0.6
F	4,841	465	1,238	1.6	13.8 ²	13.8 ³	14.1	0.3
G	6,481	714	1,741	1.2	15.5 ²	15.5 ³	16.1	0.6
H	7,331	1,199	3,321	0.6	16.0	16.0	16.8	0.8
I	9,075	1,200	3,056	0.7	17.0	17.0	17.6	0.6
J	10,685	1,400	3,342	0.6	17.5	17.5	18.5	1.0
K	12,191	1,320	2,793	0.8	19.1	19.1	20.0	0.9
L	13,281	1,320	3,792	0.2	19.2	19.2	20.2	1.0

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Spanish Creek

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SPANISH 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	3,036	681 / 276 ²	3,102	1.1	*	1.7 ³	2.5	0.8
B	5,636	366	2,136	1.6	*	3.2 ³	4.1	0.9
C	8,236	325	2,663	1.2	*	3.5 ³	4.4	0.9
D	10,236	130	1,139	2.9	*	3.8 ³	4.7	0.9
E	11,836	245	2,045	1.1	*	4.1 ³	5.1	1.0
F	13,136	795	4,916	0.4	*	4.1 ³	5.1	1.0
G	14,336	388	2,489	0.9	*	4.1 ³	5.0	0.9
H	15,336	207	1,586	1.4	*	4.3 ³	5.2	0.9
I	16,636	121	951	2.3	*	4.4 ³	5.3	0.9
J	17,936	75	676	3.2	*	4.7 ³	5.6	0.9
K	19,911	148	1,153	1.9	*	5.3 ³	6.3	1.0
L	22,986	279	1,333	1.3	*	7.8 ³	8.6	0.8
M	24,207	530	1,790	0.9	10.3	10.3	11.1	0.8
N	25,960	55	389	3.8	11.1	11.1	12.0	0.9
O	26,027	51	396	3.7	13.0	13.0	13.6	0.6
P	26,959	428	970	1.4	13.4	13.4	14.2	0.8
Q	27,988	950	2,711	0.5	13.4	13.4	14.4	1.0

¹Feet above mouth

²Total width / width shown

³Elevation computed without consideration of backwater effects from Estero Bay

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY
LEE COUNTY, FLORIDA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SPRING 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	1,180	404	2,018	0.6	13.4	13.4	14.4	1.0
B	2,590	650	1,960	0.5	13.7	13.7	14.7	1.0
C	3,961	134	505	2.0	15.0	15.0	15.9	0.9
D	5,511	255	873	1.1	16.8	16.8	17.8	1.0
E	7,611	751	2,146	0.5	17.9	17.9	18.8	0.9

¹Feet above mouth

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY
LEE COUNTY, FLORIDA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: STRICKLIN GULLY

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	0.0 ³	N/A	N/A
B ¹	1,850	N/A	N/A	N/A	*	1.8 ³	N/A	N/A
C	2,880	168	673	2.6	*	2.7 ³	3.1	0.4
D	5,971	359	1,464	1.2	*	7.5 ³	8.1	0.6
E	7,544	76	363	4.8	*	9.1 ³	9.6	0.5
F	8,537	554	743	2.0	12.5	12.5	13.3	0.8
G	9,867	275	1,014	1.5	14.4	14.4	15.3	0.9
H	10,637	588	1,593	1.0	14.9	14.9	15.8	0.9
I	11,767	675	1,088	1.4	16.7	16.7	17.5	0.8
J	13,067	750	2,094	0.7	17.9	17.9	18.7	0.8
K	14,569	833	1,448	1.1	19.4	19.4	19.9	0.5
L	15,578	404	998	1.5	20.0	20.0	20.6	0.6
M	15,969	931	2,775	0.5	20.5	20.5	21.2	0.7
N	17,374	875	2,562	0.5	20.7	20.7	21.7	1.0
O	19,629	1,086	2,858	0.5	21.4	21.4	22.0	0.6
P	21,714	1,060	2,673	0.5	21.6	21.6	22.4	0.8
Q	22,228	1,299	2,398	0.5	22.8	22.8	23.8	1.0
R	23,514	1,600	3,410	0.3	23.1	23.1	24.1	1.0

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: STROUD 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	0	500	1,541	6.9	*	5.2 ³	5.2	0.0
B	1,790	823	4,795	2.2	*	8.3 ³	9.2	0.9
C	3,153	330	2,313	4.6	10.2 ²	9.5 ³	9.8	0.3
D	4,430	310	2,804	3.8	10.9 ²	10.4 ³	11.3	0.9
E	5,718	962	6,465	1.7	11.7 ²	11.4 ³	12.4	1.0
F	7,755	330	2,737	3.9	12.4 ²	12.2 ³	13.1	0.9
G	9,211	590	4,105	2.6	14.8 ²	14.7 ³	15.5	0.8
H	9,462	940	5,776	1.9	15.0	15.0	16.0	1.0
I	10,932	732	5,860	1.9	15.9	15.9	16.9	1.0
J	12,088	750	4,689	2.5	16.6	16.6	17.5	0.9
K	13,430	902	7,845	1.5	17.7	17.7	18.6	0.9
L	15,528	1,220	7,356	0.1	17.9	17.9	18.9	1.0
M	16,847	1,882	9,354	0.1	17.9	17.9	18.9	1.0
N	17,307	1,566	9,742	0.1	17.9	17.9	18.9	1.0

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Telegraph Creek

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: TELEGRAPH CREEK

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
MBR NO. (I,J)	CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
1562 (7,10)	A	800	442	1,194	3.5	*	1.6 ³	2.1	0.6
1550	B	7,000	209	3,674	1.1	*	6.0 ³	6.4	0.4
1547	C	8,500	164	1,566	2.7	*	6.2 ³	6.8	0.6
1543 (26,10)	D	10,490	111	805	5.2	*	7.1 ³	7.2	0.1
1539 (30,10)	E	12,491	227	2,153	2.0	*	7.8 ³	8.6	0.8
1532 (37,10)	F	16,000	83	744	4.8	10.2 ²	9.0	9.6	0.6
1523 (46,10)	G	20,500	82	781	2.7	11.5 ²	10.4	10.8	0.4
1517 (52,10)	H	23,500	102	1,040	1.9	11.8 ²	10.8	11.1	0.3
1510 (59,10)	I	27,000	92	738	2.7	12.5 ²	11.3	11.6	0.3
1504 (65,10)	J	30,000	66	523	2.3	13.0 ²	12.0	12.2	0.2
1498 (71,10)	K	33,330	84	527	2.3	13.6 ²	12.5	12.7	0.2
1493 (76,10)	L	35,500	77	668	1.8	13.9 ²	12.8	13.0	0.2
1486 (83,10)	M	39,000	76	485	2.5	14.2 ²	13.1	13.3	0.2
1481 (88,10)	N	41,500	83	529	1.6	14.9 ²	13.5	13.6	0.1
1479 (88,12)	O	42,500	113	616	1.0	15.0 ²	13.7	13.8	0.1
1476 (88,15)	P	44,000	62	298	2.1	15.1 ²	14.0	14.1	0.1
1474 (88,17)	Q	45,000	81	430	1.4	15.2 ²	14.2	14.2	0.0
1468 (88,23)	R	48,000	49	253	1.6	15.8 ²	14.4	14.4	0.0
1454 (88,37)	S	54,930	22	68	0.5	15.9 ²	14.5	14.6	0.1

¹Feet above confluence mouth

²The regulatory elevations were defined with the S2DMM 2D model and should be used for flood insurance and floodplain management decisions. The HEC-RAS 1D model was used to define the floodway width and the "Without Floodway" elevations do not agree with S2DMM model.

³Elevation computed without consideration of backwater effects from Estero Bay

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY
LEE COUNTY, FLORIDA
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: TEN MILE CANAL

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	2,944	N/A	N/A	N/A	*	5.0 ⁴	N/A	N/A
B ¹	5,344	N/A	N/A	N/A	*	5.6 ⁴	N/A	N/A
C ¹	6,709	N/A	N/A	N/A	*	5.9 ⁴	N/A	N/A
D ¹	9,347	N/A	N/A	N/A	*	6.6 ⁴	N/A	N/A
E ¹	10,800	N/A	N/A	N/A	*	9.2 ⁴	N/A	N/A
F	15,216	1,191	4,019	1.1	11.8 ³	11.7 ⁴	12.7	1.0
G	16,366	654	2,445	1.8	12.9	12.9	13.8	0.9
H	18,151	1,053	2,817	0.6	14.4	14.4	14.9	0.5
I	19,839	1,090	1,276	1.2	16.3	16.3	17.0	0.7
J	20,799	2,580	1,558	0.7	17.9	17.9	18.3	0.4
K	21,708	2,575	2,449	0.4	19.0	19.0	19.3	0.3
L	23,137	1,703	1,528	0.7	20.3	20.3	21.0	0.7

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Trout Creek/Curry Lake Canal

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23	FEDERAL EMERGENCY MANAGEMENT AGENCY LEE COUNTY, FLORIDA AND INCORPORATED AREAS	FLOODWAY DATA FLOODING SOURCE: TROUT CREEK / CURRY LAKE CANAL
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LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A ¹	0	N/A	N/A	N/A	*	-0.2 ⁴	N/A	N/A
B	642	38	195	2.3	*	4.2 ⁴	4.2	0.0
C	1,775	34	67	5.8	8.3 ³	6.7 ⁴	6.7	0.0
D	1,985	40	127	3.1	8.7 ³	8.1 ⁴	8.1	0.0
E	3,575	49	120	2.4	9.3 ³	8.9 ⁴	8.9	0.0
F	4,917	40	145	2.0	9.9 ³	9.6 ⁴	9.6	0.0
G	5,487	44	154	1.7	10.2 ³	10.0 ⁴	10.0	0.0
H	5,987	39	166	1.5	10.5 ³	10.3 ⁴	10.3	0.0
I	7,147	35	150	1.3	10.9 ³	10.7 ⁴	10.7	0.0
J	7,974	40	153	1.0	11.2 ³	11.0 ⁴	11.0	0.0
K	8,319	43	141	1.0	11.3 ³	11.2 ⁴	11.2	0.0
L	9,139	13	94	1.1	11.4 ³	11.3 ⁴	11.3	0.0
M	9,773	39	82	0.8	11.6 ³	11.4 ⁴	11.4	0.0
N	10,463	29	98	0.4	11.6 ³	11.5 ⁴	11.5	0.0
O	10,764	41	135	0.3	11.6 ³	11.5 ⁴	11.5	0.0
P	11,098	49	66	0.1	11.6 ³	11.5 ⁴	11.5	0.0
Q	11,189	16	3	1.1	11.7 ³	11.6 ⁴	11.6	0.0

¹Floodway not computed/shown for this cross section

²Feet above mouth

³Combined coastal and riverine effects from Caloosahatchee River and Winkler Canal

⁴Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: WINKLER 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	0	115	740	0.9	*	1.6 ³	2.6	1.0
B	700	115	743	0.9	*	1.6 ³	2.6	1.0
C	1,125	57	295	2.3	*	1.7 ³	2.6	0.9
D	2,425	57	260	2.6	*	2.5 ³	3.1	0.6
E	4,220	50	357	1.9	*	3.5 ³	4.0	0.5
F	5,474	60	222	2.8	*	4.2 ³	4.5	0.3
G	7,192	60	247	1.5	8.4 ²	6.0 ³	6.2	0.2
H	9,701	52	157	2.3	8.5 ²	7.2 ³	7.3	0.1
I	10,631	194	317	1.1	8.7 ²	7.7 ³	7.7	0.0
J	11,506	60	320	1.5	8.8 ²	7.9 ³	8.0	0.1
K	13,170	28	99	2.6	10.4 ²	10.2 ³	10.3	0.1
L	14,200	18	122	2.1	11.5 ²	11.4 ³	11.7	0.3

¹Feet above mouth

²Combined coastal and riverine effects from Caloosahatchee River and Yellow Fever Creek

³Elevation computed without consideration of backwater effects from Caloosahatchee River

*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: YELLOW FEVER 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 aerial 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 these criteria (determined for the 1-percent-annual-chance flood condition):

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

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

Table 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 (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
1	✓	N/A	VE 9-13 AE 7-9	PFD	SWEL
2	✓	N/A	VE 9-12 AE 7-9	PFD	SWEL
3	✓	N/A	VE 9-12 AE 7-8	PFD	SWEL
4	✓	N/A	VE 9-12 AE 7-8	PFD	N/A
5	✓	VE 13 AO 3	VE 9-13 AE 7-8	PFD	SWEL
6	✓	VE 12 AO 2	VE 9-12 AE 7-8	PFD	SWEL
7	✓	VE 13 AO 1	VE 9-12 AE 7	PFD	SWEL
8	✓	N/A	VE 9-12 AE 7-8	PFD	SWEL
9	✓	N/A	VE 9-11 AE 7-8	PFD	N/A
10	✓	N/A	VE 9-11 AE 7-8	PFD	SWEL
11	✓	N/A	VE 9-11 AE 6-7	PFD	SWEL
12	✓	N/A	VE 9 AE 6	PFD	SWEL
13	✓	N/A	VE 8-11 AE 6-7	PFD	SWEL
14	✓	N/A	VE 8-11 AE 6-9	PFD	SWEL
15	✓	N/A	VE 8-12 AE 6-10	PFD	SWEL
16	✓	N/A	VE 8-12 AE 7-9	PFD	SWEL
17	✓	N/A	VE 8-12 AE 7-10	PFD	SWEL
18	✓	N/A	VE 8-12 AE 7-9	PFD	N/A

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
19	✓	N/A	VE 9-12 AE 8	PFD	N/A
20	✓	N/A	VE 9-12 AE 8-9	PFD	N/A
21	✓	N/A	VE 9-10 AE 7-8	PFD	N/A
22	✓	N/A	VE 9-11 AE 7-8	PFD	SWEL
23	✓	N/A	VE 9-11 AE 7-9	PFD	SWEL
24	✓	N/A	VE 9-12 AE 7-9	PFD	SWEL
25	✓	N/A	VE 9-12 AE 8	PFD	N/A
26	✓	N/A	VE 9-12 AE 8-9	PFD	N/A
27	✓	N/A	VE 8-10 AE 6-7	PFD	SWEL
28	✓	N/A	VE 8-12 AE 7-8	PFD	SWEL
29	✓	N/A	VE 8-12 AE 7-8	PFD	SWEL
30	✓	N/A	VE 8-12 AE 7-8	PFD	SWEL
31	✓	N/A	VE 8-12 AE 6-9	PFD	SWEL
32	✓	VE 11 AO 3	VE 8-12 AE 6-7	Runup	SWEL
33	✓	VE 10 AO 3	VE 8-12 AE 7-8	Runup	SWEL
34	✓	N/A	VE 8-12 AE 6-7	PFD	SWEL
35	✓	N/A	VE 10-12 AE 6-7	PFD	SWEL
36	✓	N/A	VE 10-12 AE 6-8	PFD	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
37	✓	N/A	VE 9-12 AE 6-8	PFD	SWEL
38	✓	N/A	VE 9-11 AE 7-9	PFD	SWEL
39	✓	N/A	VE 9-12 AE 7-9	PFD	N/A
40	✓	N/A	VE 9-12 AE 7-9	PFD	SWEL
41	✓	N/A	VE 9-12 AE 7-10	PFD	N/A
42	✓	N/A	VE 9-13 AE 6-10	PFD	SWEL
43	✓	N/A	VE 9-13 AE 6-10	PFD	SWEL
44	✓	N/A	VE 9-13 AE 6-10	PFD	N/A
45	✓	N/A	VE 9-13 AE 7-10	PFD	N/A
46	✓	N/A	VE 9-13 AE 7-10	PFD	N/A
47	✓	N/A	VE 9-13 AE 7-9	PFD	N/A
48	✓	N/A	VE 9-13 AE 7-9	PFD	SWEL
49	✓	N/A	VE 9-13 AE 7-10	PFD	SWEL
50	✓	VE 14 AO 3	VE 10-14 AE 7-9	PFD	SWEL
51	✓	VE 13 AO 3	VE 10-14 AE 7-9	PFD	SWEL
52	✓	N/A	VE 10-14 AE 7-10	PFD	SWEL
53	✓	N/A	VE 9-14 AE 7-11	PFD	N/A
54	✓	N/A	VE 9-14 AE 7-11	Wave Height	N/A
55	✓	N/A	VE 10-14 AE 8-11	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
56	✓	N/A	VE 10-14 AE 8-11	Wave Height	N/A
57	✓	N/A	VE 10-14 AE 8-11	Wave Height	SWEL
58	✓	N/A	VE 10-15 AE 8-11	Wave Height	SWEL
59	✓	N/A	VE 10-15 AE 8-11	Wave Height	N/A
60	✓	N/A	VE 10-15 AE 8-11	Wave Height	N/A
61	✓	N/A	VE 10-15 AE 8-11	Wave Height	N/A
62	✓	N/A	VE 11-15 AE 9-12	Wave Height	N/A
63	✓	N/A	VE 11-15 AE 9-12	Wave Height	N/A
64	✓	N/A	VE 12-15 AE 9-12	Wave Height	N/A
65	✓	N/A	VE 11-15 AE 11	Wave Height	N/A
66	✓	N/A	VE 11-13 AE 11	Wave Height	N/A
67		N/A	VE 11-13 AE 11	Wave Height	N/A
68		N/A	VE 11-15 AE 10-12	Wave Height	N/A
69		N/A	VE 12 AE 9-10	Wave Height	N/A
70		N/A	VE 11,13,15 AE 9-11	Wave Height	N/A
71		N/A	VE 11 AE 9-11	Wave Height	N/A
72		N/A	VE 10-11 AE 8-10	Wave Height	N/A
73		N/A	VE 10 AE 8-9	Wave Height	N/A
74		N/A	VE 10 AE 8-9	Wave Height	N/A

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
75		N/A	VE 10 AE 8	Wave Height	N/A
76		N/A	VE 10 AE 8-9	Wave Height	N/A
77		N/A	VE 9-10 AE 8-11	Wave Height	N/A
78		N/A	VE 9-15 AE 8-11	Wave Height	N/A
79		N/A	VE 9 AE 7-9	Wave Height	N/A
80		N/A	VE 10-12 AE 7-10	Wave Height	N/A
81		N/A	VE 9-11 AE 7-9	Wave Height	N/A
82		N/A	VE 9 AE 7-8	Wave Height	N/A
83		N/A	VE 9-10 AE 7-8	Wave Height	SWEL
84		N/A	VE 8-11 AE 7-8	Wave Height	SWEL
85		N/A	VE 8-10 AE 6-8	Wave Height	SWEL
86		N/A	VE 9-10 AE 6-7	Wave Height	SWEL
87		N/A	VE 9-12 AE 8	Wave Height	N/A
88		N/A	VE 9-10 AE 7-8	Wave Height	N/A
89		N/A	VE 9-10 AE 8	Wave Height	N/A
90		N/A	VE 9 AE 8	Wave Height	SWEL
91		N/A	VE 9 AE 8	Wave Height	SWEL
92		N/A	VE 9 AE 7-8	Wave Height	N/A
93		N/A	VE 8-11 AE 6-9	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
94		VE 9 AO 2	VE 9 AE 6-7	Wave Height	N/A
95		N/A	VE 9-13 AE 7	Wave Height	N/A
96		N/A	VE 9 AE 7-8	Wave Height	N/A
97		N/A	VE 9-12 AE 7-8	Wave Height	N/A
98		N/A	VE 9-10 AE 7-9	Wave Height	N/A
99		N/A	VE 10-11 AE 8-10	Wave Height	SWEL
100		N/A	VE 10-11 AE 8, 10	Wave Height	SWEL
101		N/A	VE 10-11 AE 8-9	Wave Height	SWEL
102		N/A	VE 10-11 AE 8-9	Wave Height	SWEL
103		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
104		N/A	VE 11 AE 7-9	Wave Height	SWEL
105		N/A	VE 11 AE 7-9	Wave Height	SWEL
106		N/A	VE 11 AE 7-9	Wave Height	SWEL
107		N/A	VE 11 AE 7-9	Wave Height	SWEL
108		N/A	VE 11 AE 7-9	Wave Height	SWEL
109		N/A	VE 9-11 AE 7-9	Wave Height	SWEL
110		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
111		N/A	VE 10 AE 7-9	Wave Height	SWEL
112		N/A	VE 10 AE 7-9	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
113		N/A	VE 10 AE 7-9	Wave Height	SWEL
114		N/A	VE 10 AE 7-9	Wave Height	SWEL
115		N/A	VE 10 AE 7-9	Wave Height	SWEL
116		N/A	VE 10 AE 7-9	Wave Height	SWEL
117		N/A	VE 10 AE 7-9	Wave Height	SWEL
118		N/A	VE 10 AE 7-9	Wave Height	SWEL
119		N/A	VE 10 AE 7-9	Wave Height	SWEL
120		N/A	VE 10 AE 7-9	Wave Height	SWEL
121		N/A	VE 9-10 AE 7-9	Wave Height	N/A
122		N/A	VE 9-10 AE 7-9	Wave Height	N/A
123		N/A	VE 10 AE 7-9	Wave Height	N/A
124		N/A	VE 9 AE 7-9	Wave Height	SWEL
125		N/A	VE 9 AE 7-9	Wave Height	SWEL
126		N/A	VE 9 AE 7-8	Wave Height	SWEL
127		N/A	VE 9 AE 7-8	Wave Height	SWEL
128		N/A	VE 10 AE 7-8	Wave Height	SWEL
129		N/A	VE 9 AE 7-8	Wave Height	SWEL
130		N/A	VE 9 AE 7-8	Wave Height	SWEL
131		N/A	VE 9 AE 7-8	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
132		N/A	VE 9 AE 7-8	Wave Height	SWEL
133		N/A	VE 9 AE 7-8	Wave Height	SWEL
134		N/A	VE 9 AE 7-8	Wave Height	N/A
135		N/A	VE 9 AE 7-8	Wave Height	SWEL
136		N/A	VE 10 AE 7-8	Wave Height	SWEL
137		N/A	VE 10 AE 7-8	Wave Height	SWEL
138		N/A	VE 9 AE 7-8	Wave Height	N/A
139		N/A	VE 9 AE 7-8	Wave Height	N/A
140		N/A	VE 9 AE 7-8	Wave Height	N/A
141		N/A	VE 9 AE 7-8	Wave Height	N/A
142		N/A	VE 9 AE 7-8	Wave Height	N/A
143		N/A	VE 9 AE 7-8	Wave Height	N/A
144		N/A	VE 9 AE 7-8	Wave Height	SWEL
145		N/A	VE 9 AE 7-8	Wave Height	N/A
146		N/A	VE 9 AE 7-8	Wave Height	N/A
147		N/A	VE 10 AE 7-9	Wave Height	N/A
148		N/A	VE 10 AE 7-9	Wave Height	N/A
149		N/A	VE 10 AE 8-9	Wave Height	N/A
150		N/A	VE 10-11 AE 8-9	Wave Height	N/A

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
151		N/A	VE 11 AE 8-9	Wave Height	SWEL
152		N/A	VE 10-11 AE 8-10	Wave Height	SWEL
153		N/A	VE 10-11 AE 8-10	Wave Height	SWEL
154		N/A	VE 10-11 AE 8-10	Wave Height	SWEL
155		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
156		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
157		N/A	VE 10-11 AE 7-9	Wave Height	N/A
158		N/A	VE 10-11 AE 7-9	Wave Height	N/A
159		N/A	VE 10-11 AE 7-9	Wave Height	N/A
160		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
161		N/A	VE 11 AE 8-9	Wave Height	N/A
162		N/A	VE 11 AE 7-9	Wave Height	SWEL
163		N/A	VE 11 AE 8-9	Wave Height	N/A
164		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
165		N/A	VE 10-11 AE 8-9	Wave Height	SWEL
166		N/A	VE 10 AE 8-9	Wave Height	SWEL
167		N/A	VE 10 AE 8-9	Wave Height	SWEL
168		N/A	VE 10 AE 8-9	Wave Height	SWEL
169		N/A	VE 10 AE 8-9	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
170		N/A	VE 10 AE 8-9	Wave Height	SWEL
171		N/A	VE 10 AE 8-9	Wave Height	N/A
172		N/A	VE 10 AE 8-9	Wave Height	SWEL
173		N/A	VE 10 AE 8-9	Wave Height	N/A
174		N/A	VE 10 AE 8-9	Wave Height	SWEL
175		N/A	VE 9-10 AE 8-9	Wave Height	SWEL
176		N/A	VE 10 AE 8	Wave Height	N/A
177		N/A	VE 10 AE 8-9	Wave Height	N/A
178		N/A	VE 10 AE 8-9	Wave Height	N/A
179		N/A	VE 10 AE 8	Wave Height	N/A
180		N/A	VE 10 AE 8-9	Wave Height	N/A
181		N/A	VE 10 AE 8	Wave Height	N/A
182		N/A	VE 11 AE 8-9	Wave Height	N/A
183		N/A	VE 11 AE 8	Wave Height	N/A
184		N/A	VE 11 AE 8-9	Wave Height	N/A
185		N/A	VE 11 AE 8-9	Wave Height	N/A
186		N/A	VE 10-11 AE 8-9	Wave Height	N/A
187		N/A	VE 10 AE 8-9	Wave Height	N/A
188		N/A	VE 10 AE 8-9	Wave Height	N/A

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
189		N/A	VE 10 AE 8-9	Wave Height	N/A
190		N/A	VE 10 AE 8-9	Wave Height	N/A
191		N/A	VE 10-11 AE 8-9	Wave Height	N/A
192		N/A	VE 11 AE 8-9	Wave Height	N/A
193		N/A	VE 11 AE 8-9	Wave Height	SWEL
194		N/A	VE 11 AE 8-9	Wave Height	N/A
195		N/A	VE 11 AE 8-9	Wave Height	SWEL
196		N/A	VE 11 AE 8-9	Wave Height	SWEL
197		N/A	VE 11 AE 8-9	Wave Height	SWEL
198		N/A	VE 11 AE 8-9	Wave Height	SWEL
199		N/A	VE 11 AE 8-9	Wave Height	SWEL
200		N/A	VE 10-11 AE 8-9	Wave Height	N/A
201		N/A	VE 10-11 AE 8-9	Wave Height	SWEL
202		N/A	VE 10 AE 8-9	Wave Height	N/A
203		N/A	VE 10-11 AE 8-9	Wave Height	N/A
204		N/A	VE 10 AE 8-9	Wave Height	N/A
205		N/A	VE 10-11 AE 8-9	Wave Height	SWEL
206		N/A	VE 10 AE 8-9	Wave Height	N/A
207		N/A	VE 10-11 AE 7-9	Wave Height	N/A

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
208		N/A	VE 9-11 AE 8-9	Wave Height	N/A
209		N/A	VE 10-11 AE 7-10	Wave Height	SWEL
210		N/A	VE 10-11 AE 7-10	Wave Height	SWEL
211		N/A	VE 10-11 AE 7-10	Wave Height	SWEL
212		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
213		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
214		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
215		N/A	VE 10-11 AE 7-10	Wave Height	SWEL
216		N/A	VE 10-11 AE 7-8	Wave Height	SWEL
217		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
218		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
219		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
220		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
221		N/A	VE 10-11 AE 7-9	Wave Height	N/A
222		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
223		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
224		N/A	VE 10-11 AE 7-10	Wave Height	SWEL
225		N/A	VE 10-11 AE 8-10	Wave Height	SWEL
226		N/A	VE 11 AE 8-10	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
227		N/A	VE 11 AE 8-10	Wave Height	SWEL
228		N/A	VE 11-12 AE 7-10	Wave Height	SWEL
229		N/A	VE 12 AE 7-10	Wave Height	SWEL
230		N/A	VE 11 AE 7-10	Wave Height	SWEL
231		N/A	VE 11 AE 8-10	Wave Height	SWEL
232		N/A	VE 10-11 AE 8-9	Wave Height	SWEL
233		N/A	VE 10-11 AE 7-9	Wave Height	SWEL
234		N/A	VE 10 AE 8-9	Wave Height	SWEL
235		N/A	VE 11 AE 8-9	Wave Height	SWEL
236		N/A	VE 11 AE 8	Wave Height	N/A
237		N/A	VE 11 AE 8-9	Wave Height	SWEL
238		N/A	VE 11 AE 8-10	Wave Height	N/A
239		N/A	VE 11 AE 8	Wave Height	SWEL
240		N/A	VE 11 AE 8-9	Wave Height	SWEL
241		N/A	VE 11 AE 8-10	Wave Height	SWEL
242		N/A	VE 11 AE 8-10	Wave Height	N/A
243		N/A	VE 11 AE 8-10	Wave Height	SWEL
244		N/A	VE 11 AE 8	Wave Height	N/A
245		N/A	VE 11 AE 8	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
246		N/A	VE 11 AE 8-9	Wave Height	SWEL
247		N/A	VE 11 AE 8-9	Wave Height	SWEL
248		N/A	VE 11 AE 8-9	Wave Height	SWEL
249		N/A	VE 11 AE 8-9	Wave Height	SWEL
250		N/A	VE 11 AE 7-9	Wave Height	SWEL
251		N/A	VE 11 AE 8-9	Wave Height	SWEL
252		N/A	VE 11 AE 8-9	Wave Height	SWEL
253		N/A	VE 11 AE 8-10	Wave Height	SWEL
254		N/A	VE 11 AE 8-10	Wave Height	SWEL
255		N/A	VE 11 AE 8-10	Wave Height	SWEL
256		N/A	VE 11 AE 8-10	Wave Height	SWEL
257		N/A	VE 12 AE 7-10	Wave Height	SWEL
258		N/A	VE 12 AE 7-10	Wave Height	SWEL
259		N/A	VE 12 AE 7-10	Wave Height	SWEL
260		N/A	VE 11-12 AE 7-10	Wave Height	SWEL
261		N/A	VE 11-12 AE 8-10	Wave Height	SWEL
262		N/A	VE 11-12 AE 8-10	Wave Height	SWEL
263		N/A	VE 12 AE 9-11	Wave Height	SWEL
264		N/A	VE 11-12 AE 9-10	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
265		N/A	VE 11-12 AE 9-11	Wave Height	SWEL
266		N/A	VE 11, 13 AE 9-10	Wave Height	SWEL
267		N/A	VE 11-13 AE 9-11	Wave Height	SWEL
268		N/A	VE 13 AE 9-11	Wave Height	SWEL
269		N/A	VE 13 AE 9-11	Wave Height	SWEL
270		N/A	VE 13 AE 9-10	Wave Height	SWEL
271		N/A	VE 12-13 AE 9-11	Wave Height	SWEL
272		N/A	VE 12-13 AE 10-11	Wave Height	SWEL
273		N/A	VE 12-13 AE 10-11	Wave Height	SWEL
274		N/A	VE 12-13 AE 10-11	Wave Height	SWEL
275		N/A	VE 11, 13 AE 10-11	Wave Height	SWEL
276		N/A	VE 12 AE 9-11	Wave Height	SWEL
277		N/A	VE 11-13 AE 9-11	Wave Height	SWEL
278		N/A	VE 12-13 AE 10-11	Wave Height	SWEL
279		N/A	VE 12-13 AE 10-11	Wave Height	SWEL
280		N/A	VE 12-13 AE 9-11	Wave Height	SWEL
281		N/A	VE 12-13 AE 9-11	Wave Height	SWEL
282		N/A	VE 12-13 AE 9-11	Wave Height	SWEL
283		N/A	VE 13 AE 9-11	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
284		N/A	VE 13 AE 9-11	Wave Height	SWEL
285		N/A	VE 13 AE 9-10	Wave Height	SWEL
286		N/A	VE 13 AE 9-10	Wave Height	SWEL
287		N/A	VE 11, 13 AE 9-11	Wave Height	SWEL
288		N/A	VE 11-12 AE 9-10	Wave Height	SWEL
289		N/A	VE 11-12 AE 9-10	Wave Height	SWEL
290		N/A	VE 12 AE 9-10	Wave Height	SWEL
291		N/A	VE 12 AE 9-10	Wave Height	SWEL
292		N/A	VE 11-12 AE 9-10	Wave Height	SWEL
293		N/A	VE 12 AE 9-10	Wave Height	SWEL
294		N/A	VE 12 AE 8-10	Wave Height	SWEL
295		N/A	VE 11-12 AE 8-10	Wave Height	SWEL
296		N/A	VE 12 AE 8-10	Wave Height	SWEL
297		N/A	VE 12 AE 8-10	Wave Height	SWEL
298		N/A	VE 11-12 AE 8-10	Wave Height	SWEL
299		N/A	VE 11 AE 8-9	Wave Height	SWEL
300		N/A	VE 11 AE 8-9	Wave Height	SWEL
301		N/A	VE 11 AE 8-10	Wave Height	SWEL
302		N/A	VE 11 AE 8-9	Wave Height	SWEL

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
303		N/A	VE 11 AE 8-9	Wave Height	SWEL
304		N/A	VE 11 AE 8-9	Wave Height	SWEL
305		N/A	VE 11 AE 8-10	Wave Height	SWEL
306		N/A	VE 11 AE 8-9	Wave Height	N/A
307		N/A	VE 11 AE 8-9	Wave Height	N/A
308		N/A	VE 11 AE 8-9	Wave Height	N/A
309		N/A	VE 11 AE 8-10	Wave Height	SWEL
310		N/A	VE 11 AE 8-10	Wave Height	SWEL
311		N/A	VE 10-11 AE 8-10	Wave Height	SWEL
312		N/A	VE 11 AE 8-10	Wave Height	SWEL
313		N/A	VE 11 AE 8-11	Wave Height	SWEL
314		N/A	VE 10-11 AE 8-10	Wave Height	SWEL
315		N/A	VE 10 AE 8-10	Wave Height	SWEL
316		N/A	VE 10 AE 8-9	Wave Height	SWEL
317		N/A	VE 9-10 AE 8-10	Wave Height	N/A
318		N/A	VE 10 AE 8-9	Wave Height	N/A
319		N/A	VE 10 AE 8-9	Wave Height	N/A
320		N/A	VE 10-11 AE 8-9	Wave Height	N/A
321		N/A	VE 10-11 AE 8-9	Wave Height	N/A

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
322		N/A	VE 9-11 AE 8-10	Wave Height	N/A
323		N/A	VE 9-12 AE 9-10	Wave Height	N/A
324		N/A	VE 11-12 AE 8-10	Wave Height	SWEL
325		N/A	VE 11 AE 9-11	Wave Height	N/A
326		N/A	VE 11 AE 9-10	Wave Height	N/A
327		N/A	VE 11 AE 9-10	Wave Height	N/A
328		N/A	VE 11-14 AE 9-12	Wave Height	N/A
329		N/A	VE 11-16 AE 9-12	Wave Height	N/A
330		N/A	VE 13-16 AE 8-13	Wave Height	N/A
331		N/A	VE 13-16 AE 9-13	Wave Height	N/A
332		N/A	VE 13-16 AE 10-13	Wave Height	N/A
333		N/A	VE 13-16 AE 10-13	Wave Height	SWEL
334		N/A	VE 13-16 AE 10-13	Wave Height	N/A
335		N/A	VE 13-15 AE 11-13	Wave Height	N/A
336		N/A	VE 13-15 AE 11-12	Wave Height	N/A
337		N/A	VE 13-15	N/A	N/A
338	✓	N/A	VE 13-16 AE 11-13	Wave Height	N/A
339	✓	N/A	VE 13-16	N/A	N/A
340	✓	N/A	VE 12-16 AE 11-12	Wave Height	N/A

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
341	✓	N/A	VE 12-17 AE 10-12	Wave Height	N/A
342	✓	N/A	VE 12-15, 17 AE 9-12	Wave Height	SWEL
343	✓	N/A	VE 13-15, 17 AE 10-12	Wave Height	SWEL
344	✓	N/A	VE 12, 14-15, 17 AE 9-13	Wave Height	SWEL
345	✓	N/A	VE 12, 14-15, 17 AE 10-13	Wave Height	N/A
346	✓	N/A	VE 12, 14-15 AE 10-12	Wave Height	N/A
347	✓	N/A	VE 12-15, 17 AE 10-12	Wave Height	N/A
348	✓	N/A	VE 12-15 AE 11-12	Wave Height	N/A
349	✓	N/A	VE 12-15, 17 AE 11	Wave Height	N/A
350	✓	N/A	VE 12-15, 17 AE 11	Wave Height	N/A
351	✓	N/A	VE 12-15	N/A	N/A
352	✓	N/A	VE 12-17 AE 11-12	Wave Height	N/A
353	✓	N/A	VE 12-15 AE 11-12	Wave Height	N/A
354		N/A	VE 13 AE 11	Wave Height	N/A
355		N/A	VE 12-17 AE 10-11	Wave Height	N/A
356		N/A	VE 13-14 AE 9-12	Wave Height	N/A
357		N/A	VE 12-14 AE 10-12	Wave Height	N/A
358		N/A	VE 14-15 AE 10-12	Wave Height	N/A

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
359		N/A	VE 14-15 AE 9-12	Wave Height	SWEL
360		N/A	VE 14-15 AE 10-12	Wave Height	SWEL
361		N/A	VE 14-15 AE 11-12	Wave Height	SWEL
362		N/A	VE 14-15 AE 10-12	Wave Height	SWEL
363		N/A	VE 14-15 AE 11-12	Wave Height	SWEL
364		N/A	VE 13, 15 AE 11-12	Wave Height	SWEL
365		N/A	VE 13, 15 AE 10-12	Wave Height	SWEL
366		N/A	VE 13-14 AE 10-12	Wave Height	SWEL
367		N/A	VE 13-14 AE 10-12	Wave Height	SWEL
368		N/A	VE 13-14 AE 10-12	Wave Height	SWEL
369		N/A	VE 12, 14 AE 10-12	Wave Height	SWEL
370		N/A	VE 12, 14 AE 10-12	Wave Height	SWEL
371		N/A	VE 12-14 AE 9-11	Wave Height	SWEL
372		N/A	VE 12-13 AE 9-11	Wave Height	SWEL
373		N/A	VE 12-16 AE 10-11	Wave Height	N/A
374		N/A	VE 12-16 AE 11-12	Wave Height	N/A
375		N/A	VE 12-15 AE 12	Wave Height	N/A
376	✓	N/A	VE 12-16 AE 11-12	Wave Height	N/A
377	✓	N/A	VE 12-16 AE 10-12	Wave Height	N/A

Table 25: Summary of Coastal Transect Mapping Considerations (continued)

Coastal Transect	Primary Frontal Dune (PFD) Identified	Wave Runup Analysis	Wave Height Analysis	Zone VE Limit	SFHA Boundary
		Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)		
378	✓	N/A	VE 12-15 AE 12	Wave Height	N/A
379	✓	N/A	VE 12-16 AE 11-12	Wave Height	N/A
380	✓	N/A	VE 12-13, 16 AE 11	Wave Height	N/A
381	✓	N/A	VE 12-13, 16 AE 10-11	PFD	N/A
382	✓	N/A	VE 12-13, 16 AE 10-11	PFD	N/A
383	✓	N/A	VE 13, 16 AE 9-11	Wave Height	SWEL
384	✓	N/A	VE 13, 16 AE 9-11	PFD	SWEL
385*	✓	N/A	VE 12-13, 16 AE 9-11	Wave Height	SWEL
386*	✓	N/A	VE 11-13, 15 AE 9-11	Wave Height	N/A
387*	✓	N/A	VE 11-13, 15 AE 9-11	Wave Height	SWEL
388*	✓	N/A	VE 11-13, 15 AE 9-11	Wave Height	SWEL
389*	✓	N/A	VE 11-13, 15 AE 9-11	Wave Height	SWEL

*Transect originates in Collier County, Florida. See Collier County FIS Report.

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

6.5 FIRM Revisions

This FIS Report and the FIRM are based on the most up-to-date information available to FEMA at the time of its publication; however, flood hazard conditions change over time. Communities or private parties may request flood map revisions at any time. Certain types of requests require submission of supporting data. FEMA may also initiate a revision. Revisions 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. A LOMA cannot be issued for properties located on the PFD (primary frontal dune).

To obtain an application for a LOMA, visit www.fema.gov/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 Mapping and Insurance 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 Mapping and Insurance 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 Mapping and Insurance 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 Lee 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)
23-04-0622P	02/01/2023	Estero River	12071C0581G 12071C0584F ¹

¹ Although a portion of LOMR 23-04-0622P falls within the scope of this map revision, panel 12071C0584F was not revised. Therefore, users must continue to refer to the annotated FIRM attachment for this LOMR for FIRM panel 12071C0584F.

6.5.4 Physical Map Revisions

A Physical Map Revisions (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 Floods & Maps “Change Your Flood Zone Designation” 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 Lee County. Previously, separate FIRMs, Flood Hazard Boundary Maps (FHBM) and/or Flood Boundary and Floodway Maps (FBFM) may have been prepared for the incorporated communities and the unincorporated areas in the county that had identified SFHAs. Current and historical data relating to the maps prepared for the project area are presented in Table 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 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.
- *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 PMRs 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 Lee County FIRMs in countywide format was 08/28/2008.

Table 27: Community Map History

Community Name	Initial Identification Date	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Bonita Springs, City of ^{1,2}	09/19/1984	N/A	N/A	09/19/1984	11/17/2022 12/07/2018 08/28/2008 05/05/2003 12/20/2000 07/20/1998 09/20/1996 03/15/1994 11/04/1992 11/03/1989
Cape Coral, City of	03/27/1975	03/27/1975	N/A	08/17/1981	11/17/2022 08/28/2008 09/18/1985
Estero, Village of ^{1,2}	09/19/1984	N/A	N/A	09/19/1984	TBD 11/17/2022 12/07/2018 08/28/2008 05/05/2003 12/20/2000 07/20/1998 09/20/1996 03/15/1994 11/04/1992 11/03/1989
Fort Myers, City of	10/30/1970	10/30/1970	N/A	04/16/1979	11/17/2022 12/07/2018 08/28/2008 11/15/1984
Fort Myers Beach, Town of ^{1,2}	09/19/1984	N/A	N/A	09/19/1984	11/17/2022 12/07/2018 08/28/2008 05/05/2003 12/20/2000 07/20/1998 09/20/1996 03/15/1994 11/04/1992 11/03/1989

Table 27: Community Map History (continued)

Community Name	Initial Identification Date	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Lee County, Unincorporated Areas	09/19/1984	N/A	N/A	09/19/1984	TBD 11/17/2022 12/07/2018 08/28/2008 05/05/2003 12/20/2000 07/20/1998 09/20/1996 03/15/1994 11/04/1992 11/03/1989
Sanibel, City of	07/23/1976	07/23/1976	N/A	04/16/1979	11/17/2022 08/28/2008 09/29/1996 11/04/1992 10/15/1985 10/01/1983

¹ Dates for this community were taken from Lee County, Unincorporated Areas

² This community did not have a FIRM prior to the first countywide FIRM for Lee County

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
Bayshore Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Bayshore Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Bedman Creek / Dog Canal	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Bedman Creek / Dog Canal	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Billy Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas; Fort Myers, City 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
Billy Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas; Fort Myers, City of
Caloosahatchee River	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Cape Coral, City of; Lee County, Unincorporated Areas; Fort Myers, City of
Carrell Canal	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Fort Myers, City of
Carrell Canal	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Fort Myers, City of
Chapel Branch Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Chapel Branch Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Charlotte Harbor	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Cape Coral, City of; Lee County, Unincorporated Areas
Cypress Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Cypress Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Daughtrey Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Daughtrey Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
East Branch Daughtrey Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
East Branch Daughtrey Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
East Branch Yellow Fever Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Cape Coral, City of; Lee County, Unincorporated Areas
East Branch Yellow Fever Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Cape Coral, City of; Lee County, Unincorporated Areas

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Estero Bay	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Bonita Springs, City of; Estero, Village of; Fort Myers Beach, Town of; Lee County, Unincorporated Areas
Estero River	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Estero, Village of
Estero River	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Estero, Village of; Lee County, Unincorporated Areas
Fichter Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Fichter Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Ford Street Canal	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Fort Myers, City of
Ford Street Canal	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Fort Myers, City of
Gasparilla Sound	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Gulf of America ¹	11/17/2022	Compass	HSFE60-15-D-0003	November 2021	Fort Myers Beach, Town of; Sanibel, City of
Gulf of America	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Bonita Springs, City of; Fort Myers Beach, Town of; Lee County, Unincorporated Areas; Sanibel, City of
Halfway Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Estero, Village of; Lee County, Unincorporated Areas
Halfway Creek	12/07/2018	BakerAECOM	HSFEHQ-09-D-0368	2012	Estero, Village of
Halls Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Hancock Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Cape Coral, City of; Lee County, Unincorporated Areas

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Hancock Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Cape Coral, City of
Hendry Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Hendry Creek West	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Hickey Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Hickey Creek Drainageway	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Hickey Creek Drainageway	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Imperial River	07/20/1998	Woodward-Clyde Federal Services	EMW-C-4678, Task Order No. 37	March 1995	Lee County, Unincorporated Areas
Kickapoo Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
L-3 Canal	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Fort Myers, City of
Leitner Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Bonita Springs, City of
Leitner Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Bonita Springs, City of
Little Bokeelia Bay	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Manuels Branch	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Fort Myers, City of
Manuels Branch	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Fort Myers, City of
Marsh Point Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Marsh Point Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Matlacha Pass	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Cape Coral, City of; Lee County, Unincorporated Areas
Mullock Creek	TBD	AECOM	HSFEHQ-09-D-0369	2023	Lee County, Unincorporated Areas
Mullock Creek Tributary	TBD	AECOM	HSFEHQ-09-D-0369	2023	Lee County, Unincorporated Areas
North Colonial Waterway	12/07/2018	BakerAECOM	HSFEHQ-09-D-0368	2012	Fort Myers, City of
Oak Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Bonita Springs, City of
Oak Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Bonita Springs, City of
Orange River	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Orange River	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Owl Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Owl Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Palm Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Palm Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Pine Island Sound	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas; Sanibel, City of
Popash Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Popash Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Powell Creek / Powell Bypass	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Powell Creek / Powell Bypass	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Powell Creek (Upstream of Confluence of Powell Bypass)	03/15/1994	*	*	*	Lee County, Unincorporated Areas
Powell Creek Tributary No. 1	03/15/1994	*	*	*	Lee County, Unincorporated Areas
San Carlos Bay	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Fort Myers Beach, Town of; Lee County, Unincorporated Areas; Sanibel, City of
Six Mile Cypress Slough	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Six Mile Cypress Slough	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Fort Myers, City of; Lee County, Unincorporated Areas
South Branch	12/07/2018	BakerAECOM	HSFEHQ-09-D-0368	2012	Estero, Village of
Spanish Canal	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Spanish Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Spanish Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Spring Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Bonita Springs, City of
Stricklin Gully	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Stroud Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Telegraph Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Telegraph Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Ten Mile Canal	12/07/2018	BakerAECOM	HSFEHQ-09-D-0368	2012	Fort Myers, City of; Lee County, Unincorporated Areas

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 L-1 (Yellow Fever Creek Tributary)	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Tributary L-2 (Yellow Fever Creek Tributary)	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Trout Creek / Curry Lake Canal	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Lee County, Unincorporated Areas
Trout Creek / Curry Lake Canal	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0-0137	February 2002	Lee County, Unincorporated Areas
Winkler Canal	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Fort Myers, City of; Lee County, Unincorporated Areas
Yellow Fever Creek	11/17/2022	RAMPP	HSFEHQ-09-D-0369	August 2018	Cape Coral, City of; Lee County, Unincorporated Areas
Zone A Ponding Areas	03/15/1994	*	*	*	Bonita Springs, City of; Cape Coral, City of; Fort Myers, City of; Lee County, Unincorporated Areas; Estero, Village of

* Data not available

¹ The following revisions were made by Compass, per comments addressed during the appeal-period

7.2 Community Meetings

The dates of the community meetings held for this Flood Risk Project and 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.