# 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



## **REVISED**:

November 17, 2022

FLOOD INSURANCE STUDY NUMBER 12071CV003C

Version Number 2.4.3.5

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Transect 244	513-514 T
Transect 245	515-516 T
Transect 246	517-518 T
Transect 247	519-520 T
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Transect 249	523-524 T
Transect 250	525-526 T
Transect 251	527-528 T
Transect 252	529-530 T
Transect 253	531-532 T
Transect 254	533-534 T
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Transect 319	673 T
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Transect 348	731-732 T
Transect 349	733-734 T
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Transect 351	737-738 T
Transect 352	739-740 T
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Transect 358	751-752 T
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## Published Separately

Flood Insurance Rate Map (FIRM)

LOCA	ΓΙΟΝ	FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A <sup>1</sup> B <sup>1</sup> D E F G H I J K L M N O P	800 2,100 3,400 4,237 6,533 7,686 9,991 11,242 16,272 17,727 18,981 19,279 19,678 21,321 23,967 24,798	N/A N/A N/A 220 280 260 418 115 550 675 675 675 775 1,084 34 469	N/A N/A N/A N/A 445 838 1,101 2,728 312 2,177 1,779 2,131 1,999 2,144 142 581	N/A N/A N/A N/A 2.3 1.2 0.7 0.3 1.8 0.3 0.3 0.2 0.2 0.2 0.2 2.2 0.5	* * 9.7 <sup>3</sup> 10.6 12.8 19.8 20.4 21.7 21.8 21.8 21.8 21.8 21.8 21.8 21.8 21.8	$0.8^4$ $3.4^4$ $3.7^4$ $4.0^4$ $8.6^4$ 10.6 12.8 19.8 20.4 21.7 21.8	N/A N/A N/A 9.2 11.5 13.7 19.9 21.2 22.6 22.7 22.7 22.7 22.7 22.7 22.8 23.1 23.6	N/A N/A N/A 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 1.0 0.9 0.9
<sup>1</sup> Floodway not co <sup>2</sup> Feet above mou <sup>3</sup> Combined coast <sup>4</sup> Elevation compu *Controlled by co FEDERAL E	mputed/shown for th al and riverine eff ted without consi astal flooding – s MERGENCY MA E COUNTY,	or this cross se fects from Cal ideration of ba ee Flood Insu NAGEMENT FLORID	ection oosahatchee Ri ickwater effects rance Rate map AGENCY	iver and Baysho from Caloosaha o for regulatory b	re Creek atchee River base flood elevatior FI			

Table 23: Floodway Data

			SECTION		ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	AREA (SQ. FEET)	VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
						2		
Α	1,760	1,159	2,906	1.5	*	6.9 <sup>°</sup>	7.7	0.8
В	2,730	1,610	3,715	1.1	*	7.9 <sup>3</sup>	8.6	0.7
С	4,160	1,142	3,632	1.1	10.7 <sup>2</sup>	9.9 <sup>3</sup>	10.3	0.4
D	5,304	266	1,431	2.9	11.2 <sup>2</sup>	10.7 <sup>3</sup>	11.1	0.4
Е	6,562	304	1,689	2.5	12.2 <sup>2</sup>	12.0 <sup>3</sup>	12.4	0.4
F	7,731	375	2,080	2.0	12.7 <sup>2</sup>	12.6 <sup>3</sup>	13.1	0.5
G	8,665	378	1,987	2.0	13.2 <sup>2</sup>	13.1 <sup>3</sup>	13.7	0.6
Н	9,705	452	2,846	1.4	13.8 <sup>2</sup>	13.8 <sup>3</sup>	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
Μ	15,024	1,507	7,603	0.5	15.1	15.1	16.1	1.0
Ν	15,774	1,361	4,077	0.9	15.3	15.3	16.3	1.0
0	21,474	86	723	4.2	19.9	19.9	20.3	0.4
Р	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
Т	46,749	80	693	0.5	26.1	26.1	26.5	0.4

<sup>3</sup>Elevation computed without consideration of backwater effects from Caloosahatchee River \*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

ΤA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA			
BLE	LEE COUNTY, FLORIDA				
23	AND INCORPORATED AREAS	FLOODING SOURCE: BEDMAN CREEK / DOG CANAL			

	LOCAT	ΓΙΟΝ		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	A <sup>1</sup> B C D E F G H I J K L M N O P	505 3,482 5,126 7,656 8,475 10,258 11,665 12,825 13,695 15,035 16,585 18,733 19,443 20,550 20,943 21,616 mputed/shown for th al and riverine ef	N/A 115 178 155 60 295 176 575 1,144 744 629 448 163 150 254 475 or this cross so	N/A 787 1,244 1,750 548 1,475 1,319 4,289 6,316 4,009 2,777 1,374 728 695 895 1,745 ection	N/A 5.5 3.4 1.6 5.2 1.9 2.2 0.7 0.5 0.7 1.0 2.1 2.6 2.7 2.1 1.0	* * 9.4 <sup>3</sup> 10.0 <sup>3</sup> 10.5 <sup>3</sup> 10.9 <sup>3</sup> 11.0 <sup>3</sup> 11.2 <sup>3</sup> 13.2 13.8 16.1 16.8 17.4	$\begin{array}{c} 1.3^{4} \\ 4.8^{4} \\ 6.1^{4} \\ 6.9^{4} \\ 7.7^{4} \\ 9.4^{4} \\ 10.2^{4} \\ 10.7^{4} \\ 10.8^{4} \\ 11.1^{4} \\ 13.2 \\ 13.8 \\ 16.1 \\ 16.8 \\ 17.4 \end{array}$	N/A 5.2 6.6 7.6 8.6 10.3 11.1 11.7 11.8 11.8 12.1 14.1 14.8 16.9 17.7 18.4	N/A 0.4 0.5 0.7 0.9 0.9 1.0 1.0 1.0 1.0 1.0 0.9 1.0 0.8 0.9 1.0
	*Controlled by co	Controlled by coastal flooding – see Flood Insurance Rate Ma				base flood elevation	ns		
TARI F	FEDERAL EN	MERGENCY MA E COUNTY				FL	OODWAY I	ΟΑΤΑ	
23	AN	D INCORPORA	TED AREAS			FLOODIN	G SOURCE: I		,

	LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	A B C D E F G H I J K L M	2,085 2,315 3,062 3,927 4,549 5,018 5,866 6,325 6,825 7,712 8,966 9,631 10,271	30 70 50 57 62 50 60 50 40 56 60 60 40 40	87 465 226 233 242 210 211 306 212 297 290 287 161	5.6 1.0 1.9 1.8 1.6 1.8 1.7 1.1 1.4 0.8 0.4 0.3 0.2 from Caloosaha	* 11.0 11.3 11.5 11.7 11.9 12.2 12.3 12.4 12.6 12.7 12.7 12.7 12.7	3.2 <sup>2</sup> 11.0 11.3 11.5 11.7 11.9 12.2 12.3 12.4 12.6 12.7 12.7 12.7	3.2 11.0 11.3 11.5 11.7 11.9 12.2 12.3 12.4 12.6 12.7 12.7 12.7	$\begin{array}{c} 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0$
TAR	FEDERAL EN		NAGEMENT	AGENCY		FL	.OODWAY [	DATA	
- п 20	LEE AN	E COUNTY, D INCORPORAT	FLORIDA	<b>\</b>		FLOODING	SOURCE: CA		\L

LOCA	TION	FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFA ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
۸ <sup>1</sup>	0	NI/A	NI/A	NI/A	*	0.2 <sup>3</sup>	NI/A	NI/A
А 0 <sup>1</sup>	1 200	N/A	N/A	N/A	*	-0.2	N/A	N/A
	1,300			N/A N/A	*	0.9	N/A	N/A
	3,600				*	1.0	IN/A	
D =1	4,800	IN/A	IN/A	IN/A	+	1.8	N/A	N/A
E -1	5,817	N/A	N/A	IN/A	^ +	2.8	N/A	IN/A
F'	7,292	N/A	N/A	N/A	*	5.5°	N/A	N/A
G	8,084	62	293	2.1	*	6.4°	7.3	0.9
Н	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
0	17,465	119	395	0.5	19.5	19.5	20.4	0.9
Р	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
К	20,758	43	120	0.4	19.5	19.5	20.5	1.0

<sup>1</sup>Floodway not computed/shown for this cross section <sup>2</sup>Feet above mouth

TABLE

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<sup>3</sup>Elevation computed without consideration of backwater effects from Caloosahatchee River

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

FEDERAL EMERGENCY MANAGEMENT AGENCY

**FLOODWAY DATA** 

LEE COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODING SOURCE: CHAPEL BRANCH CREEK

LOCA	TION		FLOODWAY		1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE1	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
			407	7.0	+	0 0 <sup>3</sup>		4.0
A	0	68	427	7.3	^ +	$2.2^{\circ}$	3.2	1.0
В	1,627	376	1,218	2.6	, 10,1 <sup>2</sup>	$5.9^{\circ}$	6.3	0.4
C	4,590	54	579	4.9	$10.1^{-1}$	$8.6^{-3}$	9.6	1.0
D	5,290	706	2,928	1.0	10.4-	9.7°	10.6	0.9
E	5,620	470	2,107	1.3	10.5	9.9°	10.8	0.9
F	6,780	1,110	2,931	1.0	11.1-	10.8°	11.8	1.0
G	7,531	778	3,158	0.9	11.5	11.3°	12.3	1.0
Н	8,111	1,479	5,538	0.5	11.7	11.6°	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
Μ	13,134	200	1,513	1.8	15.2	15.2	16.0	0.8
Ν	14,134	35	391	6.9	16.5	16.5	17.1	0.6
0	15,034	148	1,922	1.4	17.6	17.6	18.6	1.0
Р	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

<sup>1</sup>Feet above mouth

<sup>2</sup>Combined coastal and riverine effects from Caloosahatchee River and Cypress Creek <sup>3</sup>Elevation computed without consideration of backwater effects from Caloosahatchee River \*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

TABL		FLOODWAY DATA
.E 23	AND INCORPORATED AREAS	FLOODING SOURCE: CYPRESS CREEK

LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A <sup>1</sup> B <sup>1</sup>	3,100	N/A	N/A	N/A	*	1.0 <sup>4</sup> 1.1 <sup>4</sup>	N/A	N/A
	5 513	60	382	15	*	1.1 2.1 <sup>4</sup>	25	0.4
	7 013	2/1	1 020	4.5	*	2.1 3.5 <sup>4</sup>	2.5	0.4
	8,513	241 17	384	1.7	*	5.5 4.6 <sup>4</sup>	4.1 5.2	0.0
	0,010	47	820	4.5	0.23	4.0	5.2	0.0
G	10,243	226	780	2.1	9.3 0.7 <sup>3</sup>	7.0 9.5 <sup>4</sup>	10.1	0.4
G L	12 226	220	612	2.0	9.7	9.5 0.6 <sup>4</sup>	10.1	0.0
	12,550	50	440	2.5	9.0	9.0 10.0 <sup>4</sup>	10.4	0.8
	16,030	50	201	3.5	10.2	10.0 12.9 <sup>4</sup>	10.9	0.9
K J	18,036	108	744	4.0	12.9	12.0	14.6	0.4
	10,030	3/1	885	1.8	14.4	14.4	14.0	0.2
M	19,170	94	300	3.0	14.3	14.5	15.7	0.5
N	20,563	63	411	3.8	15.8	15.8	16.7	0.0
0	20,993	89	557	2.8	16.0	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
Х	36,170	1,247	1,588	1.0	24.4	24.4	25.4	1.0
<sup>1</sup> Floodway not cor	nputed/shown fo	or this cross se	ection					
<sup>2</sup> Feet above mout	h							
<sup>3</sup> Combined coasta	al and riverine eff	fects from Cal	oosahatchee Ri	ver and Daughtr	ey Creek			
<sup>4</sup> Elevation comput	ed without consi	deration of ba	ckwater effects	from Caloosaha	tchee River			
*Controlled by coa	astal flooding – s	ee Flood Insu	rance Rate Map	o for regulatory b	ase flood elevatior	า		
FEDERAL EN	IERGENCY MA	NAGEMENT	AGENCY		FI		ΔΤΔ	
LEE	E COUNTY.	FLORIDA						
			-		FLOODING S	OURCE: DAU	GHTREY CRE	EK

LOCA	TION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
٨	0	400	400	1.0	*	o ح <sup>3</sup>	4.5	1.0
A	0	109	493	1.6		3.5 5 o <sup>3</sup>	4.5	1.0
В	687	38	299	2.4	*	5.3°	6.2	0.9
С	1,914	80	512	1.4	9.4	7.0°	8.0	1.0
D	3,369	171	922	0.8	10.0 <sup>2</sup>	10.0°	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
Н	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
М	13,042	94	641	1.1	20.0	20.0	20.6	0.6
Ν	14,389	2,262	6,114	0.1	20.1	20.1	20.7	0.6
0	15,117	370	751	0.8	20.1	20.1	20.9	0.8
Р	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
Т	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

<sup>3</sup>Elevation computed without consideration of backwater effects from Caloosahatchee River \*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

ΤA	FEDERAL EMERGENCY MANAGEMENT AGENCY	ΕΙ ΟΟΟΨΑΥ ΠΑΤΑ
BLE	I FE COUNTY, FLORIDA	
E 23		FLOODING SOURCE: EAST BRANCH DAUGHTREY CREEK
	AND INCORPORATED AREAS	

	LOCA	ΓΙΟΝ		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	A B C D E F G H I J K L M <sup>1</sup> Feet above mou <sup>2</sup> Combined coast <sup>3</sup> Elevation compu *Controlled by co	0 1,130 1,780 2,180 3,347 3,844 5,126 7,950 10,429 12,180 13,148 14,358 15,656 th al and riverine effited without consi astal flooding – s	212 212 238 249 50 62 122 86 237 148 81 228 72 72	256 673 994 800 325 419 351 461 531 325 280 749 418 00sahatchee R ickwater effects rance Rate Map	4.7 1.8 1.2 1.5 3.1 2.4 2.9 1.9 1.4 1.8 2.1 0.7 1.1 ver and East Bra from Caloosaha o for regulatory b	* * 8.4 <sup>2</sup> 11.0 <sup>2</sup> 12.6 13.0 14.1 15.1 15.6 16.9 17.9 18.0 18.1 anch Yellow Fever tchee River vase flood elevation	3.2 <sup>3</sup> 6.8 <sup>3</sup> 7.4 <sup>3</sup> 11.0 <sup>3</sup> 12.6 13.0 14.1 15.1 15.6 16.9 17.9 18.0 18.1	3.9 7.8 8.4 11.9 13.4 13.8 14.8 16.1 16.5 17.5 18.2 18.8 19.0	$\begin{array}{c} 0.7 \\ 1.0 \\ 1.0 \\ 0.9 \\ 0.8 \\ 0.7 \\ 1.0 \\ 0.9 \\ 0.6 \\ 0.3 \\ 0.8 \\ 0.9 \end{array}$
TABI	FEDERAL EI			AGENCY		FL	OODWAY [	DATA	
_E 23		E COUNIY,	FLORIDA	•	FLOODII	NG SOURCE: E		H YELLOW FE	

LOCA			FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU ET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
•	550	777	4 704	4.0	*	0.0 <sup>3</sup>	0.0	0.0
A	550	111	4,791	1.3	*	8.3 0 5 <sup>3</sup>	8.3	0.0
В	2,050	411	3,797	1.0	*	8.5 0.0 <sup>3</sup>	8.0	0.1
	2,800	696	5,624	1.1	*	8.0 9.7 <sup>3</sup>	8.7	0.1
D F	3,800	829	7,438	0.8	*	8.7	8.9	0.2
E	4,600	659	3,304	1.8	*	8.7	8.9	0.2
F	5,100	695	5,126	1.2	11 0 <sup>2</sup>	8.8 0.0 <sup>3</sup>	9.0	0.2
G	0,281	808	5,208	1.2	11.2	9.0	9.3	0.3
H	8,861	539	3,795	1.6	11.4	9.6°	9.9	0.3
1	9,911	997	4,569	1.3	11.4	9.8	10.1	0.3
J	11,024	475	3,981	1.5	11.5 11.0 <sup>2</sup>	10.0	10.3	0.3
ĸ	13,511	565	3,847	1.6	11.8	10.6 <sup>°</sup>	11.0	0.4
L	14,511	540	2,675	2.3	$11.9^{-1}$	$10.9^{\circ}$	11.3	0.4
M	15,817	200	1,641	3.7	$12.1^{-1}$	$11.1^{\circ}$	12.0	0.9
N	17,811	1,390	5,574	0.9	13.5	$13.0^{\circ}$	14.0	1.0
0	19,207	786	5,926	0.9	13.7	13.3°	14.2	0.9
Р	20,221	2,071	3,358	1.5	14.1-	13.8°	14.6	0.8
Q	21,134	343	2,542	2.0	15.0 <sup>-</sup>	14.9°	15.7	0.8
R	23,267	1,405	6,047	0.8	15.9	15.9	16.8	0.9
S	23,996	1,096	4,550	1.1	16.2	16.2	17.1	0.9
Т	24,946	1,684	5,616	0.9	16.9	16.9	17.9	1.0
Feet above mout Combined coasta Elevation compu Controlled by coa	th al and riverine eff ted without consi astal flooding – s	fects from Est ideration of ba ee Flood Insu	ero Bay and Est tockwater effects rance Rate Map	tero River from Estero Bay o for regulatory b	/ ase flood elevatior	1		1
FEDERAL EI	MERGENCY MA	NAGEMENT	AGENCY		FL	.OODWAY [	ΔΤΑ	
LE	E COUNTY,	<b>FLORID</b>	<b>\</b>  -					
		TED AREAS			FLOODING	SOURCE: E	STERO RIVER	K

AND INCORPORATED AREAS

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	LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	U V W X	25,692 27,820 28,840 29,610	1,891 2,670 818 1,653	7,900 9,667 4,426 8,303	0.6 0.5 1.0 0.6	17.2 18.5 19.6 19.9	17.2 18.5 19.6 19.9	18.2 19.1 20.4 20.8	1.0 0.6 0.8 0.5
TA	FEDERAL EN	n IERGENCY MA	NAGEMENT	AGENCY		FI			
BLE 23		E COUNTY, D INCORPORA	FLORIDA	<b>A</b>		FLOODING	SOURCE: E	STERO RIVER	R

	LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
1 1 2 3	A B C D E F G	0 804 1,134 2,184 2,697 4,201 5,430 1 and riverine effective ed without consistal flooding – s	90 44 40 19 26 130 17 17 fects from Cal ideration of ba see Flood Insu	470 226 248 115 262 372 105 0osahatchee Ri ckwater effects rance Rate Mar	2.8 3.9 3.6 7.7 3.4 1.8 6.4 ver and Fichter ( from Caloosaha o for regulatory b	* * 9.3 <sup>2</sup> 9.5 <sup>2</sup> 10.9 <sup>2</sup> 14.4 Creek tchee River base flood elevatior	1.2 <sup>3</sup> 3.3 <sup>3</sup> 3.8 <sup>3</sup> 6.5 <sup>3</sup> 8.2 <sup>3</sup> 10.7 <sup>3</sup> 14.4	2.2 3.6 4.0 7.2 9.0 11.1 14.7	1.0 0.3 0.2 0.7 0.8 0.4 0.3
	FEDERAL EN	IERGENCY MA	NAGEMENT	AGENCY		FL	.OODWAY I	ΟΑΤΑ	
		<b>COUNTY,</b>	FLORIDA TED AREAS			FLOODING	SOURCE: FIG	CHTER CREE	к

LOC	ATION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A B C D E F G H I J K L M N O P Q	1,722 2,622 3,572 4,207 4,802 5,174 5,787 6,892 8,047 8,949 9,283 9,564 9,874 10,199 10,445 10,944 11,248	40 36 35 38 32 31 35 38 35 50 65 65 65 65 65 20 20 21	280 171 121 160 133 140 136 161 113 160 195 118 120 128 46 47 38	2.1 3.2 4.5 3.4 3.8 1.4 1.4 1.2 1.7 1.2 0.8 0.7 0.7 0.7 0.7 0.6 0.8 Ver and Ford Str from Caloosaha	9.6 <sup>2</sup> 9.8 <sup>2</sup> 10.8 <sup>2</sup> 12.1 <sup>2</sup> 12.6 13.5 13.7 13.8 14.9 16.0 16.1 16.9 16.9 16.9 16.9 16.9 16.9 17.4 17.6	$9.0^3$ $9.3^3$ $10.5^3$ $12.1^3$ 12.6 13.5 13.7 13.8 14.9 16.0 16.1 16.9 16.9 16.9 16.9 16.9 16.9 17.4 17.6	9.7 10.0 10.8 12.3 12.8 13.7 13.9 14.0 15.0 16.8 17.1 17.4 17.5 17.7 17.7 17.9 18.2	$\begin{array}{c} 0.7\\ 0.7\\ 0.3\\ 0.2\\ 0.2\\ 0.2\\ 0.2\\ 1.0\\ 0.8\\ 1.0\\ 0.5\\ 0.6\\ 0.8\\ 0.8\\ 0.5\\ 0.6\end{array}$
FEDERAL	EMERGENCY MA	NAGEMENT	AGENCY		FL	.OODWAY [	ΟΑΤΑ	
	EE COUNTY,	FLORIDA	<b>\</b>		FLOODING SC	OURCE: FORD	STREET CA	NAL

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

<sup>1</sup>Feet above mouth

<sup>2</sup>Combined coastal and riverine effects from Estero Bay and Halfway Creek

<sup>3</sup>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" elevations do not agree with S2DMM model.

<sup>4</sup>Elevation computed without consideration of backwater effects from Estero River

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

ΤA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA			
BFE	LEE COUNTY. FLORIDA				
23	AND INCORPORATED AREAS	FLOODING SOURCE: HALFWAY CREEK			

	LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	A B C D E F G H I I <sup>1</sup> Feet above mout <sup>2</sup> Elevation comput *Controlled by coa	178 1,068 1,548 3,238 3,584 3,765 4,065 4,322 5,195 h ted without consi astal flooding – s	68 18 108 24 402 28 54 28 64 28 deration of ba ee Flood Insu	513 96 76 191 67 2,289 58 212 116	0.8 2.0 2.6 1.0 2.9 0.1 3.4 0.9 1.7 from Caloosaha o for regulatory b	* * * * 10.2 12.7 tchee River ase flood elevation	4.0 <sup>2</sup> 4.3 <sup>2</sup> 6.6 <sup>2</sup> 7.1 <sup>2</sup> 8.6 <sup>2</sup> 10.2 12.7	4.5 4.7 5.2 7.5 8.0 8.4 8.8 11.1 13.0	0.5 0.7 0.9 0.9 0.2 0.2 0.9 0.3
TAB	FEDERAL EN	IERGENCY MA	NAGEMENT	AGENCY		FL	.OODWAY [	DATA	
LE 23	LEE	E COUNTY, <u>d incorpora<sup>-</sup></u>	FLORIDA	<b>\</b>		FLOODING	G SOURCE: H	ALLS CREEK	

LOCAT	ΓΙΟΝ		FLOODWAY	,	1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A <sup>1</sup> B C D E F G H I J K L M N O	1,000 2,696 4,136 6,005 7,435 8,635 9,935 12,135 13,310 14,567 15,626 16,350 17,028 17,409 19,593	N/A 91 226 140 198 237 153 134 68 188 90 47 29 22 50 22 50	N/A 814 1,943 1,133 1,057 2,585 991 1,164 524 503 288 162 203 216 221 ection oosahatchee Rinckwater effects rance Rate Mag	N/A 3.3 1.2 2.0 0.5 0.2 0.5 0.4 1.0 1.0 1.3 1.2 1.0 0.9 0.7 Ver and Hancocl from Caloosaha o for regulatory b	* * * * * * * * * * * * * * * * * * *	$\begin{array}{c} 0.0^{4} \\ 1.6^{4} \\ 2.1^{4} \\ 2.3^{4} \\ 2.5^{4} \\ 2.5^{4} \\ 2.5^{4} \\ 2.5^{4} \\ 5.0^{4} \\ 5.5^{4} \\ 5.9^{4} \\ 6.5^{4} \\ 10.8 \\ 10.8 \end{array}$	N/A 2.2 2.6 2.7 2.9 2.9 2.9 2.9 2.9 5.9 6.3 6.3 6.8 7.4 11.4 11.5	N/A 0.6 0.5 0.4 0.4 0.4 0.4 0.4 0.4 0.9 0.8 0.9 0.9 0.9 0.6 0.7
FEDERAL E			AGENCY		FL	.OODWAY [	DATA	
	D INCORPORA	FLOKIDA			FLOODING	SOURCE: HA		ΞK

CROSS SECTION         DISTANCE <sup>2</sup> WIDTH (FEET)         SECTION AREA (SC. FEET)         MEAN VELOCITY (FEET/SEC)         REGULATORY         WITHOUT FLOODWAY         WITHOUT FLOODWAY           A <sup>1</sup> 0         N/A         N/A         N/A         1.7 <sup>4</sup> N/A           B <sup>1</sup> 4,600         N/A         N/A         N/A         1.8 <sup>4</sup> N/A           C <sup>1</sup> 8,600         N/A         N/A         N/A         N/A         1.8 <sup>4</sup> N/A           D         11,100         2,190/         7,573         0.3         1.9 <sup>4</sup> 2.8         2.9         3.1         4.60         2.4 <sup>4</sup> 3.3           F         17,100         250         1.725         0.8         2.2 <sup>4</sup> 3.1         2.4 <sup>4</sup> 3.3           H         24,300         538         644         2.1         2.9 <sup>4</sup> 3.9         3.1         2.4 <sup>4</sup> 3.3           J         27,470         400         2.19         0.3         4.8 <sup>4</sup> 5.7         7           K         30,668         2.194         8,638         0.0         5.2 <sup>4</sup> 5.7           M         31,807         1.970         6,160         0.0	URFACE	DOD WATER SU	AL CHANCE FLC ELEVATION (FE	1% ANNU		FLOODWAY		ION	LOCAT
A1       0       N/A       N/A       N/A       N/A       N/A       N/A         B1       4,600       N/A       N/A       N/A       N/A       N/A       N/A         C1       8,600       N/A       N/A       N/A       N/A       N/A       N/A         D       11,100       2,190 / 1,630 / 7,573       0.3       -       1.84       N/A         D       11,100       2,190 / 1,725       0.8       -       2.04       2.9         F       17,100       250       1,725       0.8       -       2.24       3.1         G       21,600       165       1,213       1.1       -       2.44       3.3         H       24,300       538       644       2.1       -       2.94       3.9         J       22,6539       158       1,367       0.0       -       5.24       5.7         K       30,658       2,194       8,638       0.0       -       5.24       5.7         N       34,054       745       6,664       0.0       -       5.24       5.7         N       34,057       1,37       1.34       0.2       -       5.34       <	INCREASE	WITH FLOODWAY	WITHOUT FLOODWAY	REGULATORY	MEAN VELOCITY (FEET/SEC)	SECTION AREA (SQ. FEET)	WIDTH (FEET)	DISTANCE <sup>2</sup>	CROSS SECTION
B'       4,600       N/A       N/A       N/A       N/A       N/A       N/A         C <sup>1</sup> 8,600       N/A       N/A       N/A       N/A       N/A       N/A         D       11,100       1,630 <sup>3</sup> 7,573       0.3       1.8 <sup>4</sup> N/A         E       13,350       324       2,280       1.0       2.0 <sup>4</sup> 2.9         F       17,100       250       1,725       0.8       2.2 <sup>4</sup> 3.1         G       21,600       165       1,213       1.1       2.4 <sup>4</sup> 3.3         H       24,300       538       644       2.1       2.9 <sup>4</sup> 3.9         J       28,539       158       1,367       0.0       5.2 <sup>4</sup> 5.7         K       30,658       2,194       8,638       0.0       5.2 <sup>4</sup> 5.7         M       31,807       1,970       6,160       0.0       5.2 <sup>4</sup> 5.7         M       31,807       1,970       6,160       0.0       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       5.2 <sup>4</sup> 5.7         O       35,987       40       120       0.4<	N/A	N/A	1.74	*	N/A	N/A	N/A	0	A
D       11,100       2,190 / 1,630 <sup>3</sup> 7,573       0.3       •       1.9 <sup>4</sup> 2.8         E       13,350       324       2,280       1.0       •       2.0 <sup>4</sup> 2.9         F       17,100       250       1,725       0.8       •       2.2 <sup>4</sup> 3.1         G       21,600       165       1,213       1.1       •       2.4 <sup>4</sup> 3.3         H       24,300       538       644       2.1       •       2.9 <sup>4</sup> 3.9         I       27,470       400       2,119       0.3       •       4.8 <sup>4</sup> 5.3         J       28,539       158       1,367       0.0       •       5.2 <sup>4</sup> 5.7         K       30,658       2,194       8,638       0.0       •       5.2 <sup>4</sup> 5.7         M       31,807       1,970       6,160       0.0       •       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       •       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       •       5.3 <sup>4</sup> 5.8         Q       37,526       38       82	N/A N/A	N/A N/A	1.8 <sup>⁺</sup> 1.8 <sup>4</sup>	*	N/A N/A	N/A N/A	N/A N/A	4,600 8,600	B' C <sup>1</sup>
E       13,350       324       2,280       1.0       *       2.0 <sup>4</sup> 2.9         F       17,100       250       1,725       0.8       *       2.2 <sup>4</sup> 3.1         G       21,600       165       1,213       1.1       *       2.4 <sup>4</sup> 3.3         H       24,300       538       644       2.1       *       2.9 <sup>4</sup> 3.9         I       27,470       400       2,119       0.3       *       4.8 <sup>4</sup> 5.3         J       28,539       158       1,367       0.0       *       5.2 <sup>4</sup> 5.7         K       30,658       2,194       8,638       0.0       *       5.2 <sup>4</sup> 5.7         L       31,176       1,633       5,601       0.0       *       5.2 <sup>4</sup> 5.7         M       34,054       745       6,664       0.0       *       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3 <t< td=""><td>0.9</td><td>2.8</td><td>1.9<sup>4</sup></td><td>*</td><td>0.3</td><td>7,573</td><td>2,190 / 1.630<sup>3</sup></td><td>11,100</td><td>D</td></t<>	0.9	2.8	1.9 <sup>4</sup>	*	0.3	7,573	2,190 / 1.630 <sup>3</sup>	11,100	D
F       17,100       250       1,725       0.8       *       2.2 <sup>4</sup> 3.1         G       21,600       165       1,213       1.1       *       2.4 <sup>4</sup> 3.3         H       24,300       538       644       2.1       *       2.9 <sup>4</sup> 3.9         I       27,470       400       2,119       0.3       *       4.8 <sup>4</sup> 5.3         J       28,539       158       1,367       0.0       *       5.2 <sup>4</sup> 5.7         K       30,658       2,194       8,638       0.0       *       5.2 <sup>4</sup> 5.7         L       31,176       1,633       5,601       0.0       *       5.2 <sup>4</sup> 5.7         M       31,807       1,970       6,160       0.0       *       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       *       5.2 <sup>4</sup> 5.7         N       35,987       40       120       0.4       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3 <th< td=""><td>0.9</td><td>2.9</td><td>2.0<sup>4</sup></td><td>*</td><td>1.0</td><td>2,280</td><td>324</td><td>13,350</td><td>E</td></th<>	0.9	2.9	2.0 <sup>4</sup>	*	1.0	2,280	324	13,350	E
G       21,600       165       1,213       1.1       *       2.4*       3.3         H       24,300       538       644       2.1       *       2.9*       3.9         I       27,470       400       2,119       0.3       *       4.8*       5.3         J       28,539       158       1,367       0.0       *       5.2*       5.7         K       30,658       2,194       8,638       0.0       *       5.2*       5.7         L       31,176       1,633       5,601       0.0       *       5.2*       5.7         M       31,807       1,970       6,160       0.0       *       5.2*       5.7         N       34,054       745       6,664       0.0       *       5.2*       5.7         N       34,054       745       6,664       0.0       *       5.3*       5.8         P       36,697       57       134       0.2       *       5.3*       5.8         Q       37,526       38       82       0.3       *       5.3*       5.8         Q       37,526       38       82       0.3       *       5.3*	0.9	3.1	2.2 <sup>4</sup>	*	0.8	1,725	250	17,100	F
H       24,300       538       644       2.1       -       2.9°       3.9         I       27,470       400       2,119       0.3       +       4.8 <sup>4</sup> 5.3         J       28,539       158       1,367       0.0       +       5.2 <sup>4</sup> 5.7         K       30,658       2,194       8,638       0.0       +       5.2 <sup>4</sup> 5.7         L       31,176       1,633       5,601       0.0       +       5.2 <sup>4</sup> 5.7         M       31,807       1,970       6,160       0.0       +       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       +       5.2 <sup>4</sup> 5.7         O       35,987       40       120       0.4       +       5.3 <sup>4</sup> 5.8         P       36,697       57       134       0.2       +       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       +       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       +       5.3 <sup>4</sup> 5.8         *Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation <td>0.9</td> <td>3.3</td> <td>2.4</td> <td>*</td> <td>1.1</td> <td>1,213</td> <td>165</td> <td>21,600</td> <td>G</td>	0.9	3.3	2.4	*	1.1	1,213	165	21,600	G
1       27,470       400       2,119       0.3       -       4.8       5.3         J       28,539       158       1,367       0.0       *       5.2 <sup>4</sup> 5.7         K       30,658       2,194       8,638       0.0       *       5.2 <sup>4</sup> 5.7         L       31,176       1,633       5,601       0.0       *       5.2 <sup>4</sup> 5.7         M       31,807       1,970       6,160       0.0       *       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       *       5.2 <sup>4</sup> 5.7         O       35,987       40       120       0.4       *       5.3 <sup>4</sup> 5.8         P       36,697       57       134       0.2       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8         -       1       Floodway not computed/shown for this cross section       *       *       5.3 <sup>4</sup> 5.8         -       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8         -       Total width / width shown       *       *	1.0	3.9	2.9 <sup>+</sup>	*	2.1	644	538	24,300	н
J       28,339       158       1,367       0.0       1       5.2       5.7         K       30,658       2,194       8,638       0.0       *       5.2 <sup>4</sup> 5.7         L       31,176       1,633       5,601       0.0       *       5.2 <sup>4</sup> 5.7         M       31,807       1,970       6,160       0.0       *       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       *       5.2 <sup>4</sup> 5.7         O       35,987       40       120       0.4       *       5.3 <sup>4</sup> 5.8         P       36,697       57       134       0.2       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8         -       -       -       -       -       -       -       - <sup>1</sup> Floodway not computed/shown for this cross section       -	0.5	5.3	4.8 <sup>+</sup>	*	0.3	2,119	400	27,470	
N       30,030       2,194       0,035       0.0       3.2       3.7         L       31,176       1,633       5,601       0.0       *       5.2 <sup>4</sup> 5.7         M       31,807       1,970       6,160       0.0       *       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       *       5.2 <sup>4</sup> 5.7         O       35,987       40       120       0.4       *       5.3 <sup>4</sup> 5.8         P       36,697       57       134       0.2       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8         *       1       5.3       5.3 <sup>4</sup> 5.8       5.3 <sup>4</sup> 5.8         *       2       38       82       0.3       *       5.3 <sup>4</sup> 5.8         *       5.3 <sup>4</sup> 5.8       5.3 <sup>4</sup> 5.8       5.3 <sup>4</sup> 5.8       5.8         *       Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation       FLOODWAY DATA </td <td>0.5</td> <td>5.7 5.7</td> <td>5.2 5.2<sup>4</sup></td> <td>*</td> <td>0.0</td> <td>1,307</td> <td>158</td> <td>28,539</td> <td>J</td>	0.5	5.7 5.7	5.2 5.2 <sup>4</sup>	*	0.0	1,307	158	28,539	J
L       31,170       1,033       3,001       0.0       *       3.2       3.7         M       31,807       1,970       6,160       0.0       *       5.2 <sup>4</sup> 5.7         N       34,054       745       6,664       0.0       *       5.2 <sup>4</sup> 5.7         O       35,987       40       120       0.4       *       5.3 <sup>4</sup> 5.8         P       36,697       57       134       0.2       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8         I       Floodway not computed/shown for this cross section       *       5.3 <sup>4</sup> 5.8       5.8 <sup>2</sup> Feet above mouth       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8 <sup>1</sup> Floodway not computed/shown for this cross section       *       *       5.3 <sup>4</sup> 5.8 <sup>2</sup> Feet above mouth       *       *       5.3 <sup>4</sup> 5.8         *Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation       *       FLOODWAY DATA         FEDORIDA	0.5	5.7 5.7	5.2 5.2 <sup>4</sup>	*	0.0	0,030 5,601	2,194	30,030	K I
N       31,007       1,970       0,100       0.0       3.2       3.7         N       34,054       745       6,664       0.0       *       5.2 <sup>4</sup> 5.7         O       35,987       40       120       0.4       *       5.3 <sup>4</sup> 5.8         P       36,697       57       134       0.2       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8         -1 <sup>1</sup> Floodway not computed/shown for this cross section       *       5.3 <sup>4</sup> 5.8       5.8         -1 <sup>2</sup> Feet above mouth       *       5.3 <sup>4</sup> 5.8       5.8       5.8         -1 <sup>2</sup> Feet above mouth       *       5.3 <sup>4</sup> 5.8       5.8         * Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation       FLOODWAY DATA         FLOODWAY DATA	0.5	5.7 5.7	5.2 5.2 <sup>4</sup>	*	0.0	5,601	1,033	31,170	L
N       34,04       140       120       0.4       *       5.3       5.3       5.8         P       36,697       57       134       0.2       *       5.3       5.8         Q       37,526       38       82       0.3       *       5.3       5.8         *       5.3       5.3       5.8       5.8       5.8       5.8         Q       37,526       38       82       0.3       *       5.3       5.8         *       5.3       5.3       5.8       5.8       5.8       5.8       5.8         *       7.526       38       82       0.3       *       5.3       5.8         *       5.3       5.8       5.8       5.8       5.8       5.8         *       7.526       38       82       0.3       *       5.3       5.8         *       7.7       7.7       134       0.2       *       5.3       5.8         *       7.7       7.7       1.8       82       0.3       *       5.3       5.8         *       *       7.7       7.7       1.8       8.7       7.7       7.7       7.7	0.5	5.7	5.2 5.2 <sup>4</sup>	*	0.0	6,664	745	34.054	N
P       36,697       57       134       0.2       *       5.3 <sup>4</sup> 5.8         Q       37,526       38       82       0.3       *       5.3 <sup>4</sup> 5.8 <sup>1</sup> Floodway not computed/shown for this cross section       *       5.3 <sup>4</sup> 5.8       5.8 <sup>1</sup> Floodway not computed/shown for this cross section       *       5.3 <sup>4</sup> 5.8 <sup>1</sup> Floodway not computed/shown for this cross section       *       *       5.3 <sup>4</sup> 5.8 <sup>1</sup> Floodway not computed/shown       for this cross section       *       *       5.3 <sup>4</sup> 5.8 <sup>1</sup> Floodway not computed without consideration of backwater effects from Estero Bay       *       *       5.8       5.8 <sup>2</sup> Feet above mouth       *       *       *       5.3 <sup>4</sup> 5.8 <sup>3</sup> Total width / width shown       *       *       *       *       * <sup>4</sup> Elevation computed without consideration of backwater effects from Estero Bay       *       *       *       *       *       *         * Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation       *       FLOODWAY DATA         LEE COUNTY FLORIDA       *       *       *       *       *       *    <	0.5	5.7	$5.2^{4}$	*	0.0	120	40	35 987	0
Q     37,526     38     82     0.3     *     5.3 <sup>4</sup> 5.8 <sup>1</sup> Floodway not computed/shown for this cross section <sup>2</sup> Feet above mouth <sup>3</sup> Total width / width shown <sup>4</sup> Elevation computed without consideration of backwater effects from Estero Bay       *Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation       FEDERAL EMERGENCY MANAGEMENT AGENCY       LEE COUNTY_FLORIDA	0.5	5.8	$5.3^4$	*	0.1	134	57	36 697	P
<sup>1</sup> Floodway not computed/shown for this cross section <sup>2</sup> Feet above mouth <sup>3</sup> Total width / width shown <sup>4</sup> Elevation computed without consideration of backwater effects from Estero Bay *Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation <b>FEDERAL EMERGENCY MANAGEMENT AGENCY I FE COUNTY FLORIDA</b>	0.5	5.8	5.3 <sup>4</sup>	*	0.3	82	38	37,526	Q
FEDERAL EMERGENCY MANAGEMENT AGENCY I FE COUNTY FLORIDA FLOODWAY DATA	_1		1	/ ase flood elevatior	from Estero Bay o for regulatory b	ction ckwater effects rance Rate Map	r this cross se deration of ba ee Flood Insu	nputed/shown fo n shown ed without consi stal flooding – s	<sup>1</sup> Floodway not con <sup>2</sup> Feet above mouth <sup>3</sup> Total width / width <sup>4</sup> Elevation comput *Controlled by coa
		ОАТА	OODWAY D	FL					FEDERAL EN
FLOODING SOURCE: HENDRY CRE	FLOODING SOURCE: HENDRY CREEK								

						1% ANNUAL CHANCE FLOOD WATER SURFACE				
	LUCAT			FLOODWAY			<b>ELEVATION (FE</b>	ET NAVD88)		
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
	A B C	3,855 5,405 10,372	632 54 50	2,081 376 148	0.3 1.8 0.2	* *	3.1 <sup>2</sup> 6.9 <sup>2</sup> 7.0 <sup>2</sup>	4.0 6.9 7.3	0.9 0.0 0.3	
'F€ ²El₀ *Co	eet above mouth levation compute ontrolled by coa	n ed without consi istal flooding – s	ideration of bad ee Flood Insur	ckwater effects ance Rate Map	from Estero Bay o for regulatory b	, ase flood elevation	1			
	FEDERAL EM	IERGENCY MA		AGENCY		FL	OODWAY [	DATA		
		D INCORPORA				FLOODING SO	URCE: HEND		/EST	

	LOCAT	ION		FLOODWAY	1	1% ANNU	AL CHANCE FLO ELEVATION (FE	OOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	A B C D E F G H <sup>1</sup> Feet above mouth <sup>2</sup> Combined coasta <sup>3</sup> Elevation comput *Controlled by coa	0 991 1,667 2,891 4,391 5,691 7,091 8,813 N I and riverine ef ed without cons stal flooding – s	222 90 144 318 945 1,118 196 1,006 fects from Cal ideration of basee Flood Insu	1,296 873 941 2,284 5,239 4,348 1,543 4,551 oosahatchee R ackwater effects	4.4 6.5 6.1 2.3 1.0 1.2 3.4 1.2 3.4 1.2	* * * 9.7 <sup>2</sup> 9.9 <sup>2</sup> 10.2 <sup>2</sup> Creek tchee River base flood elevatior	2.2 <sup>3</sup> 5.0 <sup>3</sup> 6.2 <sup>3</sup> 7.7 <sup>3</sup> 8.2 <sup>3</sup> 8.5 <sup>3</sup> 9.0 <sup>3</sup> 9.6 <sup>3</sup>	3.2 5.3 6.7 8.2 8.9 9.2 9.7 10.5	1.0 0.3 0.5 0.7 0.7 0.7 0.9
	FEDERAL EN	IERGENCY MA	NAGEMENT	GEMENT AGENCY		FL	.OODWAY I	DATA	
1		COUNTY,	FLORIDA	A		FLOODING	SOURCE: H		(

	LOCAT	ION		FLOODWAY	,	1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	I J K	11,623 27,006 32,808	170 96 64	1,134 959 837	4.3 2.1 1.0	15.4 21.7 22.1	15.4 21.7 22.1	15.7 22.3 22.7	0.3 0.6 0.6
	<sup>1</sup> Feet above mout	h							
TABL				AGENCY		FL	OODWAY [	ΟΑΤΑ	
E 23		D INCORPORA	TED AREAS	•	FLO		E: HICKEY C		AGEWAY

LOCA	TION		FLOODWAY		1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET) <sup>2</sup>	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
						3			
A	2,000	130	927	5.3	*	1.3°	1.3	0.0	
В	4,000	199	1,706	2.9	*	1.7°	2.0	0.3	
С	5,000	210	1,507	3.3	*	1.9 <sup>°</sup>	2.2	0.3	
D	7,000	228	1,812	2.7	*	2.3°	2.6	0.3	
E	10,000	280	2,033	2.4	*	2.8 <sup>3</sup>	3.0	0.2	
F	11,000	240	2,205	2.2	*	2.9 <sup>3</sup>	3.1	0.2	
G	13,250	255	1,854	2.7	*	$3.2^{3}$	3.4	0.2	
Н	13,450	260	1,851	2.7	*	3.2 <sup>3</sup>	3.4	0.2	
I	15,000	150	1,441	3.4	*	3.4 <sup>3</sup>	3.6	0.2	
J	22,000	110	1,079	2.8	*	5.2 <sup>3</sup>	5.6	0.4	
К	23,000	150	1,060	2.9	*	5.6 <sup>3</sup>	6.0	0.4	
L	23,750	150	1,327	2.3	*	5.9 <sup>3</sup>	6.3	0.4	
М	24,150	150	1,138	2.7	*	6.4 <sup>3</sup>	6.8	0.4	
Ν	26.000	310	1,441	2.1	*	7.3 <sup>3</sup>	8.0	0.7	
0	27.600	296	2.081	1.5	*	8.3 <sup>3</sup>	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	
Ť	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	

<sup>1</sup>Feet above mouth

<sup>2</sup>Value is inaccurate, as the floodway has been adjusted in this area to reflect more detailed and up-to-date stream channel configuration
 <sup>3</sup>Elevation computed without consideration of backwater effects from Estero Bay
 \*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

ΤA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA						
BLE	LEE COUNTY, FLORIDA							
23	AND INCORPORATED AREAS	FLOODING SOURCE: IMPERIAL RIVER						
LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	OOD WATER SU EET NAVD88)	RFACE
---	---	---	---	--	---------------------------------------	--	---	---
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A <sup>1</sup> B C D E F G H I J <sup>1</sup> Floodway not cor <sup>2</sup> Feet above mout <sup>3</sup> Elevation comput *Controlled by coa	0 604 754 1,107 1,217 2,047 2,436 2,948 3,593 4,880 4,880	N/A 334 278 247 226 147 129 153 147 147 147	N/A 848 1,726 1,254 2,068 1,051 516 682 674 387 ection ckwater effects rance Rate Map	N/A 1.3 0.6 0.8 0.4 0.7 1.2 0.5 1.5 0.6 from Caloosaha p for regulatory b	* * * * * * * * * * * * * * * * * * *	2.5 <sup>3</sup> 7.6 <sup>3</sup> 7.6 <sup>3</sup> 7.6 <sup>3</sup> 7.6 <sup>3</sup> 7.6 <sup>3</sup> 7.6 <sup>3</sup> 8.1 <sup>3</sup>	N/A 7.9 8.2 8.2 8.2 8.2 8.2 8.2 8.3 8.4 9.0	N/A 0.4 0.6 0.6 0.6 0.6 0.7 0.8 0.9
FEDERAL EN	IERGENCY MA	NAGEMENT	AGENCY		FL	.OODWAY [	DATA	
	LEE COUNTY, FLORIDA AND INCORPORATED AREAS				FLOODING S	SOURCE: KIC	KAPOO CREI	ΞK

LOCA	TION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A B C D E F G H I J	0 970 2,270 3,930 5,080 6,890 7,915 9,210 11,230 12,330 12,330	55 56 61 42 40 52 30 40 40 68	194 295 305 190 204 232 154 196 131 274	2.7 1.6 1.5 1.7 1.5 1.4 1.9 0.6 1.0 0.1	8.3 8.8 9.1 9.4 9.8 10.4 11.1 11.6 14.0 14.0	8.3 8.8 9.1 9.4 9.8 10.4 11.1 11.6 14.0 14.0	8.3 8.8 9.1 9.4 9.8 10.5 11.3 11.8 14.0 14.0	0.0 0.0 0.0 0.0 0.0 0.1 0.2 0.2 0.0 0.0 0.0
L	13,430	43	184	0.2	14.0	14.0	14.0	0.0
<sup>1</sup> Feet above mot	uth							
FEDERAL E	MERGENCY MA				FL	OODWAY I	DATA	
	AND INCORPORATED AREAS				FLOODI	NG SOURCE:	L-3 CANAL	

LOCA	TION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A B C D E F G H I J K <sup>1</sup> Feet above mou <sup>2</sup> Combined coast <sup>3</sup> Elevation compu *Controlled by co	837 3,611 4,225 4,679 6,569 10,569 10,965 11,204 11,452 12,877 th ral and riverine effuted without consists astal flooding – s	68 18 105 185 370 445 250 80 60 100 700 700	418 126 556 835 1,390 709 590 437 350 462 2,513 ero Bay and Lei ackwater effects rance Rate Map	1.7 5.1 1.2 0.8 0.4 0.6 0.7 0.9 1.2 0.9 0.2 0.2	9.3 <sup>2</sup> 9.4 <sup>2</sup> 11.8 11.9 12.3 12.5 12.9 13.4 13.9 13.9	6.0 <sup>3</sup> 7.7 <sup>3</sup> 11.8 11.9 12.3 12.5 12.9 13.4 13.9 13.9	6.4 8.1 12.6 12.9 13.2 13.4 13.9 14.4 14.9 14.9	0.4 0.8 0.8 1.0 0.9 0.9 1.0 1.0 1.0
FEDERAL E	MERGENCY MA	NAGEMENT	AGENCY		FL	.OODWAY [	ΟΑΤΑ	
	AND INCORPORATED AREAS			FLOODING SOURCE: LEITNER CREEK			к	

LOCA	TION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	OOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A <sup>1</sup> B <sup>1</sup> C D E F G H I J K L M N	0 380 1,562 1,799 2,527 2,961 4,442 4,837 5,467 6,127 6,787 7,452 8,137 8,766 omputed/shown fouth tal and riverine effuted without consi bastal flooding – s	N/A N/A 30 36 48 38 34 38 44 43 40 40 40 40 30	N/A N/A 134 182 118 134 74 135 186 156 153 115 86 55 ection oosahatchee R ickwater effects rance Rate Mag	N/A N/A 2.8 2.0 2.8 2.5 3.7 2.0 1.2 1.2 1.0 1.1 1.0 0.9	* * * * 10.4 <sup>3</sup> 11.0 <sup>3</sup> 11.2 11.3 11.5 11.6 11.8 12.0  B Branch atchee River base flood elevation	$\begin{array}{c} 0.2^{4}\\ 2.0^{4}\\ 6.4^{4}\\ 7.1^{4}\\ 7.5^{4}\\ 8.3^{4}\\ 10.3^{4}\\ 10.9^{4}\\ 11.2\\ 11.3\\ 11.5\\ 11.6\\ 11.8\\ 12.0\\ \end{array}$	N/A N/A 6.4 7.1 7.5 8.3 10.3 10.9 11.2 11.3 11.5 11.6 11.8 12.0	N/A N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
FEDERAL E			AGENCY		FL	OODWAY I	DATA	
	AND INCORPORATED AREAS				FLOODING S	OURCE: MAN		СН

LOCA	TION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A <sup>1</sup> B C D E F G H I J K	0 3,000 4,700 7,993 9,268 11,208 12,599 13,910 15,237 16,298 19,194 omputed/shown for uth tal and riverine effuted without consists	N/A 74 52 63 72 50 40 44 32 32 47 er this cross se fects from Cal ideration of ba ee Flood Insu	N/A 377 307 431 343 194 208 175 158 129 126 126 ection oosahatchee Ri ckwater effects rance Rate Map	N/A 1.9 2.3 1.1 1.4 0.7 0.8 0.9 1.1 1.1 1.1 ver and Marsh F from Caloosaha o for regulatory b	* * 9.1 <sup>3</sup> 10.8 <sup>3</sup> 11.9 <sup>3</sup> 11.9 12.9 13.1 16.0 Point Creek	$-0.2^{4}$ 2.4 <sup>4</sup> 3.1 <sup>4</sup> 7.5 <sup>4</sup> 7.9 <sup>4</sup> 10.7 <sup>4</sup> 11.8 <sup>4</sup> 11.9 12.9 13.1 16.0	N/A 2.8 3.7 7.7 8.0 11.0 12.0 12.1 13.8 13.9 16.9	N/A 0.4 0.6 0.2 0.1 0.3 0.2 0.2 0.9 0.8 0.9
FEDERAL E	MERGENCY MA	NAGEMENT	AGENCY		FL	.OODWAY I	ΟΑΤΑ	
	LEE COUNTY, FLORIDA		FLOODING SOURCE: MARSH POINT CREEK					

LOCA	TION		FLOODWAY		1% ANNUAL CH	ANCE FLOOD W (FEET NA	ATER SURFACE VD88)	ELEVATION
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A B C D E F G H I J K	9,500 10,250 10,353 11,503 13,303 14,583 17,056 20,874 22,521 22,743 23,966	185 201 201 180 110 2,168 1,517 1,432 1,602 1,642 1,572	1,320 1,267 1,356 1,461 961 6,105 1,287 2,501 2,952 3,046 2,866 ero Bay and Mu	1.6 1.6 1.5 1.4 2.1 0.3 1.6 0.4 0.3 0.3 0.3 0.1	* * * * 11.8 <sup>2</sup> 14.6 14.7 14.7 14.7 14.7	3.0 <sup>3</sup> 3.1 <sup>3</sup> 3.2 <sup>3</sup> 3.5 <sup>3</sup> 9.9 <sup>3</sup> 11.7 <sup>3</sup> 14.6 14.7 14.7 14.7	3.9 4.0 4.0 4.1 4.4 9.9 12.0 15.5 15.6 15.6 15.6	0.9 0.9 0.9 0.9 0.9 0.0 0.3 0.9 0.9 0.9 0.9 0.9
FEDERAL E	MERGENCY MA	NAGEMENT	AGENCY		FL	.00DWAY I	DATA	
	LEE COUNTY, FLORIDA				FLOODING	SOURCE: MU	LLOCK CREE	K

LOCAT	ION		FLOODWAY	-	1% ANNUAL CH	ANCE FLOOD W (FEET NA	ATER SURFACE VD88)	ELEVATION
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY <sup>2</sup>	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A B C D E F G H <sup>1</sup> Feet above mout <sup>2</sup> Combined coasta <sup>3</sup> Elevation comput *Controlled by coa	0 1,545 3,945 6,229 7,143 8,691 8,833 10,835 10,835	180 224 103 853 769 409 410 93 93	1,473 1,055 282 1,539 1,552 1,028 954 211 ero Bay and Mu ckwater effects rance Rate Map	0.6 0.5 2.0 0.4 0.4 0.4 1.8 Illock Creek Trit from Estero Ba p for regulatory	* * * 13.0 <sup>2</sup> butary	3.2 <sup>3</sup> 3.2 <sup>3</sup> 4.2 <sup>3</sup> 5.5 <sup>3</sup> 6.1 <sup>3</sup> 9.0 <sup>3</sup> 9.4 <sup>3</sup> 12.8 <sup>3</sup>	4.2 4.2 4.7 5.5 6.3 9.2 9.6 12.9	1.0 1.0 0.5 0.0 0.2 0.2 0.2 0.1
FEDERAL EN	IERGENCY MA	NAGEMENT	AGENCY		FL	OODWAY [	ΟΑΤΑ	
	LEE COUNTY, FLORIDA AND INCORPORATED AREAS			FLO		CE: MULLOCI	K CREEK TRI	BUTARY

	LOCATION			FLOODWAY		1% ANNUA E	L CHANCE FLC ELEVATION (FE	DOD WATER SL ET NAVD88)	JRFACE			
MBR NO. (I,J)	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE			
1575 (9,23) 1574 (9,24) 1572 (9,26) 1571 (9,27 1569 (9,29) 1567 (9,31) 1566 (9,32)	A B C D E F G	5,200 5,817 6,617 7,417 8,217 9,017 9,817	46 55 53 56 53 56	170 233 253 253 264 256 269	1.8 1.2 1.1 1.1 1.1 1.1 1.0	17.5 <sup>2</sup> 17.5 <sup>2</sup> 17.5 <sup>2</sup> 17.6 <sup>2</sup> 17.6 <sup>2</sup> 17.6 <sup>2</sup>	15.1 15.3 15.4 15.5 15.6 15.6	15.5 15.6 15.7 15.7 15.8 15.8 15.9	0.3 0.3 0.2 0.3 0.2 0.3			
<sup>1</sup> Feet above m <sup>2</sup> The regulatory HEC-RAS 1D	outh y elevations w model was us	ere defined wit ed to define the	h the S2DMM floodway wid	2D model and Ith and the "Wit	should be used hout Floodway"	d for flood insurand elevations do not	ce and floodplair agree with S2DI	n management d MM model.	ecisions. The			
FEDERA				Y		FLOO	DWAY DA	ТА				
I		LEE COUNTY, FLORIDA				FLOODING SOURCE: NORTH COLONIAL WATERWAY						

LOCA	TION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A B C D E F G H I I	200 2,803 4,537 6,472 7,668 8,778 12,090 12,648 13,270 th tal and riverine effuted without considered without considered and the set of the set	70 50 33 274 40 30 135 263 fects from Est ideration of ba	252 295 412 257 958 208 166 1,447 806	4.3 3.3 2.1 2.8 0.5 2.5 3.0 0.3 0.5 k Creek from Estero Bay	* * * 9.4 <sup>2</sup> 10.7 <sup>2</sup> 11.0 11.1	-0.4 <sup>3</sup> 4.1 <sup>3</sup> 5.1 <sup>3</sup> 5.8 <sup>3</sup> 6.3 <sup>3</sup> 6.4 <sup>3</sup> 10.4 <sup>3</sup> 11.0 11.1	0.3 4.1 5.1 5.9 6.5 6.5 10.9 12.0 12.0	0.7 0.0 0.1 0.2 0.1 0.5 1.0 0.9
FEDERAL E	MERGENCY MA	NAGEMENT	AGENCY		FL	OODWAY I	ΟΑΤΑ	
	AND INCORPORATED AREAS				FLOODIN		OAK CREEK	

LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
<b>Δ</b> <sup>1</sup>	1 200	Ν/Δ	NI/A	N/A	*	1 Q <sup>4</sup>	N/A	NI/A
B <sup>1</sup>	2 300	N/A	N/A	N/A	*	$2.5^4$	N/A	N/A
C	4 770	200	1 974	53	*	$4.5^{4}$	5.1	0.6
D	8 690	633	5 025	1 9	*	$6.0^4$	67	0.0
F	10 740	772	5 435	1.0	*	$6.4^4$	7 1	0.7
F	12 840	1 561	9.862	1.7	*	6.8 <sup>4</sup>	7.1	0.7
Ġ	14 640	1,559	8 838	1.0	*	$7.0^{4}$	7.8	0.8
н	15,958	2 183	11 734	0.8	*	7.0 <sup>4</sup>	8.0	0.8
1	16,550	1 785	8 897	1 1	*	7.2 7.3 <sup>4</sup>	8.0	0.8
.l	18 258	2 590	11 744	0.8	*	$7.6^{4}$	8.4	0.8
ĸ	19.058	2 770	14 135	0.7	*	7.8 <sup>4</sup>	87	0.9
I	20,658	1 965	8 813	1 1	9 5 <sup>3</sup>	$8.0^{4}$	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
0	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 <sup>3</sup>	$9.2^4$	10.1	0.9
0 0	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 <sup>3</sup>	9.7 <sup>4</sup>	10.7	1.0
S	29.024	123	1.099	6.9	$10.2^{3}$	9.7 <sup>4</sup>	10.6	0.9
T	30,507	1,751	11,314	0.7	11.4 <sup>3</sup>	11.1 <sup>4</sup>	11.8	0.7
<sup>1</sup> Floodway not cor <sup>2</sup> Feet above mout <sup>3</sup> Combined coasta <sup>4</sup> Elevation comput *Controlled by coa	nputed/shown fo h al and riverine eff red without consi astal flooding – s	fects from Cal ideration of ba ee Flood Insu	L ection oosahatchee R ackwater effects rance Rate Map	ver and Orange from Caloosaha o for regulatory b	River tchee River ase flood elevatior	ns	<u> </u>	1
FEDERAL EN	FEDERAL EMERGENCY MANAGEMENT AGENCY				FL	OODWAY D	ΟΑΤΑ	
LEE	LEE COUNTY, FLORIDA							

	LOCAT	ΓΙΟΝ		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	OOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	U V W X Y Z AA AB AC <sup>1</sup> Feet above mout <sup>2</sup> Combined coasta <sup>3</sup> Elevation compu	32,660 34,582 35,582 36,752 38,542 39,942 43,342 44,050 44,830 th al and riverine eff ted without consi	1,765 3,417 1,795 1,531 742 1,185 2,781 2,263 2,731	8,903 18,197 12,999 7,693 5,035 8,786 10,530 12,982 13,732	0.9 0.5 0.6 1.1 1.6 0.9 0.8 0.6 0.6 0.6	12.1 <sup>2</sup> 12.6 <sup>2</sup> 12.8 <sup>2</sup> 13.0 <sup>2</sup> 14.3 <sup>2</sup> 15.0 16.1 16.8 17.1	$ \begin{array}{r} 11.9^{3} \\ 12.5^{3} \\ 12.7^{3} \\ 12.9^{3} \\ 14.3^{3} \\ 15.0 \\ 16.1 \\ 16.8 \\ 17.1 \\ \end{array} $	12.8 13.4 13.6 13.8 15.2 16.0 17.1 17.7 18.0	0.9 0.9 0.9 0.9 1.0 1.0 0.9 0.9
TAB	FEDERAL EI		NAGEMENT	AGENCY		FL	.OODWAY I	DATA	
LE 23		E COUNTY,	FLORIDA	<b>A</b>		FLOODING	SOURCE: O	RANGE RIVE	र

LOCA	TION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	OOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A <sup>1</sup> B <sup>1</sup> C <sup>1</sup> D E F G H I J K	0 1,003 4,818 6,641 7,451 9,077 9,582 10,717 12,282 12,392 12,632 0 mputed/shown fouth tal and riverine effuted without consists of the fourth	N/A N/A 125 120 148 177 169 135 115 115 115 er this cross se fects from Ca deration of ba ee Flood Insu	N/A N/A N/A 689 388 811 887 557 251 248 225 225 ection oosahatchee Ri ackwater effects rance Rate Map	N/A N/A N/A 1.0 1.8 1.2 0.3 0.5 0.2 0.2 0.2 0.2 0.2 0.2 0.2	* * 10.8 <sup>3</sup> 11.3 <sup>3</sup> 18.0 18.0 18.2 19.8 20.0 20.0 20.0	-0.1 <sup>4</sup> 4.4 <sup>4</sup> 6.3 <sup>4</sup> 10.4 <sup>4</sup> 11.1 <sup>4</sup> 18.0 18.0 18.2 19.8 20.0 20.0	N/A N/A 10.9 11.4 19.0 19.2 20.7 21.0 21.0	N/A N/A 0.5 0.3 1.0 1.0 1.0 1.0 1.0
FEDERAL E	MERGENCY MA	NAGEMENT	AGENCY		FL	.OODWAY [	DATA	
	E COUNTY, ND INCORPORA	, FLORIDA			FLOODING SOURCE: OWL CREEK			

LOCAT	ΓΙΟΝ		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
a 1		N1/A	N1/A			o. o <sup>4</sup>		
A	0	N/A	N/A	N/A	о <b>г</b> <sup>3</sup>	0.0	N/A	N/A
В	2,514	200	927	1.3	9.5	9.2	9.8	0.6
C	3,684	50	261	3.9	10.6	10.4	11.3	0.9
D	4,854	1,097	2,754	0.4	12.8°	12.7	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
Н	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
Ö	13,365	250	832	0.7	20.1	20.1	21.0	0.9
Р	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
5	17,295	152	414	0.9	22.4	22.4	23.4	1.0
loodway not col eet above mout combined coasta levation compu Controlled by coa	mputed/shown fo h al and riverine eff ted without consi astal flooding – s	r this cross so fects from Ca deration of ba ee Flood Insu	ection oosahatchee Ri ackwater effects irance Rate Map	ver and Palm C from Caloosaha for regulatory b	reek atchee River base flood elevatior	1	<u>.</u>	·
FEDERAL EMERGENCY MANAGEMENT AGENCY					FL	OODWAY I	DATA	
					FLOODING SOURCE: PALM CREEK			

AND INCORPORATED AREAS

LOCA	ΓΙΟΝ		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A 1	0	N1/A	N1/A	N1/A	*	0.14	N1/A	N1/A
А 0 <sup>1</sup>	1 225	IN/A	IN/A	IN/A	*	-0.1	IN/A	IN/A
	1,225	IN/A	IN/A	IN/A	*	1.4 2.4 <sup>4</sup>	IN/A	IN/A
	2,025	IN/A	IN/A	IN/A	*	2.1	IN/A	IN/A
D 51	2,925	N/A	N/A	N/A	+	2.5 2.9 <sup>4</sup>	N/A	N/A
E <sup>1</sup>	3,925	N/A	N/A	N/A	^ 	$2.8^{+}$	N/A	N/A
F	4,830	N/A	N/A	N/A	*	3.5	N/A	N/A
G	5,660	40	363	3.5	*	4.1	5.0	0.9
Н	7,675	60	266	4.2	*	6.1 <sup>+</sup>	7.0	0.9
I	8,576	86	466	2.4	*	7.0⁺	8.0	1.0
J	11,612	44	219	5.1	12.4°	12.3 <sup>⁴</sup>	13.2	0.9
K	13,218	132	621	1.8	14.0°	14.0 <sup>4</sup>	15.0	1.0
L	14,519	48	242	4.7	15.7 <sup>3</sup>	15.7 <sup>4</sup>	16.5	0.8
Μ	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
0	18,469	500	1,642	0.7	20.0	20.0	20.9	0.9
Р	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
Т	22,213	1,074	1,753	0.7	21.5	21.5	22.5	1.0
Floodway not co Feet above mou Combined coast Elevation compu Controlled by co	mputed/shown fo th al and riverine eff ted without consi astal flooding – s	fects from Cal deration of ba ee Flood Insu	ection oosahatchee Ri ickwater effects rance Rate Map	ver and Palm Ci from Caloosaha o for regulatory b	eek tchee River ase flood elevatior	1	1	1
FEDERAL EI	FEDERAL EMERGENCY MANAGEMENT AGENCY LEE COUNTY, FLORIDA				FI		ΔΤΑ	
LEI								
A N					FLOODING SOURCE: POPASH CREEK			

	LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU ET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	U V X Y Z AA	22,368 23,529 24,085 24,684 25,927 27,224 29,526	1,197 600 1,100 1,087 2,000 943 1,077	2,083 1,060 1,316 1,176 3,224 1,435 2,572	0.6 1.2 0.9 1.1 0.4 0.9 0.5	21.6 22.6 23.1 23.7 24.4 25.1	21.6 22.6 23.1 23.7 24.4 25.1	22.6 23.5 24.0 24.2 24.7 25.3 26.1	1.0 0.9 0.5 1.0 0.9 1.0
TA	FEDERAL EN	FEDERAL EMERGENCY MANAGEMENT AGENCY				FL			
BLE 23		E COUNTY, D INCORPORA	FLORIDA	<b>A</b>		FLOODING	SOURCE: PC	PASH CREE	ĸ

LO	CATION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	OOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A <sup>1</sup> B <sup>1</sup> C D E F G H I J K L M	200 1,400 2,400 3,674 4,573 5,373 7,116 8,582 8,935 10,768 11,038 11,243 12,212 t computed/shown for houth bastal and riverine effinition of the set of	N/A N/A 450 350 635 652 305 75 32 600 560 500 500 500 500	N/A N/A 1,393 2,214 2,883 3,368 1,443 457 447 1,811 1,231 1,713 1,413 ection	N/A N/A 2.3 1.2 0.9 0.8 1.7 4.3 4.4 1.1 1.6 1.2 1.4	* * * 9.9 <sup>3</sup> 10.7 <sup>3</sup> 11.1 <sup>3</sup> 11.5 <sup>3</sup> 11.6 <sup>3</sup> 11.9 <sup>3</sup>	$\begin{array}{c} 0.9^{4}\\ 2.7^{4}\\ 4.7^{4}\\ 6.6^{4}\\ 6.7^{4}\\ 6.9^{4}\\ 8.0^{4}\\ 9.2^{4}\\ 10.5^{4}\\ 11.0^{4}\\ 11.4^{4}\\ 11.5^{4}\\ 11.9^{4} \end{array}$	N/A N/A 5.2 7.5 7.7 7.9 8.7 10.1 11.1 11.9 12.0 12.2 12.8	N/A N/A 0.5 0.9 1.0 1.0 0.7 0.9 0.6 0.9 0.6 0.7 0.9
FEDERA	L EMERGENCY MA	NAGEMENT	AGENCY		FI		ΔΤΔ	
L	LEE COUNTY, FLORIDA				FLOODWAT DATA FLOODING SOURCE: POWELL CREEK			

LOCA	TION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
N O P Q R S T U V W X Y Z AA AB	12,370 12,829 13,398 14,787 16,187 17,606 19,308 21,432 22,732 24,682 25,702 27,382 29,982 32,632 36,282	85 90 82 79 80 38 117 38 45 50 52 54 51 52 44	503 477 491 511 394 422 233 69 78 54 140 88 59 59 59 35	0.5 0.5 0.5 0.4 0.5 0.7 1.2 1.1 1.5 0.6 0.9 0.7 0.7 1.1	$ \begin{array}{c} 11.9^{2} \\ 11.9^{2} \\ 12.0^{2} \\ 12.0 \\ 12.0 \\ 12.1 \\ 15.4 \\ 15.7 \\ 16.9 \\ 17.0 \\ 17.5 \\ 18.0 \\ 18.5 \\ 19.9 \\ \end{array} $	11.9 <sup>3</sup> 11.9 <sup>3</sup> 11.9 <sup>3</sup> 12.0 12.0 12.1 15.4 15.7 16.9 17.0 17.5 18.0 18.5 19.9	12.8 12.9 12.9 12.9 13.0 15.4 15.8 16.9 17.0 17.5 18.1 18.5 19.9	$\begin{array}{c} 0.9\\ 0.9\\ 1.0\\ 1.0\\ 0.9\\ 0.9\\ 0.9\\ 0.0\\ 0.1\\ 0.0\\ 0.0\\ 0.0\\ 0.1\\ 0.0\\ 0.0$
<sup>1</sup> Feet above mouth <sup>2</sup> Combined coastal and riverine effects from Caloosahatchee Ri <sup>3</sup> Elevation computed without consideration of backwater effects FEDERAL EMERGENCY MANAGEMENT AGENCY				ver and Powell ( from Caloosaha	Creek atchee River			
LE	E COUNTY,	FLORID			FL	OODWAY I	DATA	
A	AND INCORPORATED AREAS				FLOODING	SOURCE: PO	WELL BYPAS	S

LOCA	TION		FLOODWAY		1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	155	450			$10.0^2$		40.0	0.5
A	155	150	1,115	4.5	12.8	12.3	12.8	0.5
В	1,390	1,500	5,865	0.7	13.2	12.9°	13.4	0.5
С	2,690	900	3,859	1.1	13.3 <sup>2</sup>	13.1 <sub>្</sub>	13.6	0.5
D	4,003	889	2,902	1.4	13.9 <sup>2</sup>	13.7°	14.5	0.8
E	5,517	700	3,197	1.3	14.4 <sup>2</sup>	14.3 <sup>3</sup>	15.1	0.8
F	7,855	1,200	4,348	0.9	14.9 <sup>2</sup>	14.9	15.5	0.6
G	8,743	922	3,111	1.3	15.3	15.3	15.8	0.5
Н	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
М	16,507	1,250	5,762	0.7	17.7	17.7	18.2	0.5
Ν	21,317	1,100	5,729	0.7	18.5	18.5	19.2	0.7
0	24,000	1,863	9,257	0.4	18.6	18.6	19.3	0.7
Р	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
Т	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
Х	47,397	500	2,318	0.5	21.7	21.7	22.7	1.0

<sup>2</sup>Combined coastal and riverine effects from Estero River and Six Mile Cypress Slough <sup>3</sup>Elevation computed without consideration of backwater effects from Estero River

ΤA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
BLE	LEE COUNTY, FLORIDA	
23	AND INCORPORATED AREAS	FLOODING SOURCE: SIX MILE CYPRESS SLOUGH

		LOCATION			FLOODWAY		1% ANNUA F	L CHANCE FLC	OD WATER SU	JRFACE
	MBR NO. (I,J)	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	7072 (4,77) 7072 (4,77) 6932 (4,79) 6931 (4,80) 6930 (4,81) 6928 (4,83) 6927 (4,84) 6925 (4,86) 6923 (4,87) 6923 (4,88) 6922 (4,89) 6921 (4,90) 6921 (4,90) <sup>1</sup> Feet above co <sup>2</sup> Elevation com <sup>3</sup> The regulatory HEC-RAS 1D r	A B C D E F G H I J K L M	0 1,471 1,493 2,629 3,009 4,373 5,333 6,393 7,673 8,505 9,432 10,432 10,432 11,185	317 196 237 564 120 173 150 411 634 659 534 686 584 584	1,747 934 902 722 588 574 395 862 702 546 534 1,257 749 effects from Es 2D model and Ith and the "Wit	0.3 0.6 0.7 0.8 0.7 0.9 0.5 0.7 0.9 0.8 0.4 0.6 ver should be used hout Floodway'	13.7 13.7 13.7 13.7 13.7 14.5 <sup>3</sup> 14.9 <sup>3</sup> 15.3 <sup>3</sup> 15.4 <sup>3</sup> 15.4 <sup>3</sup> 15.4 <sup>3</sup> 15.4 <sup>3</sup>	11.4 <sup>2</sup> 11.4 <sup>2</sup> 11.7 <sup>2</sup> 11.7 <sup>2</sup> 11.8 <sup>2</sup> 12.1 12.5 13.7 13.9 14.4 14.8 14.9	12.4 12.4 12.6 12.6 12.7 12.9 13.2 14.3 14.4 15.0 15.3 15.4	1.0 1.0 1.0 0.9 0.9 0.9 0.8 0.7 0.6 0.5 0.6 0.5 0.5 0.5
ΤAI	FEDERA	L EMERGEN	CY MANAGEM	ENT AGENC	Y		FLOC	DWAY DA	ТА	
BLE 23	L	EE COU	NTY, FLOF	RIDA EAS		F	FLOODING SO	URCE: SOUT	H BRANCH	

	LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE	
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
	A B C D <sup>1</sup> Feet above moutl <sup>2</sup> Combined coasta <sup>3</sup> Elevation comput	0 1,170 2,930 4,122 h Il and riverine eff ed without consi	46 70 50 44 fects from Cal ideration of ba	273 255 234 250 oosahatchee Ri	0.9 0.9 1.0 0.9 ver and Spanish from Caloosaha	12.6 <sup>2</sup> 12.7 <sup>2</sup> 12.8 <sup>2</sup> 18.4 <sup>2</sup>	12.4 <sup>3</sup> 12.5 <sup>3</sup> 12.7 <sup>3</sup> 18.4	13.4 13.5 13.6 18.4	1.0 1.0 0.9 0.0	
TA	FEDERAL EN	FEDERAL EMERGENCY MANAGEMENT AGENCY								
BLE 23		COUNTY,	FLORIDA	<b>A</b>		FLOODING	SOURCE: SP		L	

LOC	TION		FLOODWAY	,	1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A B C D E F G H I J K L	0 916 2,081 4,446 4,590 4,841 6,481 7,331 9,075 10,685 12,191 13,281 uth tal and riverine ef uted without cons pastal flooding – s	42 195 312 89 41 465 714 1,199 1,200 1,400 1,320 1,320 1,320 1,320	231 767 1,313 546 240 1,238 1,741 3,321 3,056 3,342 2,793 3,792 oosahatchee Rinckwater effects rance Rate Mag	9.7 2.9 1.5 3.7 8.4 1.6 1.2 0.6 0.7 0.6 0.8 0.2 0.2	* * 11.6 <sup>2</sup> 12.1 <sup>2</sup> 13.8 <sup>2</sup> 15.5 <sup>2</sup> 16.0 17.0 17.5 19.1 19.2 19.2	2.2 <sup>3</sup> 8.1 <sup>3</sup> 9.3 <sup>3</sup> 11.3 <sup>3</sup> 13.8 <sup>3</sup> 15.5 <sup>3</sup> 16.0 17.0 17.5 19.1 19.2	3.2 8.6 10.2 12.2 12.4 14.1 16.1 16.8 17.6 18.5 20.0 20.2	$ \begin{array}{c} 1.0\\ 0.5\\ 0.9\\ 0.9\\ 0.6\\ 0.3\\ 0.6\\ 0.8\\ 0.6\\ 1.0\\ 0.9\\ 1.0\\ \end{array} $
FEDERAL F			AGENCY		FL	OODWAY [	DATA	
	AND INCORPORATED AREAS				FLOODING	SOURCE: SP	ANISH CREE	к

LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO	DOD WATER SU ET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A B C D E F G H I J K L M N O P O	3,036 5,636 8,236 10,236 11,836 13,136 14,336 15,336 16,636 17,936 19,911 22,986 24,207 25,960 26,027 26,959 27 988	681 / 276 <sup>2</sup> 366 325 130 245 795 388 207 121 75 148 279 530 55 51 428 950	3,102 2,136 2,663 1,139 2,045 4,916 2,489 1,586 951 676 1,153 1,333 1,790 389 396 970 2,711	1.1 1.6 1.2 2.9 1.1 0.4 0.9 1.4 2.3 3.2 1.9 1.3 0.9 3.8 3.7 1.4 0.5	* * * * * * * * * * * * * * * * * * *	$1.7^{3}$ $3.2^{3}$ $3.5^{3}$ $4.1^{3}$ $4.1^{3}$ $4.1^{3}$ $4.3^{3}$ $4.4^{3}$ $4.7^{3}$ $5.3^{3}$ $7.8^{3}$ $10.3$ $11.1$ $13.0$ $13.4$ $13.4$	2.5 4.1 4.4 4.7 5.1 5.1 5.0 5.2 5.3 5.6 6.3 8.6 11.1 12.0 13.6 14.2 14.4	$\begin{array}{c} 0.8\\ 0.9\\ 0.9\\ 0.9\\ 1.0\\ 1.0\\ 1.0\\ 0.9\\ 0.9\\ 0.9\\ 0.9\\ 1.0\\ 0.8\\ 0.8\\ 0.8\\ 0.9\\ 0.6\\ 0.8\\ 1.0\\ \end{array}$
Feet above mouth Total width / width Elevation comput Controlled by coa FEDERAL EN	n n shown ed without cons stal flooding – s IERGENCY MA	ideration of ba see Flood Insu NAGEMENT	ckwater effects rance Rate Map	from Estero Bay	ase flood elevation			

	LOCAT	ION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	A B C D E	1,180 2,590 3,961 5,511 7,611	404 650 134 255 751	2,018 1,960 505 873 2,146	0.6 0.5 2.0 1.1 0.5	13.4 13.7 15.0 16.8 17.9	13.4 13.7 15.0 16.8 17.9	14.4 14.7 15.9 17.8 18.8	1.0 1.0 0.9 1.0 0.9
	<sup>1</sup> Feet above mouth	h							
	FEDERAL EN	MERGENCY MA				FL	OODWAY [	DATA	
י ג ג	AN	D INCORPORA	TED AREAS	•		FLOODING	SOURCE: STR	RICKLIN GULI	LY

LOCA	ΓΙΟΝ		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
<u>م</u> 1	0	N1/A	N1/A	N1/A	*	0.03	N1/A	N1/A
A D <sup>1</sup>	0	IN/A	IN/A	IN/A	*	0.0	IN/A	N/A
В	1,850	IN/A	IN/A	IN/A	*	1.8	N/A	N/A
	2,880	168	673	2.6	*	Ζ.1 7 Γ <sup>3</sup>	3.1	0.4
D	5,971	359	1,464	1.2	+	$7.5^{\circ}$	8.1	0.6
E	7,544	76	363	4.8	10 5	9.1	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
ĸ	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
IVI	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
U	19,629	1,080	2,858	0.5	21.4	21.4	22.0	0.6
P	21,714	1,060	2,073	0.5	21.0	21.0	22.4	0.0
Q D	22,220	1,299	2,390	0.5	22.0	22.0	23.0	1.0
IX.	20,014	1,000	3,410	0.0	20.1	20.1	27.1	1.0
<sup>1</sup> Floodway not co <sup>2</sup> Feet above mou <sup>3</sup> Elevation compu *Controlled by co	mputed/shown fo th ted without cons astal flooding – s	this cross se ideration of ba ee Flood Insu	i ection ackwater effects irance Rate Map	from Caloosaha for regulatory b	tchee River ase flood elevatior	)	1	1
FEDERAL E			AGENCY		FL	OODWAY I	DATA	
LEE COUNTY, FLORIDA			•					/

	LOCAT	ION		FLOODWAY	,	1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	A B C D E F G H I J K L M N N	0 1,790 3,153 4,430 5,718 7,755 9,211 9,462 10,932 12,088 13,430 15,528 16,847 17,307 n I and riverine effect of the second sec	500 823 330 310 962 330 590 940 732 750 902 1,220 1,882 1,566	1,541 4,795 2,313 2,804 6,465 2,737 4,105 5,776 5,860 4,689 7,845 7,356 9,354 9,742	6.9 2.2 4.6 3.8 1.7 3.9 2.6 1.9 1.9 2.5 1.5 0.1 0.1 0.1 0.1 0.1 0.1	* * 10.2 <sup>2</sup> 10.9 <sup>2</sup> 11.7 <sup>2</sup> 12.4 <sup>2</sup> 14.8 <sup>2</sup> 15.0 15.9 16.6 17.7 17.9 17.9 17.9 17.9 17.9 17.9	5.2 <sup>3</sup> 8.3 <sup>3</sup> 9.5 <sup>3</sup> 10.4 <sup>3</sup> 11.4 <sup>3</sup> 12.2 <sup>3</sup> 14.7 <sup>3</sup> 15.0 15.9 16.6 17.7 17.9 17.9 17.9	5.2 9.2 9.8 11.3 12.4 13.1 15.5 16.0 16.9 17.5 18.6 18.9 18.9 18.9 18.9	$\begin{array}{c} 0.0\\ 0.9\\ 0.3\\ 0.9\\ 1.0\\ 0.9\\ 0.8\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ \end{array}$
TARI	FEDERAL EN	FEDERAL EMERGENCY MANAGEMENT AGENCY				FL	OODWAY I	DATA	
п 22		DINCORPORA	FLORIDA TED AREAS	4		FLOODING S	OURCE: TEL	EGRAPH CRE	EK

	LOCATION			FLOODWAY		1% ANNUA E	L CHANCE FLC	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
MBR NO. (I,J)	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE		
1562 (7.10)	٨	800	440	1 104	2.5	*	1 6 <sup>3</sup>	2.1	0.6		
1502 (7,10)		7 000	200	1,194	3.5	*	1.0 6.0 <sup>3</sup>	2.1	0.0		
1550	Б	7,000	209	3,074	1.1	*	$6.0^{3}$	0.4	0.4		
1547		0,500 10,400	104	1,500	2.1 5.2	*	0.2 7 1 <sup>3</sup>	0.0	0.0		
1543 (20,10)		10,490	227	2 152	5.Z 2.0	*	7.1 7.0 <sup>3</sup>	7.2	0.1		
1539 (30,10) 1532 (37,10)		12,491	221	2,105	2.0	$10.2^{2}$	7.0	0.0	0.0		
1552 (57,10)	F	10,000	00	744	4.0	10.2 11.5 <sup>2</sup>	9.0	9.0	0.0		
1525 (40,10)	G L	20,500	02	1 0 1 0	2.7	11.3	10.4	10.0	0.4		
1517 (52,10)		23,500	102	1,040	1.9	11.0	10.0	11.1	0.3		
1510 (59,10) 1504 (65,10)	1	27,000	92	730	2.7	12.5 12.0 <sup>2</sup>	11.3	11.0	0.3		
1504 (65,10)	J	30,000	00	523	2.3	13.0	12.0	12.2	0.2		
1496 (71,10)	ĸ	33,330	04 77	527	2.3	13.0	12.0	12.7	0.2		
1493 (76,10)		35,500	77	000	1.0	13.9	12.8	13.0	0.2		
1486 (83,10)	IVI	39,000	76	485	2.5	14.2	13.1	13.3	0.2		
1481 (88,10)	N	41,500	83	529	1.6	14.9	13.5	13.6	0.1		
1479 (88,12)	0	42,500	113	616	1.0	15.0	13.7	13.8	0.1		
1476 (88,15)	P	44,000	62	298	2.1	$15.1^{-1}$	14.0	14.1	0.1		
1474 (88,17)	Q	45,000	81	430	1.4	$15.2^{-1}$	14.2	14.2	0.0		
1468 (88,23)	R	48,000	49	253	1.6	15.8 <sup>-</sup>	14.4	14.4	0.0		
1454 (88,37)	5	54,930	22	68	0.5	15.9-	14.5	14.6	0.1		
Feet above co The regulatory IEC-RAS 1D n Elevation com	nfluence mou elevations w nodel was us puted withou	uth vere defined with ed to define the t consideration o	n the S2DMM floodway wic of backwater	l 1 2D model and 1th and the "Wit effects from Es	l should be used hout Floodway' tero Bay	l d for flood insurand ' elevations do not	e and floodplain agree with S2DI	management d MM model.	l ecisions. The		
FEDERAL	FEDERAL EMERGENCY MANAGEMENT AGENCY					FLOC	DWAY DA	ΓΑ			
LEE COUNTY, FLORIDA											

	LOCAT	ION		FLOODWAY		1% ANNU		DOD WATER SU	RFACE
	CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	A <sup>1</sup> B <sup>1</sup> C <sup>1</sup> D <sup>1</sup> E <sup>1</sup> F G H I J K L	2,944 5,344 6,709 9,347 10,800 15,216 16,366 18,151 19,839 20,799 21,708 23,137	N/A N/A N/A N/A 1,191 654 1,053 1,090 2,580 2,575 1,703	N/A N/A N/A N/A N/A 4,019 2,445 2,817 1,276 1,558 2,449 1,528 2,449 1,528	N/A N/A N/A N/A N/A 1.1 1.8 0.6 1.2 0.7 0.4 0.7 0.4 0.7	* * * 11.8 <sup>3</sup> 12.9 14.4 16.3 17.9 19.0 20.3 reek/Curry Lake Ca	5.0 <sup>4</sup> 5.6 <sup>4</sup> 5.9 <sup>4</sup> 6.6 <sup>4</sup> 9.2 <sup>4</sup> 11.7 <sup>4</sup> 12.9 14.4 16.3 17.9 19.0 20.3	N/A N/A N/A N/A 12.7 13.8 14.9 17.0 18.3 19.3 21.0	N/A N/A N/A N/A 1.0 0.9 0.5 0.7 0.4 0.3 0.7
TAR	FEDERAL EN			AGENCY		FL	.OODWAY [	DATA	
п 23		COUNTY,	FLORIDA		FLOOD	ING SOURCE:	TROUT CREE	K / CURRY L	AKE CANAL

LOCA	ΓΙΟΝ		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	DOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE <sup>2</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Δ <sup>1</sup>	0	N1/A	NI/A	N1/A	*	0.24	N1/A	NI/A
R	642	1N/A 29	105	1N/A	*	-0.2	N/A	N/A
Б	1 775	30	67	2.3	o 2 <sup>3</sup>	4.2 6.7 <sup>4</sup>	4.2	0.0
	1,775	40	127	3.0	8.7 <sup>3</sup>	0.7 8.1 <sup>4</sup>	0.7 8 1	0.0
E	1,900	40	127	5.1 2.4	0.7	0.1 8 0 <sup>4</sup>	0.1	0.0
E	3,375	49	145	2.4	9.3	0.9 0.6 <sup>4</sup>	0.9	0.0
- C	5 / 87	40	15/	17	10.2 <sup>3</sup>	10 0 <sup>4</sup>	10.0	0.0
ы Ц	5,407	30	166	1.7	10.2	10.0	10.0	0.0
1	5,907 7 1/7	35	150	1.3	10.3	10.3	10.3	0.0
1	7,147	40	153	1.5	10.9	10.7	11.0	0.0
K J	8 310	40	1/1	1.0	11.2 11.3 <sup>3</sup>	11.0 11.2 <sup>4</sup>	11.0	0.0
	0,0130	13	0/	1.0	11.3	11.2 11.3 <sup>4</sup>	11.2	0.0
L M	9,139	30	82	0.8	11.4	11.3 11./ <sup>4</sup>	11.3	0.0
N	10 463	29	98	0.0	11.0	11.4	11.4	0.0
0	10,400	20 41	135	0.4	11.0 $11.6^3$	$11.5^{4}$	11.5	0.0
P	11 098	49	66	0.0	$11.6^{3}$	$11.5^4$	11.5	0.0
0	11 189	45 16	3	1 1	11.0	$11.6^4$	11.6	0.0
~	,	10				1110		
<ul> <li><sup>1</sup>Floodway not computed/shown for this cross section</li> <li><sup>2</sup>Feet above mouth</li> <li><sup>3</sup>Combined coastal and riverine effects from Caloosahatchee River and Winkler Canal</li> <li><sup>4</sup>Elevation computed without consideration of backwater effects from Caloosahatchee River</li> <li>*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation</li> </ul>								
LEI	E COUNTY,	<b>FLORID</b>	<b>\</b>					

AND INCORPORATED AREAS

	LOCAT	ION		FLOODWAY	,	1% ANNU	AL CHANCE FLO ELEVATION (FE	OOD WATER SU EET NAVD88)	RFACE
	CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
1 2 3	A B C D E F G H I J K L S Feet above mouth Combined coasta Elevation comput Controlled by coa	0 700 1,125 2,425 4,220 5,474 7,192 9,701 10,631 11,506 13,170 14,200 h II and riverine effied without consistal flooding – s	115 115 57 57 50 60 60 52 194 60 28 18 18	740 743 295 260 357 222 247 157 317 320 99 122 00sahatchee R ickwater effects rance Rate Map	0.9 0.9 2.3 2.6 1.9 2.8 1.5 2.3 1.1 1.5 2.6 2.1 ver and Yellow F from Caloosaha o for regulatory b	* * * * * * * * * * * * * * * * * * *	$1.6^{3}$ $1.7^{3}$ $2.5^{3}$ $3.5^{3}$ $4.2^{3}$ $6.0^{3}$ $7.2^{3}$ $7.7^{3}$ $7.9^{3}$ $10.2^{3}$ $11.4^{3}$	2.6 2.6 2.6 3.1 4.0 4.5 6.2 7.3 7.7 8.0 10.3 11.7	1.0 1.0 0.9 0.6 0.5 0.3 0.2 0.1 0.0 0.1 0.1 0.3
	FEDERAL EMERGENCY MANAGEMENT AGENCY					FL	.OODWAY I	DATA	
		E COUNTY, D INCORPORA	FLORIDA			FLOODING SO	URCE: YELLO	OW FEVER CF	REEK

# 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% 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<sup>2</sup>) is greater than or equal to 200 ft<sup>3</sup>/sec<sup>2</sup>. 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.

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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)

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
55	~	N/A	VE 10-14 AE 8-11	Wave Height	SWEL
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
73		N/A	VE 10 AE 8-9	Wave Height	N/A
74		N/A	VE 10 AE 8-9	Wave Height	N/A
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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
		Wave Runup Analysis	Wave Height Analysis		
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Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
344	1	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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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
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

		Wave Runup Analysis	Wave Height Analysis		
Coastal Transect	Primary Frontal Dune (PFD) Identified	Zone Designation and BFE (ft NAVD88)	Zone Designation and BFE (ft NAVD88)	Zone VE Limit	SFHA Boundary
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 <u>www.fema.gov/flood-maps/change-your-flood-zone</u> 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 <u>www.fema.gov/flood-maps/tutorials</u>.

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 <u>www.fema.gov/flood-maps/change-your-flood-zone</u> 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 <u>www.fema.gov/flood-maps/tutorials</u>.

#### 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 <u>www.fema.gov/flood-maps/change-your-flood-zone</u> 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.

Case Number	Effective Date	Flooding Source	FIRM Panel(s)
18-04-3990P	12-31-2019	Trout Creek / Curry Lake Canal	12071C0138G 12071C0139F <sup>1</sup>
17-04-5713P	02-23-2018	East Branch Yellow Fever Creek	12071C0258G 12071C0259G 12071C0266G 12071C0267G
16-04-2127P	09-05-2016	Hendry Creek	12071C0419G
14-04-8856P	02-23-2016	Imperial River	12071C0659G
11-04-5887P	08-10-2012	Estero River	12071C0581G 12071C0583H 12071C0584F <sup>2</sup> 12071C0592F <sup>2</sup>
10-04-0289P	01-03-2011	East Branch Yellow Fever Creek	12071C0258G 12071C0259G 12071C0266G 12071C0267G
09-04-3113P	06-17-2010	Imperial River	12071C0657G 12071C0659G 12071C0676F <sup>3</sup> 12071C0678F <sup>3</sup>
08-04-3125P	04-30-2009	Oak Creek	12071C0659G

 Table 26: Incorporated Letters of Map Change

<sup>1</sup> Although a portion of LOMR 18-04-3990P falls within the scope of this map revision, panel 12071C0139F was not revised. Therefore, users must continue to refer to the annotated FIRM attachment for this LOMR for FIRM panels 12071C0139F.

 $^2$  Although a portion of LOMR 11-04-5887P falls within the scope of this map revision, panel 12071C0581F, 12071C0584F and 12071C0592F were not revised. Therefore, users must continue to refer to the annotated FIRM attachment for this LOMR for FIRM panels 12071C0581F, 12071C0584F, and 12071C0592F.

<sup>3</sup> Although a portion of LOMR 09-04-3113P falls within the scope of this map revision, panel 12071C0676F, and 12071C0678F were not revised. Therefore, users must continue to refer to the annotated FIRM attachment for this LOMR for FIRM panels 12071C0676F and 12071C0678F.

#### 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 <u>www.fema.gov</u> and visit the "Flood Map Revision Processes" section.

#### 6.5.5 Contracted Restudies

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

#### 6.5.6 Community Map History

The current FIRM presents flooding information for the entire geographic area of Lee County. Previously, separate FIRMs, Flood Hazard Boundary Maps (FHBMs) and/or Flood Boundary and Floodway Maps (FBFMs) may have been prepared for the incorporated communities and the unincorporated areas in the county that had identified SFHAs. Current and historical data relating to the maps prepared for the project area are presented in Table 27, "Community Map History." A description of each of the column headings and the source of the date is also listed below.

- Community Name includes communities falling within the geographic area shown on the FIRM, including those that fall on the boundary line, nonparticipating communities, and communities with maps that have been rescinded. Communities with No Special Flood Hazards are indicated by a footnote. If all maps (FHBM, FBFM, and FIRM) were rescinded for a community, it is not listed in this table unless SFHAs have been identified in this community.
- Initial Identification Date (First NFIP Map Published) is the date of the first NFIP map that identified flood hazards in the community. If the FHBM has been converted to a FIRM, the initial FHBM date is shown. If the community has never been mapped, the upcoming effective date or "pending" (for Preliminary FIS

Reports) is shown. If the community is listed in Table 27 but not identified on the map, the community is treated as if it were unmapped.

- *Initial FHBM Effective Date* is the effective date of the first 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.

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 <sup>1,2</sup>	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 <sup>1,2</sup>	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

Community Name	Initial Identification Date	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
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 <sup>1,2</sup>	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
Lee County, Unincorporated Areas	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
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

Table 27: Community Map History (continued)

<sup>1</sup> Dates for this community were taken from Lee County, Unincorporated Areas <sup>2</sup> 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.

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
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

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
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
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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
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 Mexico <sup>1</sup>	11/17/2022	Compass	HSFE60-15- D-0003	November 2021	Fort Myers Beach, Town of; Sanibel, City of
Gulf of Mexico	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
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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
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
Matlacha Pass	11/17/2022	RAMPP	HSFEHQ- 09-D-0369	August 2018	Cape Coral, City of; Lee County, Unincorporated Areas
Mullock Creek	11/17/2022	RAMPP	HSFEHQ- 09-D-0369	August 2018	Lee County, Unincorporated Areas

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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Mullock Creek	08/28/2008	Taylor Engineering, Inc.	EMA-97-C0- 0137	February 2002	Lee County, Unincorporated Areas
Mullock Creek Tributary	11/17/2022	RAMPP	HSFEHQ- 09-D-0369	August 2018	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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
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
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

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
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
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 <sup>1</sup>The following revisions were made by Compass, per comments addressed during the appeal-period