FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 4 OF 11



HILLSBOROUGH COUNTY, FLORIDA

AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
HILLSBOROUGH COUNTY, UNINCORPORATED AREAS	120112
PLANT CITY, CITY OF	120113
TAMPA, CITY OF	120114
TEMPLE TERRACE, CITY OF	120115



REVISED PRELIMINARY 09/24/2020

REVISED:

TBD

FLOOD INSURANCE STUDY NUMBER 12057CV004C

Version Number 2.4.3.5

TABLE OF CONTENTS

Volume 1

	<u>Page</u>
 SECTION 1.0 – INTRODUCTION 1.1 The National Flood Insurance Program 1.2 Purpose of this Flood Insurance Study Report 1.3 Jurisdictions Included in the Flood Insurance Study Project 1.4 Considerations for using this Flood Insurance Study Report 	1 1 2 2 8
SECTION 2.0 – FLOODPLAIN MANAGEMENT APPLICATIONS 2.1 Floodplain Boundaries 2.2 Floodways 2.3 Base Flood Elevations 2.4 Non-Encroachment Zones 2.5 Coastal Flood Hazard Areas 2.5.1 Water Elevations and the Effects of Waves 2.5.2 Floodplain Boundaries and BFEs for Coastal Areas 2.5.3 Coastal High Hazard Areas 2.5.4 Limit of Moderate Wave Action	20 43 44 44 44 45 46 47
SECTION 3.0 – INSURANCE APPLICATIONS 3.1 National Flood Insurance Program Insurance Zones	49 49
SECTION 4.0 – AREA STUDIED 4.1 Basin Description 4.2 Principal Flood Problems 4.3 Non-Levee Flood Protection Measures 4.4 Levees SECTION 5.0 – ENGINEERING METHODS 5.1 Hydrologic Analyses	50 50 51 51 52 53
<u>Figures</u>	<u>Page</u>
Figure 1: FIRM Panel Index Figure 2: FIRM Notes to Users Figure 3: Map Legend for FIRM Figure 4: Floodway Schematic Figure 5: Wave Runup Transect Schematic Figure 6: Coastal Transect Schematic Figure 7: Frequency Discharge-Drainage Area Curves	11 13 16 43 46 48 66

<u>Tables</u>

	<u>Page</u>
Table 1: Listing of NFIP Jurisdictions Table 2: Flooding Sources Included in this FIS Report Table 3: Flood Zone Designations by Community Table 4: Basin Characteristics Table 5: Principal Flood Problems Table 6: Historic Flooding Elevations Table 7: Non-Levee Flood Protection Measures Table 8: Levees Table 9: Summary of Discharges Table 10: Summary of Non-Coastal Stillwater Elevations Table 11: Stream Gage Information used to Determine Discharges	2 22 49 50 51 51 52 52 54 66
Volume 2	
	<u>Page</u>
SECTION 5.0 – ENGINEERING METHODS (continued) 5.2 Hydraulic Analyses 5.3 Coastal Analyses 5.3.1 Total Stillwater Elevations 5.3.2 Waves 5.3.3 Coastal Erosion 5.3.4 Wave Hazard Analyses 5.4 Alluvial Fan Analyses SECTION 6.0 – MAPPING METHODS 6.1 Vertical and Horizontal Control 6.2 Base Map 6.3 Floodplain and Floodway Delineation	67 89 91 93 94 109 109 110
<u>Figures</u>	<u>Page</u>
Figure 8: 1% Annual Chance Total Stillwater Elevations for Coastal Areas Figure 9: Transect Location Map	92 107
<u>Tables</u>	<u>Page</u>
Table 12: Summary of Hydrologic and Hydraulic Analyses Table 13: Roughness Coefficients Table 14: Summary of Coastal Analyses	68 88 89

Table 15: Tide Gage Analysis Specifics Table 16: Coastal Transect Parameters Table 17: Summary of Alluvial Fan Analyses Table 18: Results of Alluvial Fan Analyses Table 19: Countywide Vertical Datum Conversion Table 20: Stream-Based Vertical Datum Conversion Table 21: Base Map Sources Table 22: Summary of Topographic Elevation Data used in Mapping Table 23: Floodway Data	93 96 109 109 110 110 111
Volume 3	
<u>Tables</u>	<u>Page</u>
Table 23: Floodway Data (continued)	140
Volume 4	
	<u>Page</u>
SECTION 6.0 – MAPPING METHODS (continued) 6.4 Coastal Flood Hazard Mapping 6.5 FIRM Revisions 6.5.1 Letters of Map Amendment 6.5.2 Letters of Map Revision Based on Fill 6.5.3 Letters of Map Revision 6.5.4 Physical Map Revisions 6.5.5 Contracted Restudies 6.5.6 Community Map History	288 295 295 296 296 297 297 298
<u>Tables</u>	<u>Page</u>
Table 23: Floodway Data (continued) Table 24: Flood Hazard and Non-Encroachment Data for Selected Streams Table 25: Summary of Coastal Transect Mapping Considerations Table 26: Incorporated Letters of Map Change Table 27: Community Map History	219 288 289 297 299

		<u>Page</u>
SECTION 7.0 – CONTRACTED S 7.1 Contracted Studies 7.2 Community Meetings	STUDIES AND COMMUNITY COORDINATION	300 300 311
SECTION 8.0 – ADDITIONAL INF	FORMATION	313
SECTION 9.0 – BIBLIOGRAPHY	AND REFERENCES	314
	<u>Tables</u>	Dogo
Table 28: Summary of Contracted Table 29: Community Meetings Table 30: Map Repositories Table 31: Additional Information Table 32: Bibliography and Reference	Studies Included in this FIS Report	300 312 313 314 315
Flood Profiles	<u>Exhibits</u> Panel	
Flood Floilles	<u>ranei</u>	
Alafia River Watershed		
Alafia River	01-02 P	
Buckhorn Creek	03 P	
North Prong Alafia River	04-05 P	
Rice Creek	06 P	
South Prong Alafia River	07-09 P	
Tributary Canal	10 P	
Brooker Creek Watershed		
Brooker Creek	11-12 P	
Bullfrog/Wolf Branch Creek Water	shed	
Big Bend	13 P	
Bullfrog Creek	14-17 P	
Bullfrog Creek Tributary 1	18 P	
Bullfrog Creek Tributary 2	19 P	
Bullfrog Creek Tributary 3	20-21 P	
Little Bullfrog Creek	22-24 P	
North Prong Bullfrog Creek	25 P	
Tadpole Creek	26 P	

Tucker Rhodine	27 P
Curiosity Creek Watershed Curiosity Creek (near City of Tampa)	28-30 P
Cypress Creek Watershed Cypress Creek (near City of Tampa) Mill Lake Tributary	31-33 P 34 P
Archie Creek Archie Creek Delaney Creek Delaney Creek Lateral C Delaney Creek Lateral D Delaney Creek Lateral E Delaney Creek Tributary 1 Delaney Creek Tributary 2 North Archie Creek	35-36 P 37-40 P 41 P 42 P 43 P 44 P 45 P 46-48 P
Eastlake Watershed Six Mile Creek	49-50 P
Hillsborough River Watershed Bassett Branch Blackwater Creek Clay Gulley East Clay Gulley East Tributary 2 Clay Gulley East Tributary 4 Clay Gulley East Tributary 5 Clay Gulley East Tributary 6 Clay Gulley East Tributary 7	51 P 52-54 P 55-57 P 58 P 59 P 60 P 61 P 62 P

Flood Profiles	<u>Panel</u>
Hillsborough River Watershed (co	ntinued)
Clay Gulley East Tributary 8	63 P
Clay Gulley West	64-66 P
Cow House Creek	67-69 P
East Canal	70-71 P
East Canal Tributary	72 P
East Canal (Upstream of Fron	ntage Road) 73-74 P
Hillsborough River	75-82 P

Hollomans Branch	83-86 P
Hollomans Branch Tributary 1	87 P
Hollomans Branch Tributary 2	88-89 P
Hollomans Branch Tributary 3	90-91 P
Itchepackesassa Creek	92-93 P
Itchepackesassa Creek Tributary 1	94 P
Itchepackesassa Creek Tributary 2	95 P
New River	96-97 P
New River East	98 P
Tiger Creek	99-100 P
Trout Creek	101-103 P
Two Hole Branch	104-107 P
Two Hole Branch Tributary 1	108-110 P
Little Manatee River Watershed	
Alderman Creek	111-112 P
Carlton Branch	113-115 P
Carlton Branch Tributary 1	116 P
Carlton Branch Tributary 2	117-118 P
Carlton Branch Tributary 3	119 P
Carlton Branch Tributary 3.1	120 P
Curiosity Creek	121 P
Curiosity Creek Tributary 1	122 P
Curiosity Creek Tributary 1.1	123 P
Cypress Creek	124-126 P
Dug Creek	127-128 P
Dug Creek Tributary 1	129 P
Dug Creek Tributary 2	130 P
Dug Creek Tributary 3	131 P
Gulley Branch	132-134 P
Howard Prairie Branch	135-137 P
Howard Prairie Branch Tributary 1	138 P
Howard Prairie Branch Tributary 2	139 P
NOT PRINTED	140 P
Little Manatee River	141-147 P

Flood Profiles	<u> </u>	<u>Panel</u>
Little Manatee River Watershed	(continued)	
Little Manatee River Tributa	ary 1	148 P
Little Manatee River Tributa	ary 2	149 P
Little Manatee River Tributa	ary 2.1	150 P
Little Manatee River Tributa	ary 2.2	151 P
Little Manatee River Tributa	ary 3	152 P
Little Manatee River Tributa	ary 4	153 P
Little Manatee River Tributa	ary 5	154-155 P
Little Manatee River Tributa	ary 5.1	156 P
Little Manatee River Tributa	ary 6	157 P
Little Manatee River Tributa	ary 7	158-159 P
Little Manatee River Tributa	ary 7.1	160 P
Little Manatee River Tributa	ary 8	161 P
Little Manatee River Tributa	ary 9	162 P
Little Manatee River Tributa	ary 10	163-164 P
Little Manatee River Tributa	ary 11	165 P
Little Manatee River Tributa	ary 12	166 P
Little Manatee River Tributa	ary 13	167-168 P
North Lake Tributary		169 P
Pierce Branch		170-172 P
Pierce Branch Tributary 1		173 P
Pierce Branch Tributary 2		174 P
Pierce Branch Tributary 3		175 P
NOT PRINTED		176 P
Ruskin Inlet/Marsh Branch		177-178 P
South Fork Little Manatee I	River	179 P
Wildcat Creek		180-181 P
Lower Sweetwater Creek Water		
Lower Sweetwater Creek T	ributary 1	182-183 P
Pemberton Creek/Baker Canal \	Watershed	
Baker Canal		184-187 P
Baker Canal Tributary 1		188 P
Baker Canal Tributary 2		189 P
Baker Canal Tributary 3		190 P
Baker Canal Tributary 5		191 P
Baker Canal Tributary 6		192 P
Baker Canal Tributary 7		193 P
Baker Canal Tributary 8		194 P

Baker Creek/Pemberton Creek/Mill Creek	195-199 P
Baker Creek Tributary 1	200 P
Baker Creek Tributary 2	201 P
Campbell Branch	202-207 P
Campbell Branch Tributary 1	208 P
Flint Creek	209 P
Lake Thonotosassa Tributary	210 P
Mill Creek Tributary 1	211 P
Mill Creek Tributary 2	212 P
Pemberton Creek Tributary 1	213 P
Spartman Branch	214-216 P
Rocky/Brushy Creek Watershed	
Brushy Creek	217-219 P
Brushy Creek Branch 2	220-221 P
Brushy Creek Tributary 1	222 P
Half Moon Lake Branch	223-224 P
NOT PRINTED	225 P
Rocky Creek	226-229 P
Rocky Creek Tributary 1	230-233 P

Flood Profiles	<u>Panel</u>
Sweetwater Creek Watershed	
Sweetwater Creek	234-236 P
Sweetwater Creek Channel H	237-238 P
Tampa Bypass Canal Watershed	
NOT PRINTED	239 P
Tampa Bypass Canal	240-242 P
Tampa Bypass Canal Main Ditch	243 P
Tampa Bypass Canal Tributary 1	243 P
Tampa Bypass Canal Tributary 1 So Branch	outh 246 P
Tampa Bypass Canal Tributary 2	247 P

Transect 1		01-02 T
Transect 2		03-04 T
Transect 3		05-06 T
Transect 4		07-08 T
Transect 5		09-11 T
Transect 6		12-14 T
Transect 7		15-16 T
Transect 8		17-18 T
Transect 9		19-20 T
Transect 10		21-22 T
Transect 11		23-25 T
Transect 12		26-27 T
Transect 13		28-29 T
Transect 14		30-31 T
Transect 15		32-33 T
Transect 16		34-36 T
Transect 17		37-39 T
Transect 18		40-41 T
Transect 19		42-43 T
Transect 20		44-46 T
Transect 21		47-48 T
Transect 22		49-50 T
Transect 23		51-52 T
Transect 24		53-54 T
Transect 25		55-57 T
Transect 26		58-59 T
Transect 27		60-61 T
Transect 28		62-63 T
Transect 29		64-65 T
Transect 30		66-67 T
	Volume 9 Exhibits	
Transect Profiles	EXHIBITS	Panel
Transcott Tomos		<u>r arior</u>
Transect 31		68-69 T
Transect 32		70-72 T
Transect 33		73-75 T
Transect 34		76-78 T
Transect 35		79-81 T
Transect 36		82-83 T
Transect 37		84-85 T

<u>Panel</u>

Transect Profiles

Transect 38	86-87 T
Transect 39	88-89 T
Transect 40	90-91 T
Transect 41	92-93 T
Transect 42	94-95 T
Transect 43	96-97 T
Transect 44	98-99 T
Transect 45	100-101 T
Transect 46	102-103 T
Transect 47	104-105 T
Transect 48	106-107 T
Transect 49	108-109 T
Transect 50	110-111 T
Transect 51	112-113 T
Transect 52	114-115 T
Transect 53	116-117 T
Transect 54	118-119 T
Transect 55	120-121 T
Transect 56	122-123 T
Transect 57	124-125 T
Transect 58	126-127 T
Transect 59	128-129 T
Transect 60	130-131 T
Transect 61	132 T
Transect 62	133-134 T
Transect 63	135 T
Transect 64	136-137 T
Transect 65	138-139 T
Transect 66	140 T
Transect 67	141 T
Transect 68	142-143 T
Transect 69	144-145 T
Transect 70	146-147 T
Transect 71	148-149 T
Transect 72	150-151 T

Transect Profiles	EXHIBITS	Panal
Transect Profiles		<u>Panel</u>
Transect 73		152-153 T
Transect 74		154-156 T
Transect 75		157-159 T
Transect 76		160-161 T
Transect 77		162-163 T
Transect 78		164-166 T
Transect 79		167-168 T
Transect 80		169-171 T
Transect 81		172-174 T
Transect 82		175-177 T
Transect 83		178-180 T
Transect 84		181-183 T
Transect 85		184-185 T
Transect 86		186-188 T
Transect 87		189-191 T
Transect 88		192-194 T
Transect 89		195-197 T
Transect 90		198-199 T
Transect 91		200-202 T
Transect 92		203-205 T
Transect 93		206-208 T
Transect 94		209-211 T
Transect 95		212-214 T
Transect 96		215-216 T
Transect 97		217-218 T
Transect 98		219-221 T
Transect 99		222-223 T
Transect 100		224-225 T
Transect 101		226-227 T
Transect 102		228-229 T
Transect 103		230-231 T
Transect 104		232-233 T
Transect 105		234 T

Exhibits

Transect Profiles	<u>Panel</u>	
Transect 106	235-237 T	-
Transect 107	238-239 T	-
Transect 108	240-241 T	-
Transect 109	242-244 T	-
Transect 110	245-247 T	-
Transect 111	248-250 T	-
Transect 112	251-253 T	-
Transect 113	254-256 T	-
Transect 114	257-259 T	-
Transect 115	260-262 T	-
Transect 116	263-265 T	-
Transect 117	266-267 T	-
Transect 118	268-269 T	-

Published Separately

Flood Insurance Rate Map (FIRM)

	LOCATION			FLOODWAY	(1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ²	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
900125 ¹	9900150 ¹	0	N/A	N/A	N/A	*	1.8 ³	N/A	N/A
900150 ¹	_	2,175				*	1.9 ³	N/A	N/A
900200 ¹	9900200 ¹	6,684	N/A	N/A	N/A	*	2.1 ³	N/A	N/A
900225 ¹	9900225 ¹	7,642	N/A	N/A	N/A	*	2.2 ³	N/A	N/A
900320 ¹	9900320 ¹	8,402	N/A	N/A	N/A	*	2.3 ³	N/A	N/A
900330 ¹	9900330 ¹	9,646	N/A	N/A	N/A	*	2.3 ³	N/A	N/A
900335 ¹	9900335 ¹	12,695	N/A	N/A	N/A	*	2.4 ³	N/A	N/A
900350 ¹	9900350 ¹	13,569	N/A	N/A	N/A	*	2.5 ³	N/A	N/A
900400 ¹	9900400 ¹	15,833	N/A	N/A	N/A	*	2.8 ³	N/A	N/A
900425 ¹	9900425 ¹	18,213	N/A	N/A	N/A	*	2.9 ³	N/A	N/A
900450 ¹	9900450 ¹	19,742	N/A	N/A	N/A	*	3.0^{3}	N/A	N/A
900475 ¹	9900475 ¹	22,433	N/A	N/A	N/A	*	3.2 ³	N/A	N/A
900500 ¹	9900500 ¹	23,898	N/A	N/A	N/A	*	3.5 ³	N/A	N/A
	9900650 ¹	_,	N/A	N/A	N/A				-

¹Floodway not shown

²Feet above mouth

³Elevation computed without consideration of backwater effects from Tampa Bay

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

	LOCATION			FLOODWAY	•		L CHANCE FLO	OOD WATER SU EET NAVD88)	JRFACE
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ²	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
900650 ¹	0000700	26,259	700	45.000	4.4	*	3.74	N/A	N/A
900700	9900700	28,963	730	15,000	1.4	7.6 ³	3.9⁴	4.4	0.5
900710	9900710	30,996	365	15,000	2.8	7.6 ³	4.74	5.6	0.9
900720	9900720	31,749	730	15,000	1.9	7.6 ³	5.0 ⁴	5.8	0.8
900750	9900750	32,617	1,100	2,950	0.6	7.6 ³	5.0 ⁴	5.8	0.8
900775	9900775	36,517	1,775	13,700	1.1	7.6 ³	5.3 ⁴	6.1	0.8
900800	9900800	37,429	345	13,700	1.1	7.6 ³	5.5 ⁴	6.3	0.8
900825	9900825	39,522	1,965	13,700	1.2	7.8 ³	6.4 ⁴	7.2	0.8
900850	9900850	40,434	2,810	13,800	0.6	7.8 ³	6.5 ⁴	7.2	0.8
	9900900	,	3,230	13,900	0.7				
900900	9900950	44,102	2,165	14,000	0.9	8.0 ³	7.24	7.9	0.7
900950	9900980	46,927	1,285	14,000	1.2	8.4 ³	7.9 ⁴	8.6	0.7
900980	9901000	48,042	1,350	14,000	1.1	8.6 ³	8.2 ⁴	8.9	0.7
901000	9901020	50,321	1,468	14,000	1.1	8.9 ³	8.6 ⁴	9.4	0.8

¹Floodway not shown

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY **FLOODWAY DATA** HILLSBOROUGH COUNTY, FLORIDA FLOODING SOURCE: LITTLE MANATEE RIVER **AND INCORPORATED AREAS**

²Feet above mouth

³Combined coastal and riverine flood effects from Tampa Bay and Little Manatee River ⁴Elevation computed without consideration of backwater effects from Tampa Bay

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

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
901020	9901040	51,480	1,610	14,000	0.9	9.4 ²	9.2 ³	10.0	0.8
901040	9901040	54,103	520	14,100	1.1	9.9	9.9	10.6	0.7
901050	9901030	55,539	720	,	1.1	10.6	10.6	11.3	0.7
901100	9901150	57,363	980	14,100 14,100	1.0	11.6	11.6	12.4	0.8
901150	9901180	59,119	910	14,100	1.0	12.2	12.2	13.2	1.0
901180	9901180	61,258	945	14,300	1.3	12.7	12.7	13.7	1.0
901200	9901200	62,258	2,130	14,300	1.1	13.1	13.1	14.1	1.0
901205	9901203	64,499	2,235	14,300	1.0	14.1	14.1	14.9	0.8
901210	9901220	66,223	2,520	13,400	1.1	14.2	14.2	15.0	0.8
901220	9901225	68,213	1,710	13,400	2.3	14.6	14.6	15.4	0.8
901225	9901235	69,344	1,440	13,400	1.8	15.3	15.3	16.0	0.7
901235	9901250	71,508	1,350	13,400	4.3	15.7	15.7	16.4	0.7
901250	9901260	73,190	1,050	13,400	2.1	17.6	17.6	18.3	0.7

¹Feet above mouth

FEDERAL EMERGENCY MANAGEMENT AGENCY TABLE 23 HILLSBOROUGH COUNTY, FLORIDA **AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: LITTLE MANATEE RIVER

²Combined coastal and riverine flood effects from Tampa Bay and Little Manatee River ³Elevation computed without consideration of backwater effects from Tampa Bay

	LOCATION			FLOODWAY	′		1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
901260	9901300	74,058	250	13,400	*	18.1	18.1	18.7	0.6	
901300		74,218			*	18.4	18.4	19.1	0.7	
901305	9901305	75,290	1,710	13,400		18.4	18.4	19.1	0.7	
901310	9901310	75,706	1,540	13,100	1.3	18.7	18.7	19.4	0.7	
901320	9901320	76,777	800	13,200	1.4	19.1	19.1	19.8	0.7	
901340	9901340	78,876	1,570	13,200	2.2	20.1	20.1	20.7	0.6	
901350	9901350	80,505	1,570	13,200	2.8	20.7	20.7	21.2	0.5	
901370	9901370	82,399	1,100	13,200	4.0	23.1	23.1	23.3	0.2	
901400	9901400	83,971	850	13,300	2.6	24.4	24.4	24.6	0.2	
901450	9901450	84,071	300	13,300	5.0	24.7	24.7	25.0	0.3	
901500	9901500	86,045	1,650	13,300	1.2	25.2	25.2	25.5	0.3	
901700	9901700	99,398	1,175	13,500	1.7	31.7	31.7	32.3	0.6	
901725	9901725	100,986	1,530	13,500	1.2	32.3	32.3	33.0	0.7	
	9901750		1,530	13,600	2.6					

¹Feet above mouth

^{*}Data not available

	LOCATION			FLOODWAY	(1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
901750	9901760	104,026	815	13,700	2.3	33.3	33.3	33.9	0.6
901760		105,724		·		34.5	34.5	35.0	0.5
901780	9901780	106,388	715	9,130	1.0	34.7	34.7	35.4	0.7
901800	9901800	107,393	1,165	9,130	1.0	34.7	34.7	35.4	0.7
901820	9901820	108,397	1,165	9,070	1.3	34.9	34.9	35.5	0.6
901860	1901860	108,430	750	8,930	2.4	35.0	35.0	35.6	0.6
901900	9901900	109,039	1,070	9,050	0.8	35.1	35.1	35.7	0.6
901950	9901950	110,550	1,070	8,910	1.1	35.1	35.1	35.9	0.8
	9901970	,	1,150	8,900	1.4				
901970	9901990	112,800	1,445	8,830	1.4	35.5	35.5	36.2	0.7
901990	9902000	115,547	1,760	8,860	1.5	36.4	36.4	36.9	0.5
902000	9902050	116,658	1,300	8,890	1.2	36.8	36.8	37.3	0.5
902050	9902070	119,470	1,210	8,930	1.5	37.9	37.9	38.3	0.4
902070	9902100	121,011	1,215	8,920	0.9	38.7	38.7	39.1	0.4

¹Feet above mouth

	LOCATION			FLOODWAY	<u> </u>		1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
902100	0000450	123,496	4 400	0.050	4.0	39.6	39.6	39.9	0.3	
902150	9902150	124,501	1,400	9,050	1.6	40.8	40.8	41.2	0.4	
902160	9902160	125,276	1,300	9,070	1.9	41.5	41.5	42.0	0.5	
902200	1902200	125,327	1,300	9,070		41.9	41.9	42.4	0.5	
902250	9902250	126,596	1,300	9,090	1.1	42.2	42.2	42.7	0.5	
902260	9902260	129,507	1,055	9,130	1.5	43.9	43.9	44.2	0.3	
902270	9902270	131,042	1,100	9,170	1.0	44.9	44.9	45.2	0.3	
902300	9902300	133,599	1,025	9,230	1.1	45.5	45.5	46.1	0.6	
902310	9902310	134,691	1,300	7,790	1.1	45.8	45.8	46.5	0.7	
902350	9902350	137,346	1,745	7,760	1.3	46.3	46.3	46.9	0.6	
902400	9902400	138,679	1,200	7,790	1.5	47.2	47.2	47.6	0.4	
902445	1902445	138,714	1,330	7,790		47.3	47.3	47.7	0.4	
902450	9902450	139,729	1,700	4,430	0.9	47.3	47.3	47.8	0.5	
	9902500		1,700	7,900	1.1					

¹Feet above mouth

TABLE 23

^{*}Data not available

	LOCATION			FLOODWAY	(1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
902500	9902550	141,560	2,000	7,940	1.4	48.1	48.1	48.4	0.3
902550		143,641	,	,		48.8	48.8	49.0	0.2
902600	9902600	145,525	1,590	8,010	0.9	49.8	49.8	50.0	0.2
902630	9902630	147,369	2,300	8,060	0.8	50.3	50.3	50.4	0.1
902650	9902650	148,386	2,300	6,830	1.0	50.7	50.7	50.8	0.1
902675	9902675	150,044	1,270	6,840	1.0	51.4	51.4	51.7	0.3
902700	9902700	150,290	1,540	6,840	0.7	51.4	51.4	51.8	0.4
	9902750		1,290	6,570	0.7				
902750	9902775	151,435	575	6,570	1.6	51.7	51.7	52.1	0.4
902775	9902800	153,637	880	6,570	1.3	53.7	53.7	54.4	0.7
902800	9902850	154,108	720	6,550	1.3	54.7	54.7	55.4	0.7
902850	9902900	155,649	1,120	6,440	0.6	56.9	56.9	57.9	1.0
902900	9902925	157,443	998	4,090	0.9	57.3	57.3	58.1	8.0
902925	9902950	158,370	1,935	4,180	0.7	58.0	58.0	58.5	0.8

¹Feet above mouth

	LOCATION			FLOODWAY	<i>(</i>	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
902950	1903000	161,058	105	4 4 9 0	*	59.0	59.0	59.7	0.7
903000		161,112		4,180	0.0	59.2	59.2	59.8	0.6
903050	9903050	163,031	1,055	4,220	0.6	59.8	59.8	60.4	0.6
903100	9903100	164,421	340	4,270	1.3	60.6	60.6	61.3	0.7
903200	9903200	166,426	980	3,510	0.7	61.5	61.5	62.0	0.5
903250	9903250	167,648	370	3,500	0.9	62.5	62.5	62.9	0.4
903300	1903300	167,728	400	3,500	*	62.6	62.6	63.0	0.4
903350	9903350	169,224	625	3,470	1.0	64.1	64.1	64.5	0.4
903395	9903395	170,415	1,270	3,440	0.7	64.9	64.9	65.2	0.3
903400	9903400	171,425	500	3,450	0.9	66.1	66.1	66.3	0.2
903450	9903450	173,057	280	3,430	1.4	67.5	67.5	67.8	0.3
903500	9903500	174,853	250	3,400	1.4	68.5	68.5	68.9	0.4
903550	9903550	175,519	650	3,400	1.0	69.5	69.5	69.9	0.4
	9903645	,	1,000	3,360	0.8				

¹Feet above mouth

^{*}Data not available

	LOCATION			FLOODWAY	′	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
903645	0000050	178,001	4.700	2 200	0.5	71.5	71.5	71.6	0.1
903650	9903650	179,199	1,700	3,280	0.5	71.7	71.7	71.9	0.2
903750	9903750	181,756	1,835	3,080	1.0	72.8	72.8	72.9	0.1
903800	1903800	181,799	125	3,080	*	73.0	73.0	73.1	0.1
903850	9903850	182,147	910	2,980	1.0	73.4	73.4	73.5	0.1
903900	9903900	183,499	300	2,970	1.7	75.1	75.1	75.8	0.7
903945	9903945	186,712	710	2,900	1.7	82.1	82.1	82.8	0.7
903950	9903950	188,344	1,572	1,820	0.7	82.8	82.8	83.3	0.5
904000	9904000	190,858	926	1,850	3.2	85.8	85.8	85.8	0.0
904050	9904050	191,715	1,600	1,830	0.6	85.9	85.9	85.9	0.0
904100	9904100	193,098	1,322	1,870	0.8	88.7	88.7	88.7	0.0
904150	1904150	193,175	120	1,870	*	90.5	90.5	90.5	0.0
904200	9904200	194,866	683	1,700	1.0	93.2	93.2	93.2	0.0
304200	9904250	104,000	868	1,680	0.8	30.2	30.2	30.2	0.0

¹Feet above mouth

^{*}Data not available

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
904250 904300 904350 904400 904450 904500	9904300 9904350 9904400 9904450 9904500	198,100 199,510 201,562 202,343 202,851 204,814	1,530 2,286 2,400 1,780 1,441	1,510 1,360 1,550 597 570	0.5 0.3 0.4 0.1 0.3	96.7 97.9 98.5 98.7 98.7 99.2	96.7 97.9 98.5 98.7 98.7 99.2	96.8 97.9 98.5 98.7 98.7 99.2	0.1 0.0 0.0 0.0 0.0 0.0

¹Feet above mouth

2	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	HILLSBOROUGH COUNTY, FLORIDA	
2	AND INCORPORATED AREAS	FLOODING SOURCE: LITTLE MANATEE RIVER

	LOCATION			FLOODWAY	<u> </u>	1% ANNUA	JRFACE		
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
900850	0000050	0	4.005	407	0.2	7.8 ²	6.5 ³	7.3	0.8
905350	9900850	3,153	1,025	497	0.3	7.8 ²	6.5 ³	7.3	0.8
905390	9905350	6,161	364	365	0.9	7.8 ²	6.5 ³	7.3	0.8
905400	9905390	7,636	500	365	1.1	7.8 ²	6.5 ³	7.3	0.8
905450	1905400	7,721	450	365	6.5	7.8 ²	6.9 ³	7.3	0.4
905480	1905450	8,688	280	265	1.2	7.8 ²	7.0 ³	7.3	0.3
905490	9905480	10,471	516	263	2.0	7.8 ²	7.3 ³	7.3	0.0
905500	9905490	10,538	0	263	2.0	8.8 ²	8.6 ³	8.6	0.0

¹Feet above confluence with Little Manatee River

TABLE

23

FEDERAL EMERGENCY MANAGEMENT AGENCY HILLSBOROUGH COUNTY, FLORIDA **AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 1

²Combined coastal and riverine effects from Tampa Bay and Little Manatee River Tributary 1 ³Elevation computed without consideration of backwater effects from Tampa Bay

	LOCATION			FLOODWAY	(1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
901000	9901001	0	340	2,750	1.1	8.9 ²	8.6 ³	9.4	0.8
901001	9935100	658	340	2,750	1.1	8.9 ²	8.7 ³	9.4	0.7
935100	9935330	2,586	275		1.8	8.9 ²	8.8 ³	9.4	0.6
935330		5,449	35	2,290	2.8	15.5	15.5	15.5	0.0
935340	9935340	5,639		3,210		15.9	15.9	15.9	0.0
935350	9935350	7,604	990	2,520	1.3	18.2	18.2	18.2	0.0
935425	9935425	8,811	1,000	2,050	1.7	20.9	20.9	20.9	0.0
935450	1935450	8,898	1,000	238	7.4	21.1	21.1	21.1	0.0

FEDERAL EMERGENCY MANAGEMENT AGENCY **TABLE** HILLSBOROUGH COUNTY, FLORIDA 23 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 2

¹Feet above confluence with Little Manatee River ²Combined coastal and riverine effects from Tampa Bay and Little Manatee River Tributary 2

³Elevation computed without consideration of backwater effects from Tampa Bay

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
901001	9935105	0	380	28	0.0	8.9 ²	8.7 ³	9.4	0.7
935105	9935105	2,059	70	37	1.3	10.3	10.3	10.3	0.0
935110	1935120	2,482	110	37	4.9	11.6	11.6	11.6	0.0
935120	9935200	2,534	60	39	0.9	12.8	12.8	12.8	0.0
935200		3,514				17.1	17.1	17.1	0.0

FEDERAL EMERGENCY MANAGEMENT AGENCY TABLE 23 **FLOODWAY DATA** HILLSBOROUGH COUNTY, FLORIDA FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 2.1 **AND INCORPORATED AREAS**

¹Feet above confluence with Little Manatee River Tributary 2 ²Combined coastal and riverine effects from Tampa Bay and Little Manatee River Tributary 2.1

³Elevation computed without consideration of backwater effects from Tampa Bay

	LOCATION			FLOODWAY	<u> </u>	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
935100	9935130	0	157	687	2.8	8.9 ²	8.8 ³	9.4	0.6
935130	1935140	554	100	687	14.4	10.1	10.1	10.1	0.0
935140	9935150	639	215	847	2.5	15.0	15.0	15.0	0.0
935150	9935240	1,984	94	544	2.3	15.8	15.8	15.8	0.0
935240	1935250	3,164	1,000	544	9.5	20.6	20.6	20.6	0.0
935250 935300	9935315	3,219	526	191	0.4	21.5 28.2	21.5 28.2	21.5 28.2	0.0
935300	9935300	3,469	80	191	7.8	20.2	20.2	20.2	0.0

FEDERAL EMERGENCY MANAGEMENT AGENCY TABLE 23 **FLOODWAY DATA** HILLSBOROUGH COUNTY, FLORIDA FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 2.2 **AND INCORPORATED AREAS**

¹Feet above confluence with Little Manatee River Tributary 2
²Combined coastal and riverine effects from Tampa Bay and Little Manatee River Tributary 2.2
³Elevation computed without consideration of backwater effects from Tampa Bay

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
901225	9905940	0	2 600	495	0.0	15.3	15.3	16.0	0.7
905940	9905940	1,007	2,600 70	385	3.7	15.3	15.3	15.4	0.1
905950		2,828				19.0	19.0	19.0	0.0

¹Feet above confluence with Little Manatee River

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
901950	9906400	0	1,233	1,200	2.2	35.1	35.1	35.9	0.8
906400	1906450	1,252	104	22	7.0	35.1	35.1	35.7	0.6
906450	9906500	1,305	878	1,550	1.4	35.1	35.1	35.7	0.6
906500	9906540	4,954	917	1,600	1.1	47.8	47.8	47.8	0.0
906540		6,754				53.7	53.7	53.7	0.0

¹Feet above confluence with Little Manatee River

ΤA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
BLE	HILLSBOROUGH COUNTY, FLORIDA	
23	AND INCORPORATED AREAS	FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 4

	LOCATION			FLOODWAY	(L CHANCE FLO	OOD WATER SU EET NAVD88)	URFACE	
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
901970	9959150	0	2,485	1,350	2.9	35.5	35.5	36.2	0.7	
959150	1959263	1,572	890	1,350	6.6	35.5	35.5	36.2	0.7	
959263	9959426	1,615	210	1,240	2.7	35.5	35.5	36.2	0.7	
959426		3,040	520	ŕ	3.0	39.4	39.4	39.4	0.0	
959589	9959589	4,623		1,050		43.8	43.8	43.8	0.0	
959915	9959915	5,828	505	846	2.4	49.1	49.1	49.1	0.0	
960078	9960078	7,367	770	787	2.5	52.7	52.7	52.7	0.0	
960730	9960730	9,862	995	634	3.9	67.7	67.7	67.7	0.0	
960750	9960750	12,565	280	311	1.8	74.9	74.9	74.9	0.0	
960893	1960893	12,590	545	105	8.2	75.6	75.6	75.6	0.0	
960900	9960900	14,954	290	175	3.7	84.9	84.9	84.9	0.0	
961056	1961056	14,982	498	24	5.0	84.9	84.9	84.9	0.0	
		,,,,,,,								

¹Feet above confluence with Little Manatee River

	LOCATION			FLOODWAY	<u> </u>			E FLOOD WATER SURFACE N (FEET NAVD88)		
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
960078		0	10.7	224		52.7	52.7	52.7	0.0	
960241	9960241	3,014	435	381	0.5	69.3	69.3	69.3	0.0	
960567- 960404*										

¹Feet above confluence with Little Manatee River Tributary 5

^{*}No floodway data computed

	LOCATION			FLOODWAY	(L CHANCE FLO ELEVATION (FE		JRFACE
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
902100	0006650	0	1 700	1 000	0.4	39.6	39.6	39.9	0.3
906650	9906650 9906660	1,822	1,700 353	1,000 853	0.4 5.4	39.6	39.6	39.8	0.2
906660	1906680	2,417	380	853	8.2	49.7	49.7	49.7	0.0
906680	9906700	2,450	666	887	4.4	49.8	49.8	49.8	0.0
906700		3,970				56.4	56.4	56.4	0.0

¹Feet above confluence with Little Manatee River

TΑ	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA				
胆	HILLSBOROUGH COUNTY, FLORIDA					
N	THEE OBORGOOT GOOTH 1, 1 EORIDA	FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 6				
ω	AND INCORPORATED AREAS	PEOODING SOURCE. LITTLE MANATEL RIVER TRIBUTART 0				

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
902260	0075450	0	4.000	4.000	4.0	43.9	43.9	44.2	0.3
975150	9975150	1,998	1,800	1,960	1.6	43.9	43.9	44.2	0.3
975250	9975250	3,244	930	2,040	1.1	45.5	45.5	45.5	0.0
975400	9975400	8,728	445	1,920	1.9	53.4	53.4	53.4	0.0
975450	9975450	10,230	420	1,040	1.5	66.2	66.2	66.2	0.0
975550	9975550	12,423	1,200	1,040	1.5	74.4	74.4	74.4	0.0
975600	9975600	14,341	525	628	1.7	79.0	79.0	79.0	0.0

¹Feet above confluence with Little Manatee River

	LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
975400	9975300	0	315	660	1.9	53.4	53.4	53.4	0.0	
975300	9975330	4,451	325 368	0.3	65.4	65.4	65.4	0.0		
975330	0070000	5,130	020	000	0.0	81.3	81.3	81.3	0.0	

¹Feet above confluence with Little Manatee River Tributary 7

5	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA			
	HILLSBOROUGH COUNTY, FLORIDA	1 20 02 11111 211111			
7.3	AND INCORPORATED AREAS	FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 7.1			

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
902600	9906875	0	1,101	468	0.1	49.8	49.8	50.0	0.2
906875	9906900	4,264	32	468	10.0	56.7	56.7	56.8	0.1
906900	9906950	4,300	401	340	0.3	60.5	60.5	60.5	0.0
906950	9906975	6,366	286	148	1.1	69.0	69.0	69.0	0.0
906974		6,784				72.4	72.4	72.4	0.0

¹Feet above confluence with Little Manatee River

1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
/AY INCREASE			
0.4			
0.2			
0.0			
0.0			
0.0			
0.0			
0.0			

¹Feet above confluence with Little Manatee River

TΑ	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA				
BLI	HILLSBOROUGH COUNTY, FLORIDA					
2	THEEDONOUGH GOOM I, I EUNIDA	FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 9				
ω	AND INCORPORATED AREAS	PLOODING SOURCE. LITTLE MANATLE RIVER TRIBUTART 9				

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
902850	0007440	0	707	0	0.0	56.9	56.9	57.9	1.0
907440	9907410 1907450	2,000	737 438	0 496	0.0 9.8	62.4	62.4	62.4	0.0
907450	9907500	2,070	231	781	1.67	65.3	65.3	65.3	0.0
907500	9907550	5,157	193	340	1.47	80.8	80.8	80.8	0.0
907550		7,700				105.3	105.3	105.3	0.0
1									

¹Feet above confluence with Little Manatee River

	→ FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	HILLSBOROUGH COUNTY, FLORIDA	
1	AND INCORPORATED AREAS	FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 10

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
903100	9907800	0	695	1,990	0.69	60.6	60.6	61.3	0.7
907800	9907850	2,200	520	1,940	0.69	61.6	61.6	61.7	0.1
907850	9908000	4,350	610	2,560	1.14	64.9	64.9	64.9	0.0
908000	9908040	5,895	540	1,190	0.71	75.9	75.9	75.9	0.0
908040	1908050	6,682	270	49.5	8.0	78.4	78.4	78.4	0.0
908050	9908100	6,720	275	601	0.75	80.1	80.1	80.1	0.0
908100	9908250	7,613	340	231	0.18	82.7	82.7	82.7	0.0
908250	3300230	8,242	040	201	0.10	82.8	82.8	82.8	0.0

¹Feet above confluence with Little Manatee River

	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	HILLSBOROUGH COUNTY, FLORIDA	
5	AND INCORPORATED AREAS	FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 11

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
903650	9903700	0	715	540	1.3	71.7	71.7	71.9	0.2
903700	9903700	3,615	337	136	0.5	108.4	108.4	108.4	0.0
903710	1903720	6,027	395	136	8.5	115.6	115.6	115.6	0.0
903720	1000720	6,111	000	100	0.0	116.4	116.4	116.4	0.0

¹Feet above confluence with Little Manatee River

	→ FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	HILLSBOROUGH COUNTY, FLORIDA	
1	AND INCORPORATED AREAS	FLOODING SOURCE: LITTLE MANATEE RIVER TRIBUTARY 12

	LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
342700	00.40000	0	4.045	054		105.0	105.0	105.0	0.0	
342800	9342800	846	1,245	254 259	0.0	105.0	105.0	105.0	0.0	
344100	9344100 9344120	1,882	2,618 1,139	307	0.0	105.0	105.0	105.0	0.0	
344120	1344140	4,262	50	30	9.5	106.3	106.3	106.3	0.0	
344140	1011110	4,293	00	00	0.0	108.0	108.0	108.0	0.0	

¹Feet above confluence with Mill Creek

2	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	HILLSBOROUGH COUNTY, FLORIDA	
2	AND INCORPORATED AREAS	FLOODING SOURCE: MILL CREEK TRIBUTARY 1

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
346100	9346180	0	285	118	0.3	105.8	105.8	105.8	0.0
346180		1,582				105.8	105.8	105.8	0.0
346300	1346300	1,632	50	73	5.8	106.4	106.4	106.4	0.0
346380	9346380	3,048	1,866	122	0.0	106.4	106.4	106.4	0.0
346400	1346400	3,498	62	131	2.8	106.7	106.7	106.7	0.0
346570	9346570	4,374	50	277	0.1	106.7	106.7	106.7	0.0
346580	1346580	4,424	13	273	8.2	108.4	108.4	108.4	0.0
346700	9346700	5,014	55	273	0.1	108.4	108.4	108.4	0.0
346900	9346900	6,345	190	360	0.2	108.4	108.4	108.4	0.0
0.0000		0,010							0.0

¹Feet above confluence with Mill Creek

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: MILL CREEK TRIBUTARY 2

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
605850	9673000	0	460	1,220	5.66	41.3	41.3	42.0	0.7
673000	9673025	2,282	844	1,220	0.35	47.0	47.0	47.2	0.2
673025	9673050	3,700	237	898	1.6	47.0	47.0	47.2	0.2
673050	9673100	6,182	190	898	1.7	49.7	49.7	49.8	0.1
673100	9673120	9,201	476	899	0.99	53.2	53.2	53.3	0.1
673120		9,628				53.7	53.7	54.3	0.6
673125	9673125	10,810	189	901	1.96	56.5	56.5	56.6	0.1
673130	9673130	11,535	503	901	1.84	58.8	58.8	58.9	0.1
673135	1673135	11,582	27	221	6.19	60.4	60.4	60.4	0.0
673140	9673140	11,965	31	901	7.17	62.3	62.3	62.6	0.3
673145	9673145	13,039	535	901	0.48	62.4	62.4	62.7	0.3
673150	9673150	13,760	437	901	1.51	63.1	63.1	63.2	0.1
673175	9673175	14,613	320	901	1.69	64.8	64.8	65.0	0.2

¹Feet above confluence with Hillsborough River

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: NEW RIVER

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
673025	0074000	0	444	500	4.07	47.0	47.0	47.2	0.2
674000	9674000	2,171	144	569	1.87	49.6	49.6	49.7	0.1
674025	9674025	3,770	131	440	1.25	52.8	52.8	53.0	0.2
674050	9674050	4,990	106	440	1.34	53.4	53.4	53.6	0.2
674100	9674100	6,870	39	371	3.14	60.2	60.2	60.7	0.5
674150	9674150	7,262	80	314	2.6	61.5	61.5	62.2	0.7
674200	9674200	9,497	57	228	1.68	65.8	65.8	65.8	0.0

¹Feet above confluence with New River

ΤA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
BLE	HILLSBOROUGH COUNTY, FLORIDA	
23	AND INCORPORATED AREAS	FLOODING SOURCE: NEW RIVER EAST

	LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ²	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
260160 ¹	9260161	0	42	151	0.8	*	10.4 ⁴	N/A	N/A	
260161	1260170	940	20	75	2.6	12.3 ³	10.7 ⁴	10.8	0.1	
260170	9260180	1,005	39	75 151	1.0	12.3 ³	10.74	10.8	0.1	
260180	1260200	2,485	55 55	385	5.0	12.3 ³	11.2 ⁴	11.2	0.0	
260200		2,535			2.8	12.3 ³	11.3 ⁴	11.3	0.0	
260210	9260210	3,555	60	723		14.2 ³	13.9 ⁴	14.1	0.2	
260220	1260220	3,615	40 53	346	12.2 2.8	15.0 ³	14.8 ⁴	14.9	0.1	
260230	9260230	3,785		750		15.4 ³	15.2 ⁴	15.4	0.2	
260235	9260235	5,195	193 183	787 801	1.0 1.2	15.7 ³	15.5 ⁴	15.7	0.2	
260240	9260240	6,075	49		3.5	16.0	16.0	16.2	0.2	
260250	9260250	6,695		583		16.6	16.6	16.7	0.1	
260255	1260255	6,832	16	294	2.1	16.6	16.6	16.7	0.1	
260260	9260260	7,382	49	579	2.1	17.2	17.2	17.4	0.2	
	1260270		38	579	10.8					

¹Floodway not shown

23

FEDERAL EMERGENCY MANAGEMENT AGENCY

HILLSBOROUGH COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODING SOURCE: NORTH ARCHIE CREEK

²Feet above Limit of Riverine Analysis (located at a point approximately 2,500 feet downstream of 78th Street)

³Combined coastal and riverine effects from Tampa Bay and North Archie Creek

⁴Elevation computed without consideration of backwater effects from Tampa Bay

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

	LOCATION			FLOODWAY	,	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
260270	9260275	7,435	41	32	0.5	17.2	17.2	17.3	0.1
260275	9260280	7,805	38	573	3.2	17.2	17.2	17.3	0.1
260280		8,105				18.3	18.3	18.3	0.0
260290	1260290	8,135	16	573	18.6	19.1	19.1	19.1	0.0
260300	9260300	9,235	16	579	1.7	20.6	20.6	20.6	0.0
260330	1260330	10,985	35	242	3.8	24.2	24.2	24.2	0.0
260340	9260340	11,625	38	541	3.9	26.8	26.8	26.8	0.0
260360	9260360	12,575	43	454	2.2	27.6	27.6	27.6	0.0
260370	1260370	13,035	31	159	2.2	27.7	27.7	27.7	0.0
260390	9260390	13,635	32	305	1.7	27.7	27.7	27.7	0.0
260400	1260400	13,700	25	146	5.6	27.7	27.7	27.7	0.0
270000	9270000	14,220	39	291	2.2	27.9	27.9	27.9	0.0
270500	1270500	14,220	29	66.5	2.34	27.9	27.9	27.9	0.0
270300		14,210				27.3	21.3	27.9	0.0

¹Feet above Limit of Riverine Analysis (located at a point approximately 2,500 feet downstream of 78th Street)

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS

FLOODING SOURCE: NORTH ARCHIE CREEK

LOCA	TION		FLOODWAY	,	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
۸	4 400	4.054	44.707	0.0	40.0	47.0	47.0	4.0	
A	4,400	1,054	11,797	0.9	46.3	47.3	47.3	1.0	
B C	8,540	1,249	13,302	0.8	46.9	46.9	47.9	1.0	
C	10,940	1,191	12,393	0.8	47.2	47.2	48.2	1.0	
D E F	12,520	722	5,134	2.0	48.5	48.5	49.3	0.8	
E	13,090	1,255	8,922	1.1	49.7	49.7	50.5	0.8	
F	16,790	1,180	12,129	0.7	50.8	50.8	51.7	0.9	
G	20,190	1,291	10,700	0.8	51.5	51.5	52.3	0.8	
H	22,690	1,278	10,496	0.9	52.4	52.4	53.2	0.8	
l	25,700	1,317	10,724	0.8	53.5	53.5	54.4	0.9	
J	27,920	1,056	6,934	1.3	54.4	54.4	55.3	0.9	
K	29,600	742	6,935	1.3	55.7	55.7	56.6	0.9	
L	32,040	1,110	10,089	0.9	56.6	56.6	57.5	0.9	
M	35,940	854	6,553	1.2	58.2	58.2	59.1	0.9	
N	42,100	901	7,895	1.0	61.0	61.0	62.0	1.0	
O P	46,680	579	5,379	1.5	63.4	63.4	64.3	0.9	
Р	48,840	972	8,288	1.0	64.6	64.6	65.5	0.9	

¹Feet above confluence with Alafia River

TA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
BLE	HILLSBOROUGH COUNTY, FLORIDA	. 2000 11111
23	AND INCORPORATED AREAS	FLOODING SOURCE: NORTH PRONG ALAFIA RIVER

LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
811140	0040000	0	40	4 000	4.4	52.8	52.8	53.4	0.6
819000	9819000	264	40	1,200	4.1	52.8	52.8	53.1	0.3
819020	9819020	1,368	103	1,150	2.2	52.8	52.8	53.3	0.5
819050	1819050	1,408	200	32.3	10.1	55.3	55.3	55.6	0.3
819060	9819060	4,665	477	714	1.3	76.8	76.8	76.8	0.0
819080	9819080	5,722	550	733	2.8	81.0	81.0	81.0	0.0
819200	1819200	7,584	590	77.6	6.7	84.7	84.7	84.7	0.0

¹Feet above confluence with Bullfrog Creek

-	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA			
	HILLSBOROUGH COUNTY, FLORIDA				
23	AND INCORPORATED AREAS	FLOODING SOURCE: NORTH PRONG BULLFROG CREEK			

	LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
902630	9970140	0	795	3,050	1.9	50.3	50.3	50.4	0.1	
970140		4,683		,	1.9	59.6	59.6	59.6	0.0	
970150	1970150	4,742	60	3,050		61.1	61.1	61.1	0.0	
970175	9970175	6,154	450	2,830	1.9	64.1	64.1	64.1	0.0	
970200	9970200	7,918	600	2,830	1.7	68.4	68.4	68.5	0.1	
970300	9970300	10,193	610	2,740	2.4	73.7	73.7	73.7	0.0	
970250	9970250	12,122	630	2,670	2.1	78.3	78.3	78.3	0.0	
970550	9970550	13,274	720	2,450	2.1	79.3	79.3	79.3	0.0	
970700	9970700	14,832	470	2,360	2.1	80.1	80.1	80.2	0.1	
970750	9970750	16,439	480	2,370	2.1	90.2	90.2	90.2	0.0	
971040	9971040	17,922	1,000	2,420	1.6	94.6	94.6	94.6	0.0	
971100	1971100	17,972	910	2,420	1.6	99.1	99.1	99.1	0.0	
971150	9971150	20,860	440	2,080	1.6	101.2	101.2	101.2	0.0	
	9971350		300	863	1.1					

¹Feet above confluence with Little Manatee River

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: PIERCE BRANCH

	LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
971350	9971380	22,280	500	664	1.8	104.3	104.3	104.3	0.0	
971380	1971400	24,043	500	664	1.8	115.6	115.6	115.6	0.0	
971400	9971450	24,081	380	155	1.8	117.3	117.3	117.3	0.0	
971450	9971460	28,006	*	*	*	117.6	117.6	117.6	0.0	
971460	9971475	29,806	*	*	*	119.9	119.9	*	*	
971475	3371473	32,071				124.0	124.0	*	*	

¹Feet above confluence with Little Manatee River

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS

FLOODING SOURCE: PIERCE BRANCH

^{*}Floodway not computed/shown for this node

	LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
970550	9970600	0	300	394	1.1	79.3	79.3	79.3	0.0	
970600	9970650	2,018	180	182	1.2	89.4	89.4	89.4	0.0	
970650	001000	4,228	.00	.02		109.9	109.9	109.9	0.0	

¹Feet above confluence with Pierce Branch

2	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA				
	HILLSBOROUGH COUNTY, FLORIDA					
2	AND INCORPORATED AREAS	FLOODING SOURCE: PIERCE BRANCH TRIBUTARY 1				

	LOCATION			FLOODWAY	·		L CHANCE FLO	OOD WATER SU EET NAVD88)	JRFACE
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
971100	9970850	0	695	613	3.3	99.1	99.1	99.1	0.0
970850	9970900	1,082	1,070	613	0.1	104.8	104.8	104.8	0.0
970900	9970950	3,106	206	472	5.0	104.8	104.8	104.8	0.0
970950	9971000	5,744	905	611	0.5	113.8	113.8	113.8	0.0
971000	1971050	10,049	95	611	8.1	114.4	114.4	114.4	0.0
971050	137 1030	10,091	33	011	0.1	116.5	116.5	116.5	0.0

¹Feet above confluence with Pierce Branch

5	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA				
	HILLSBOROUGH COUNTY, FLORIDA					
7	AND INCORPORATED AREAS	FLOODING SOURCE: PIERCE BRANCH TRIBUTARY 2				

LOCAT	ION		FLOODWAY		1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
A B C D E F G H I J K	150 835 2,035 2,515 3,565 4,790 5,990 7,490 8,490 9,990 11,990	85 80 45 36 57 49 44 36 20 40 95	337 321 326 263 215 338 266 266 133 155 227	4.2 4.5 4.4 5.4 5.6 5.0 4.5 3.4 6.8 5.8 4.0	12.5 12.5 12.5 12.5 13.9 17.4 19.7 22.2 30.1 38.9	3.3 ² 5.7 ² 6.7 ² 7.2 ² 11.4 ² 13.9 17.4 19.7 22.2 30.1 38.9	4.2 5.8 7.1 7.9 12.1 14.4 17.6 20.5 23.2 30.5 38.9	0.9 0.1 0.4 0.7 0.5 0.2 0.8 1.0 0.4 0.0	

TA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
BLE	HILLSBOROUGH COUNTY, FLORIDA	1 LOODWAL DAILA
23	AND INCORPORATED AREAS	FLOODING SOURCE: RICE CREEK

¹Feet above confluence with Alafia River ²Elevation computed without consideration of backwater effects from Alafia River

	LOCATION			FLOODWAY	,	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ²	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
420010 ¹	9420020	0	N/A	N/A	N/A	*	1.84	N/A	N/A	
420020 ¹		186				*	1.9 ⁴	N/A	N/A	
420030 ¹	9420030	1,825	N/A	N/A	N/A	*	2.74	N/A	N/A	
420040 ¹	9420040	2,401	N/A	N/A	N/A	*	3.1⁴	N/A	N/A	
420050 ¹	9420050	3,362	N/A	N/A	N/A	*	7.5 ⁴	N/A	N/A	
420060 ¹	9420060	5,761	N/A	N/A	N/A	*	7.7^{4}	N/A	N/A	
420070 ¹	9420070	10,290	N/A	N/A	N/A	*	7.2 ⁴	N/A	N/A	
420570 ¹	9420071	13,981	N/A	N/A	N/A	*	7.7 ⁴	N/A	N/A	
420580 ¹	9420580	16,662	N/A	N/A	N/A	*	8.0 ⁴	N/A	N/A	
420590	9420590	17,086	85	3,970	N/A	13.6 ³	13.2 ⁴	13.3	0.1	
420600	9420600	18,294	60	3,760	4.7	14.7 ³	14.5 ⁴	14.6	0.1	
	9420610	,	191	3,760	3.3				_	
420610	9420620	21,321	234	3,600	3.5	16.0	16.0	16.4	0.4	
420620	9420630	23,695	498	3,640	1.6	18.0	18.0	18.5	0.5	

¹Floodway not shown

23

FEDERAL EMERGENCY MANAGEMENT AGENCY HILLSBOROUGH COUNTY, FLORIDA AND INCORPORATED AREAS FLOODING SOURCE: ROCKY CREEK

²Feet above Limit of Riverine Analysis (located at a point approximately 100 feet downstream of Sheldon Road)

³Combined coastal and riverine effects from Old Tampa Bay and Rocky Creek

⁴Elevation computed without consideration of backwater effects from Old Tampa Bay

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

	LOCATION			FLOODWAY	<u>′</u>	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
420630	00400040	25,047	245	0.740	0.4	18.4	18.4	18.7	0.3	
420640	99420640	25,190	315	3,740	2.1	18.4	18.4	18.4	0.0	
420650	99420650	27,425	270	3,770	2.2	19.4	19.4	20.0	0.6	
420660	99420660	29,275	275	3,810	3.2	23.1	23.1	23.4	0.3	
420670	99420670	31,125	632	3,600	1.2	23.2	23.2	23.5	0.3	
420680	99420680	33,569	360	3,800	2.0	23.8	23.8	24.4	0.6	
	9420690		180	4,050	2.9					
420690	9450000	35,239	119	1,590	3.2	25.0	25.0	25.2	0.2	
450000	9450010	36,682	67	1,600	3.9	25.7	25.7	26.4	0.7	
450010	9450020	36,829	80	1,550	3.5	25.8	25.8	26.2	0.4	
450020	9450030	37,991	47	1,140	4.6	26.7	26.7	27.1	0.4	
450030	9450040	41,011	64	1,090	3.9	29.3	29.3	29.6	0.3	
450040	1450050	42,967	*	364	3.4	32.4	32.4	32.5	0.1	
450050		43,087	204			32.6	32.6	32.7	0.1	
	9450060		201	1,090	1.2					

¹Feet above Limit of Riverine Analysis (located at a point approximately 100 feet downstream of Sheldon Road)

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: ROCKY CREEK

^{*}Data not available

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
450060	0.450070	44,698	400	000	4.0	33.2	33.2	34.0	0.8	
450070	9450070	46,444	196	693	1.8	34.5	34.5	34.8	0.3	
450080	1450080	46,514	149	231	5.2	35.2	35.2	35.4	0.2	
450090	9450090	47,976	76	694	3.0	38.9	38.9	39.0	0.1	
450100	9450100	49,267	90	653	1.9	39.4	39.4	39.6	0.2	
450110	1450110	49,333	74	250	3.6	39.6	39.6	39.8	0.2	
450120	9450120	50,772	40	653	4.8	44.9	44.9	45.0	0.1	
450140	9450140	52,016	40	655	4.2	46.1	46.1	46.3	0.2	
450141	1450141	52,398	40	187	7.2	46.2	46.2	46.4	0.2	

¹Feet above Limit of Riverine Analysis (located at a point approximately 100 feet downstream of Sheldon Road)

5	TA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	찓	HILLSBOROUGH COUNTY, FLORIDA	
7	23	AND INCORPORATED AREAS	FLOODING SOURCE: ROCKY CREEK

	LOCATION			FLOODWAY	1	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ²	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
900125 ¹	9900130 ¹	0	N/A	N/A	N/A	*	1.8 ³	N/A	N/A
900130 ¹	_	6,959				*	1.8 ³	N/A	N/A
900140 ¹	9900140 ¹	9,719	N/A	N/A	N/A	*	1.8 ³	N/A	N/A
921000 ¹	1921000 ¹	9,749	N/A	N/A	N/A	*	1.8 ³	N/A	N/A
921500 ¹	1921500 ¹	11,957	N/A	N/A	N/A	*	2.4 ³	N/A	N/A
921525 ¹	1921525 ¹	12,614	N/A	N/A	N/A	*	2.5 ³	N/A	N/A
921550 ¹	9921550 ¹	12,888	N/A	N/A	N/A	*	2.6 ³	N/A	N/A
922100 ¹	9922100 ¹	13,383	N/A	N/A	N/A	*	3.3 ³	N/A	N/A
922490 ¹	9922490 ¹	15,671	N/A	N/A	N/A	*	4.9 ³	N/A	N/A
922500 ¹	9922500 ¹	16,342	N/A	N/A	N/A	*	5.2 ³	N/A	N/A
922750 ¹	9922750 ¹	17,425	N/A	N/A	N/A	*	5.4 ³	N/A	N/A
922800 ¹	1922800 ¹	17,465	N/A	N/A	N/A	*	5.7 ³	N/A	N/A
923375 ¹	9923375 ¹	18,026	N/A	N/A	N/A	*	6.5 ³	N/A	N/A
920010	9923400	10,020	100	931	2.1		0.5	11/7	IW/A

¹Floodway not shown

FEDERAL EMERGENCY MANAGEMENT AGENCY **FLOODWAY DATA** HILLSBOROUGH COUNTY, FLORIDA FLOODING SOURCE: RUSKIN INLET/MARSH BRANCH **AND INCORPORATED AREAS**

²Feet above confluence with Little Manatee River

³Elevation computed without consideration of backwater effects from Tampa Bay *Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
923400	1022400	19,513	200	931	5.0	10.1 ²	9.3 ³	9.3	0.0	
923490	1923490 9923850	19,709	200 235	923	5.9 1.6	10.3 ²	10.0 ³	10.0	0.0	
923850	9924030	21,272	240	773	2.6	10.7 ²	10.5 ³	10.8	0.3	
924030	1924050	22,496	635	773	6.3	14.2 ²	13.4 ³	13.5	0.1	
924050	9924120	22,553	540	696	1.9	14.3	14.3	14.3	0.0	
924120 924130	1924130	22,946 22,980	480	696	5.0	14.4 14.5	14.4 14.5	14.4 14.5	0.0	
924135	9924135	23,333	465	697	2.3	16.6	16.6	16.6	0.0	
924140	9924140	24,501	170	546	2.7	20.0	20.0	20.0	0.0	
924325*										

¹Feet above confluence with Little Manatee River

FEDERAL EMERGENCY MANAGEMENT AGENCY TABLE 23 **FLOODWAY DATA** HILLSBOROUGH COUNTY, FLORIDA FLOODING SOURCE: RUSKIN INLET/MARSH BRANCH **AND INCORPORATED AREAS**

²Combined coastal and river effects from Tampa Bay and Ruskin Inlet/Marsh Branch ³Elevation computed without consideration of backwater effects from Tampa Bay

^{*}No floodway data computed

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
901760	0050440	0	000	0.700	2.7	34.5	34.5	35.0	0.5	
950110	9950110	5,965	633	6,780	3.7	39.2	39.2	39.2	0.0	
950120	9950120	6,025	100	6,780	8.5	40.1	40.1	40.2	0.1	
950130	1950130	6,039	8	146	4.2	40.3	40.3	40.3	0.0	
950133	9950133	6,079	363	6,780	7.5	40.8	40.8	40.8	0.0	
950135	9950135	7,130	400	6,780	6.1	42.5	42.5	42.6	0.1	
950160	9950160	7,685	456	6,660	75.7	45.1	45.1	45.1	0.0	

¹Feet above confluence with Little Manatee River

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: SOUTH FORK LITTLE MANATEE RIVER

LOCAT	TION		FLOODWAY		1% ANNU	AL CHANCE FLO ELEVATION (FE	OOD WATER SU EET NAVD88)	RFACE
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	4,080	1,219	13,555	0.7	46.1	46.1	47.1	1.0
B	8,880	1,075	10,920	0.9	46.4	46.4	47.4	1.0
C	10,620	1,119	11,637	0.8	46.6	46.6	47.6	1.0
D	12,700	1,005	10,576	0.9	46.8	46.8	47.8	1.0
E	14,560	999	8,056	1.2	47.1	47.1	48.1	1.0
F	16,680	1,213	10,380	0.9	48.3	48.3	49.3	1.0
G	18,480	947	7,714	1.3	48.8	48.8	49.8	1.0
H	22,360	1,006	7,047	1.4	49.6	49.6	50.6	1.0
I	26,160	1,028	8,252	1.1	52.6	52.6	53.6	1.0
J	28,800	833	5,587	1.6	53.1	53.1	54.1	1.0
K	31,260	853	6,128	1.5	54.3	54.3	55.3	1.0
L	33,260	817	5,722	1.6	55.0	55.0	55.9	1.0
M	35,360	858	5,807	1.5	56.1	56.1	57.0	0.9
N	37,240	950	6,496	1.4	56.9	56.9	57.8	0.9
O	40,220	1,237	7,158	1.3	58.0	58.0	58.9	0.9
P Q R S T	41,520 45,000 46,720	1,080 824 705	7,077 5,268 4,858	1.1 1.5 1.6	58.5 60.5 61.3	58.5 60.5 61.3	59.4 61.3 62.2	0.9 0.8 0.9
S T U V	48,220 49,680 51,080	804 1,139 647	5,319 7,441 4,113	1.5 1.1 1.9	62.3 63.1 64.5	62.3 63.1 64.5	63.2 64.0 65.4	0.9 0.9 0.9
V	52,960	941	6,082	1.3	67.0	67.0	67.9	0.9

¹Feet above confluence with Alafia River

TA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
BLE	HILLSBOROUGH COUNTY, FLORIDA	. 2002
23	AND INCORPORATED AREAS	FLOODING SOURCE: SOUTH PRONG ALAFIA RIVER

LOCATION			FLOODWAY	1	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
0260010	0	622	504	0.0	88.5	88.5	89.0	0.5	
	450				88.6	88.6	89.1	0.5	
	525				89.7	89.7	90.1	0.4	
	950				90.7	90.7	90.9	0.2	
1360080	1,400	60	198		91.2	91.2	91.4	0.2	
9360100	2,515	60	592	2.0	92.2	92.2	92.4	0.2	
1360150	2,635	200	197	3.4	92.5	92.5	92.7	0.2	
9360200	3.045	80	593	2.4	93.2	93.2	93.2	0.0	
1360300	,	200	285	1.8				0.0	
9360380		100	597	1.7				0.4	
1360400	,	200	557	4.0				0.4	
9360450	,	286	-657	0.9				0.4	
9360700	,	190	732	0.9				0.3	
1360800	9,170	200	549	4.4	97.8	97.8	98.5	0.7	
	9360010 1360020 9360070 1360080 9360100 1360150 9360200 1360300 9360380 1360400 9360450 9360700	CONDUIT NUMBER DISTANCE ¹ 0 9360010 450 1360020 525 9360070 950 1360080 1,400 9360100 2,515 1360150 2,635 9360200 3,045 1360300 9360380 1360400 9360450 9360700 9,170	CONDUIT NUMBER DISTANCE¹ WIDTH (FEET) 9360010 632 450 180 1360020 180 9360070 65 9360100 60 1360150 2,515 1360300 2,635 9360200 80 3,045 200 1360300 200 9360380 100 5,350 200 1360400 5,410 9360700 9,170	CONDUIT NUMBER DISTANCE¹ WIDTH (FEET) PEAK FLOW 9360010 0 632 594 1360020 180 594 9360070 65 593 9360080 60 198 1360150 2,515 200 197 9360200 3,045 200 285 1360300 3,100 597 9360380 5,350 200 557 9360450 5,410 286 -657 9360700 9,170 190 732	CONDUIT NUMBER DISTANCE¹ WIDTH (FEET) PEAK FLOW VELOCITY 9360010 0 632 594 0.8 1360020 450 180 594 4.7 9360070 950 65 593 1.4 1360080 1,400 60 198 3.4 9360100 2,515 200 197 3.4 9360200 3,045 200 197 3.4 9360300 3,045 200 285 1.8 1360400 5,350 100 597 1.7 1360400 5,410 286 -657 0.9 9360700 9,170 190 732 0.9	CONDUIT NUMBER DISTANCE¹ WIDTH (FEET) PEAK FLOW VELOCITY REGULATORY 9360010 450 632 594 0.8 88.5 1360020 525 994 4.7 89.7 9360070 950 65 593 1.4 90.7 1360080 1,400 60 198 3.4 91.2 9360100 2,515 92.2 2.0 92.2 1360150 2635 80 593 2.4 93.2 9360200 3,045 200 285 1.8 93.2 1360300 3,100 597 1.7 96.3 9360380 5,350 200 557 4.0 97.1 9360450 7,170 286 -657 0.9 97.7 9360700 9,170 190 732 0.9 97.8	CONDUIT NUMBER DISTANCE1	CONDUIT NUMBER DISTANCE¹ WIDTH (FEET) PEAK FLOW VELOCITY REGULATORY WITHOUT FLOODWAY WITHOUT FLOODWAY WITHOUT FLOODWAY 9360010 632 594 0.8 88.5 88.5 89.0 9360070 450 180 594 4.7 89.7 89.7 90.1 9360070 950 65 593 1.4 90.7 90.7 90.9 1360080 1,400 60 198 3.4 91.2 91.2 91.4 9360100 2,515 200 197 3.4 92.2 92.2 92.4 1360150 2,635 80 593 2.4 93.2 93.2 93.2 9360200 3,045 200 197 3.4 92.5 92.5 92.7 9360300 3,045 200 285 1.8 93.2 93.2 93.2 9360380 100 597 1.7 96.3 96.3 96.7 9360450	

¹Feet above confluence with Pemberton Creek

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: SPARTMAN BRANCH

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
360800	0200050	9,270	4.400	FC4	0.4	98.6	98.6	99.4	0.8
360850	9360850	11,220	1,108	561	0.1	98.7	98.7	99.4	0.7
360870	9360870	13,820	400	665	0.6	99.3	99.3	99.4	0.1
360880	1360880	13,895	50	466	6.4	100.6	100.6	100.9	0.3
360900	9360900	14,845	47	666	2.4	102.5	102.5	102.5	0.0
360920	1360920	14,895	50	479	9.2	106.4	106.4	106.5	0.1
360950	9360950	16,270	60	481	1.6	108.0	108.0	108.0	0.0
360960	1360960	16,320	70	481	5.4	109.5	109.5	109.5	0.0
360970	9360970	16,880	109	494	1.1	109.9	109.9	109.9	0.0
361000	9361000	18,345	169	501	0.8	110.2	110.2	110.2	0.0
	9361200	,	68	354	0.9				
361200	9361280	19,195	34	383	4.2	110.7	110.7	110.7	0.0
361280	1361400	20,530	40	382	6.8	112.6	112.6	112.6	0.0
361400	9361420	20,580	75	232	0.7	114.5	114.5	114.5	0.0

¹Feet above confluence with Pemberton Creek

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: SPARTMAN BRANCH

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
361420	1361440	20,730	70	232	2.3	114.5	114.5	114.5	0.0
361440	9361460	20,790	73	232	1.5	114.6	114.6	114.6	0.0
361460	9361480	21,575	35	232	3.4	114.7	114.7	114.7	0.0
361480	1361500	21,890	65	150	1.2	114.7	114.7	114.7	0.0
361500	9361570	21,915	94	987	2.6	114.7	114.7	114.7	0.0
361570	1361580	24,015	50	275	6.8	114.7	114.7	114.7	0.0
361580	9361600	24,105	68	282	0.5	120.8	120.8	120.8	0.0
361600	9361640	25,405	68	185	0.5	120.8	120.8	120.8	0.0
361640	9361680	26,435	101	158	0.2	120.8	120.8	120.8	0.0
361680	1361700	27,010	75	155	5.4	120.8	120.8	120.8	0.0
361700	9361750	27,085	127	155	5.4	120.8	120.8	120.8	0.0
361740	1361750	28,800	20	116	4.9	121.7	121.7	121.7	0.0
361750	9361760	29,856	77	116	1.6	123.5 123.7	123.5 123.7	123.5 123.7	0.0
361760 361900	1361900	30,237 30,298	100	116	5.5	125.4	123.7	123.7	0.0

¹Feet above confluence with Pemberton Creek

FEDERAL EMERGENCY MANAGEMENT AGENCY

HILLSBOROUGH COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODING SOURCE: SPARTMAN BRANCH

	LOCATION			FLOODWAY	′		L CHANCE FLO	OOD WATER SU EET NAVD88)	JRFACE
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ²	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
420050 ¹ 410000 ¹ 410010 ¹ 410030 ¹ 410040 ¹ 410050 410060	9410000 ¹ 1410010 ¹ 9410030 ¹ 1410040 ¹ 9410050 9410060	0 1,760 1,800 5,795 5,880 7,070 8,110	N/A N/A N/A N/A N/A 87 89 90	N/A N/A N/A N/A 2,580 2,570 2,560	N/A N/A N/A N/A 3.0 2.9	* * * * 12.1 ³ 12.3 ³	5.2 ⁴ 5.3 ⁴ 5.4 ⁴ 9.1 ⁴ 9.3 ⁴ 9.8 ⁴ 10.3 ⁴	N/A N/A N/A N/A N/A N/A 10.7 11.3	N/A N/A N/A N/A N/A 0.9 1.0
410070 410080 410090 410100 410110	9410070 9410080 9410090 1410100 9410110 1410120	9,910 11,330 11,576 11,726 12,911	91 54 55 85 55	2,360 2,110 2,110 1,870 2,090 548	2.7 2.2 4.3 4.3 0.0 2.4	12.7 ³ 13.0 ³ 15.3 ³ 16.7 ³ 18.0	11.2 ⁴ 1.8 ⁴ 15.1 ⁴ 15.6 ⁴ 18.0	12.2 12.7 15.6 16.1 18.5	1.0 0.9 0.5 0.5

¹Floodway not shown

TABLE FEDERAL EMERGENCY MANAGEMENT AGENCY **FLOODWAY DATA** HILLSBOROUGH COUNTY, FLORIDA 23 FLOODING SOURCE: SWEETWATER CREEK **AND INCORPORATED AREAS**

²Feet above confluence with Rocky Creek ³Combined coastal and riverine effects from Old Tampa Bay and Sweetwater Creek

⁴Elevation computed without consideration of backwater effects from Old Tampa Bay

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

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
410120 410130	9410130 9410140	12,966 13,616	120 250	1,280 1,270	0.1	18.1 19.2	18.1 19.2	18.7 19.8	0.6 0.6	
410140	9410140	16,466	300	1,270	1.4	19.5	19.5	20.0	0.5	
410150	1410160	17,841	156	408	7.8	20.7	20.7	21.3	0.6	
410160 410170	1410170	17,992 18,252	130	612	7.8	22.2 23.6	22.2 23.6	22.9 24.6	0.7 1.0	
410180	1410180 9410190	18,398	20 196	159 274	1.1 0.1	26.2	26.2	26.4	0.2	
410190	1410210	20,828	28	289	4.6	26.3	26.3	26.6	0.3	
410210 410215	9410215	20,868 22,043	182	1,330	3.1	26.3 29.2	26.3 29.2	26.6 29.3	0.3 0.1	
410218	9410218	22,743	202	1,240	1.9	29.2	29.2	30.7	0.1	
410220	9410220 1410230	24,443	50 60	1,160 279	2.0 3.2	31.9	31.9	32.3	0.4	
410230	9410235	24,483	200	1,160	2.2	32.1	32.1	32.4	0.3	

¹Feet above confluence with Rocky Creek

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: SWEETWATER CREEK

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
NUMBER 410235 410240 410250 410270 410280 410284 410300	NUMBER 1410240 9410250 1410270 9410280 1410284 9410300 1410310	24,933 25,058 26,508 26,708 27,758 27,869 28,809	(FEET) 18 144 100 88 50 89 95	264 979 247 747 747 705	3.5 2.0 2.0 1.3 2.1 2.7 1.4	32.4 32.6 33.9 34.1 34.5 35.2 36.0	32.4 32.6 33.9 34.1 34.5 35.2 36.0	33.0 33.2 34.5 34.6 35.0 35.7 36.3	0.6 0.6 0.6 0.5 0.5 0.5	
410310 410320 410330 410338 410339 410340	9410320 1410330 9410338 9410339 9410340 1410350	28,995 29,530 29,681 30,421 31,221 32,271	90 93 155 79 120 400	690 690 604 572 571	1.4 1.4 1.0 1.8 1.3	36.2 36.6 36.6 36.8 37.4 37.8	36.2 36.6 36.6 36.8 37.4 37.8	36.5 36.6 36.7 36.9 37.6 38.1	0.3 0.0 0.1 0.1 0.2 0.3	

¹Feet above confluence with Rocky Creek

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: SWEETWATER CREEK

^{*}Data not available

	LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
410350	9410370	32,322	80	558	1.9	38.2	38.2	38.3	0.1	
410370	1410380	34,007	85	182	1.0	39.1	39.1	39.8	0.7	
410380		34,038	210		3.2	39.1	39.1	39.8	0.7	
410390	9410390 1410400	34,708	40	442 219	4.8	40.2	40.2	40.3	0.1	
410400		34,874	40 47			40.9	40.9	41.0	0.1	
410410	9410410	36,424	20	439 428	1.8 2.8	42.4	42.4	42.4	0.0	
410420	1410420 9410430	36,454	20	420 427	2.8	42.5	42.5	42.6	0.1	
410430	1410440	36,889	60	424	2.6	43.2	43.2	43.2	0.0	
410440	1410440	36,964	00	424	2.0	43.4	43.4	43.4	0.0	
1										

¹Feet above confluence with Rocky Creek

_ E	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
E	HILLSBOROUGH COUNTY, FLORIDA	
23	AND INCORPORATED AREAS	FLOODING SOURCE: SWEETWATER CREEK

	LOCATION			FLOODWAY	(1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
410120	0444050	0	CO	F.40	2.4	18.1	18.1	18.7	0.6
414050	9414050	2,175	60	548	2.4	20.1	20.1	20.4	0.3
414100	414100	2,610	130	927	2.6	23.0	23.0	23.0	0.0
414150	1414150	2,745	135	721	0	23.2	23.2	23.2	0.0
414200	9414200	5,005	100	235	6.78	26.0	26.0	26.0	0.0
414250	414250	5,427	160	762	2.33	28.5	28.5	28.5	0.0
414300	1414300	5,481	370	753	0.00	28.5	28.5	28.5	0.0
414350	9414350	7,252	178	116	1.33	29.1	29.1	29.1	0.0
414400	9414400	8,381	60	738	1.86	29.6	29.6	29.6	0.0
414450	1414450	,	52	809	2.29	29.6	29.6	29.6	0.0
	9414600	8,457	57	373	1.42				
414600	1414650	9,341	52	499	1.53	29.9	29.9	29.9	0.0
414650	9414700	9,381	66	421	1.63	29.9	29.9	29.9	0.0
414700	9414750	10,881	50	282	1.05	30.1	30.1	30.1	0.0

¹Feet above confluence with Sweetwater Creek

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: SWEETWATER CREEK CHANNEL H

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
414750	414800	12,491	38	194	0.71	30.1	30.1	30.1	0.0
414800	9414850	12,552	335	159	0.71	30.3	30.3	30.3	0.0
414850	0111000	13,352	000	100		30.3	30.3	30.3	0.0

¹Feet above confluence with Sweetwater Creek

	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	HILLSBOROUGH COUNTY, FLORIDA	
23	AND INCORPORATED AREAS	FLOODING SOURCE: SWEETWATER CREEK CHANNEL H

	LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE		
810532	9814000	0	97	1,520	3.5	24.1	24.1	24.7	0.6		
814000	9814000	1,439	101	1,310	3.6	27.2	27.2	27.2	0.0		
814010	9814010	4,956	60		4.1	34.0	34.0	34.0	0.0		
814020	1814050	5,827	67	1,040 1,040	5.5	41.6	41.6	41.7	0.1		
814050	1814030	5,894	07	1,040	5.5	42.4	42.4	42.5	0.1		

¹Feet above confluence with Bullfrog Creek

	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	HILLSBOROUGH COUNTY, FLORIDA	
7	AND INCORPORATED AREAS	FLOODING SOURCE: TADPOLE CREEK

LOCATION				FLOODWAY 1% ANNUAL CHANCE FLOOD WATER SU ELEVATION (FEET NAVD88)			JRFACE		
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
100022- 100006*									
610450		24,925				16.5	16.5	16.6	0.1
610500	9610450	29,275	400	6,940	1.1	16.5	16.5	16.6	0.1
610550	9610500	31,810	450	7,060	1.0	16.6	16.6	16.6	0.0
610600	9610550	31,940	440	6,530	1.0	19.3	19.3	19.5	0.2
610625	9610600	33,600	230	6,260	0.0	19.4	19.4	19.6	0.2
610650	9610625	33,726	390	6,250	1.8	25.8	25.8	26.0	0.2
610700	9610650	34,377	220	6,250	0.0	33.4	33.4	34.4	1.0
610750	9610701	40,192	250	6,250	0.0	34.7	34.7	35.6	0.9
	9610750	,	290	6,250	1.3				
610800	9610800	44,322	300	6,250	1.2	34.7	34.7	35.7	1.0
610850	9610850	45,490				34.8	34.8	34.8	0.0

¹Feet above Gate S-160

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS

FLOODING SOURCE: TAMPA BYPASS CANAL

^{*}No floodway data computed

LOCATION				FLOODWAY 1% ANNUAL CHANCE FLOOD WATER SUR ELEVATION (FEET NAVD88)			JRFACE		
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
680520	0000050	0	7.4	500	0.45	83.1	83.1	83.1	0.0
682050	9682050	4,137	74	536	3.45	87.4	87.4	87.4	0.0
682100	9682100	5,322	75	488	1.78	87.8	87.8	88.0	0.2
682125	9682125	5,603	53	349	2.49	87.9	87.9	87.9	0.0
682150	1682150	5,958	49	315	7.29	89.1	89.1	89.1	0.0
682200	9682200	7,081	33	343	2.66	89.5	89.5	89.8	0.3
682225	9682225	7,296	49	342	3.29	89.8	89.8	89.9	0.1
682250	1682250	7,329	61	342	11.08	94.0	94.0	94.1	0.1
682310	9682310	9,651	85	363	1.0	94.4	94.4	94.5	0.1
682320	9682320	10,529	39	509	1.84	94.5	94.5	94.7	0.1
	9682325		33	509	2.6				
682325	9682330	11,618	52	509	1.99	94.8	94.8	95.1	0.3
682330	9682350	12,187	46	509	2.94	94.9	94.9	95.1	0.2
682350	9682375	12,946	146	299	0.62	95.0	95.0	95.2	0.2

¹Feet above confluence with Blackwater Creek

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: TIGER CREEK

LOCATION				FLOODWAY	(1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			JRFACE
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
682375	9682400	14,417	28	296	3.59	95.0	95.0	95.2	0.2
682400	1682450	15,852	25		2.53	97.0	97.0	97.0	0.0
682450	1682500	18,268	25	118	6.35	99.2	99.2	99.2	0.0
682500						99.8	99.8	99.8	0.0

¹Feet above confluence with Blackwater Creek

ΤA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA FLOODING SOURCE: TIGER CREEK			
BLE	HILLSBOROUGH COUNTY, FLORIDA				
23	AND INCORPORATED AREAS				

	LOCATION			FLOODWAY	1	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
605100	9630000	0	282	2,510	2.74	35.3	29.7 ²	30.3	0.6
630000	9630025	7,413	348	2,520	1.24	35.3	34.2 ²	35.0	0.8
630025	9630050	11,059	631	2,510	1.68	35.5	35.5	36.2	0.7
630050	9630060	12,867	689	2,330	1.27	36.8	36.8	37.0	0.2
630060	9630070	14,196	476	2,330	1.47	37.2	37.2	37.4	0.2
630070	9630075	15,622	479	2,330	1.18	38.1	38.1	38.2	0.1
630075	9630085	16,868	546	2,110	1.45	38.4	38.4	38.5	0.1
630085	9630100	18,245	248	2,110	2.0	39.2	39.2	39.3	0.1
630100	9630105	19,420	236	1,770	1.13	40.2	40.2	40.7	0.5
630105	9630110	20,403	396	1,770	1.31	40.6	40.6	40.8	0.2
630110	9630115	21,131	403	1,770	1.11	41.1	41.1	41.4	0.3
630115	1630120	21,585	*	1,060	8.32	41.4	41.4	41.7	0.3
630120	9630125	21,773	414	1,760	1.31	41.7	41.7	41.8	0.1

¹Feet above confluence with Hillsborough River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY

HILLSBOROUGH COUNTY, FLORIDA

AND INCORPORATED AREAS

FLOODING SOURCE: TROUT CREEK

²Elevation computed without consideration of backwater effects from Hillsborough River

^{*}Data not available

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
630125	9630130	22,303	531	1,760	1.38	41.8	41.8	42.2	0.4
630130		23,773		ŕ		42.4	42.4	42.7	0.3
630140	9630140	25,308	580	1,680	0.95	42.9	42.9	43.0	0.1
630145	9630145	26,917	570	1,680	1.06	43.1	43.1	43.3	0.2
630150	9630150	28,112	401	1,680	1.28	43.5	43.5	43.8	0.3
630160	9630160	29,296	581	1,590	0.7	43.7	43.7	44.0	0.3
630170	9630170	30,135	655	1,590	1.58	43.8	43.8	44.2	0.4
630175	9630175	31,021	248	1,540	2.95	46.1	46.1	46.5	0.4
630180	9630180	31,896	371	1,540	0.73	46.3	46.3	46.7	0.4
630190	9630190	33,035	281	1,510	1.1	46.5	46.5	46.9	0.4
630200	9630200	34,105	336	1,500	1.23	47.0	47.0	47.5	0.5
630215	9630215	35,379	424	1,500	0.88	47.3	47.3	47.9	0.6
630220	9630220	35,513	328	1,500	2.28	47.7	47.7	48.1	0.4
000220	9630225	55,515	336	1,500	2.03	71.1	71.1	70.1	0.4

¹Feet above confluence with Hillsborough River

TABLE 23

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS

FLOODING SOURCE: TROUT CREEK

	LOCATION			FLOODWAY	<u> </u>	1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
630225	630230	35,931	506	1,500	0.87	47.8	47.8	48.3	0.5
630230	630240	37,051	1,017	1,500	0.42	48.4	48.4	48.7	0.3
630240		37,445	, -	,		48.5	48.5	48.7	0.2

¹Feet above confluence with Hillsborough River

ΤĀ	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
BLE	HILLSBOROUGH COUNTY, FLORIDA	
23	AND INCORPORATED AREAS	FLOODING SOURCE: TROUT CREEK

	LOCATION			FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
810420	9812230	0	55	915	3.9	22.8	22.0 ²	23.5	0.7	
812230	9812250	1,552	15	547	4.2	22.8	22.1 ²	22.2	0.1	
812250	9812260	2,191	17	460	2.7	35.2	35.2	35.7	0.5	
812260		3,306				39.4	39.4	39.4	0.0	

¹Feet above confluence with Bullfrog Creek

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS

FLOODING SOURCE: TUCKER RHODINE

²Elevation computed without consideration of backwater effects from Bullfrog Creek

	LOCATION			FLOODWAY	(1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
605750	9665030	0	214	1,260	2.66	37.0	37.0	37.2	0.2
665030	9665040	9,360	× ×	920	3.31	42.1	42.1	42.7	0.6
665040		9,707	*			42.7	42.7	43.4	0.7
665050	1665050	9,802	214	464 723	10.42 2.02	46.6	46.6	46.9	0.3
665100	9665100 9665130	13,627	156	630	1.75	50.4	50.4	50.5	0.1
665130		15,186				52.1	52.1	52.1	0.0
665190	9665190	17,038	59 141	575 82.3	2.72 7.02	55.0	55.0	55.3	0.3
665200	9665200 9665290	17,040	141	82.3	7.02	56.5	56.5	56.5	0.0
665290	1665300	19,781	190	79.6	6.85	60.9	60.9	61.0	0.1
665300	9665390	19,799	277	79.6 531	0.83	63.6	63.6	63.6	0.0
665390	1665400	22,729	116	82.3	7.09	64.4	64.4	64.6	0.2
665400	6665500	22,795	184	15.2	0.0	66.1	66.1	66.1	0.0
665500	9665600	25,036	76	104	1.09	69.4	69.4	69.4	0.0

¹Feet above confluence with Hillsborough River

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: TWO HOLE BRANCH

^{*}Data not available

	LOCATION			FLOODWAY	(1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
665600	6665701	27,076	136	77.6	0	72.6	72.6	72.6	0.0
665700		28,704		77.6	_	75.3	75.3	75.3	0.0
665750	9665750	29,595	162	465	1.38	76.1	76.1	76.6	0.5
665790	9665790	30,900	433	458	0.59	76.9	76.9	77.0	0.1
665800	1665800	30,967	290	9.59	2.96	77.0	77.0	77.0	0.0
665810	9665810	32,235	43	262	3.01	79.7	79.7	80.2	0.5
665830	9665830	33,738	46	262	3.94	81.3	81.3	81.4	0.1
	9665835	,	57	296	2.46				
665835	9665840	34,223	50	296	3.68	81.4	81.4	81.9	0.5
665840	1665850	34,518	112	58.1	5.38	83.5	83.5	83.5	0.0
665850	9665860	34,565	146	292	0.96	84.0	84.0	84.2	0.2
665860	1665870	34,729	126	13.2	4.2	84.0	84.0	84.0	0.0
665870	9665890	34,774	10	95.8	2.22	84.1	84.1	84.1	0.0
665890	1665900	35,671	40	40.0	5.64	84.9	84.9	85.5	0.6

¹Feet above confluence with Hillsborough River

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: TWO HOLE BRANCH

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
665900	1665925	35,713	30	32.5	7.21	85.4	85.4	85.4	0.0
665925	9665950	37,558	84	250	1.49	85.5	85.5	85.5	0.0
665950	9665960	39,930	143	96.9	1.05	89.1	89.1	89.2	0.1
665960		43,660				92.6	92.6	92.6	0.0

¹Feet above confluence with Hillsborough River

ΤA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
BL	HILLSBOROUGH COUNTY, FLORIDA	1 LOODWAL DALLA
	THEEDBORGOOT GOOTT 1, I EORIDA	FLOODING SOURCE: TWO HOLE BRANCH
ω	AND INCORPORATED AREAS	PLOODING SOURCE. TWO HOLE BRANCH

	LOCATION			FLOODWAY	(1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
665500	0007000	0	270	40.0	0.0	69.4	69.4	69.4	0.0
667000	6667000	305	370	19.8	0.0	71.3	71.3	71.3	0.0
667100	1667100	1,766	370	13.7	4.74	71.7	71.7	71.7	0.0
667150	6667150	3,491	370	53.1	0.0	75.1	75.1	75.1	0.0
667200	6667200	4,158	370	22.1	0.0	75.1	75.1	75.1	0.0
667300	9667300	8,526	370	88.6	0.18	75.1	75.1	75.1	0.0
667500	1667500	8,574	208	19.9	6.55	75.1	75.1	75.1	0.0
667600	6667600	10,615	208	18.9	0.0	75.8	75.8	75.8	0.0
667610	9667610	11,135	184	57.0	0.17	75.8	75.8	75.8	0.0
667690	9667690	11,941	45	56.3	0.77	76.1	76.1	76.1	0.0
667700	1667700	12,009	37	29.5	5.22	76.8	76.8	76.8	0.0
667800	1667800	13,327	37	7.03	5.21	77.4	77.4	77.4	0.0
667890	9667890	16,338	5	0.0	0.0	77.4	77.4	77. 4 77.4	0.0
007030	1667900	10,550	56	17.3	4.58	77.4	77.7	77.4	0.0

¹Feet above confluence with Two Hole Branch

FEDERAL EMERGENCY MANAGEMENT AGENCY
HILLSBOROUGH COUNTY, FLORIDA
AND INCORPORATED AREAS
FLOODING SOURCE: TWO HOLE BRANCH TRIBUTARY 1

	LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ¹	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
667900	1667905	16,403	56	5.89	4.33	81.1	81.1	81.1	0.0
667905	9667910	17,404	70	333.0	2.23	81.2	81.2	81.5	0.3
667910	1667920	18,284	61	74.5	5.69	83.2	83.2	83.4	0.2
667920	9667925	18,346	43	217	3.42	83.5	83.5	83.8	0.3
667925		20,020	88	186	2	86.2	86.2	86.2	0.0
667940	9667940	24,786				92.0	92.0	92.0	0.0
667945	1667945	24,820	88	3.06	4.05	92.8	92.8	92.8	0.0
667950	6667950	28,125	88	57.3	0	96.6	96.6	96.6	0.0

¹Feet above confluence with Two Hole Branch

TA	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
ᄩ	HILLSBOROUGH COUNTY, FLORIDA	
23	AND INCORPORATED AREAS	FLOODING SOURCE: TWO HOLE BRANCH TRIBUTARY 1

LOCATION			FLOODWAY		1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)				
JUNCTION NUMBER	CONDUIT NUMBER	DISTANCE ²	WIDTH (FEET)	PEAK FLOW	VELOCITY	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
900400 ¹		0				*	2.8 ⁴	N/A	N/A
915150	9915150	12,195	630	1,710	0.6	8.1 ³	3.6 ⁴	3.6	0.0
915165	9915165	14,360	187	1,530	1.9	10.4 ³	10.2 ⁴	10.2	0.0
915175	9915175	18,446	297	1,420	1.4	12.4	12.4	12.4	0.0
915250	1915250 9915275	22,574	200 380	1,420 1,330	1.4 0.8	13.3	13.3	13.3	0.0
915275	1915300	27,503	225	1,330	0.8	13.6	13.6	13.6	0.0
915300	9915400	32,463	400	1,040	1.0	14.1	14.1	14.1	0.0
915400	0010100	40,428	.00	1,010		15.0	15.0	15.0	0.0

¹Floodway not shown
²Feet above confluence with Little Manatee River
³Elevations computed without consideration of wave effects
⁴Elevations computed without consideration of backwater effects from Tampa Bay
*Controlled by coastal flooding – see Flood Insurance Rate Map for regulatory base flood elevation

A	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA		
	HILLSBOROUGH COUNTY, FLORIDA	. 200211711 271171		
23	AND INCORPORATED AREAS	FLOODING SOURCE: WILDCAT CREEK		

Table 24: Flood Hazard and Non-Encroachment Data for Selected Streams [Not Applicable to this Flood Risk Project]

6.4 Coastal Flood Hazard Mapping

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

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

The limit of Zone VE shown on the FIRM is defined as the farthest inland extent of any of these criteria (determined for the 1% 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 (hv²) is greater than or equal to 200 ft³/sec². This zone may only be used on the Pacific Coast.

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

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

Table 25: Summary of Coastal Transect Mapping Considerations

		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 14, 16 AE 11-13	Wave Height	SWEL
2		N/A	VE 14, 16 AE 10-13	Wave Height	SWEL
3		N/A	VE 14, 16 AE 11-13	Wave Height	SWEL
4		N/A	VE 14, 16 AE 11-12	Wave Height	SWEL
5		N/A	VE 14, 16 AE 11-12	Wave Height	SWEL
6		N/A	VE 13-15 AE 11-13	Wave Height	SWEL
7		N/A	VE 13-14, 16 AE 11-13	Wave Height	SWEL
8		N/A	VE 13, 16 AE 11-13	Wave Height	SWEL
9		N/A	VE 13-14, 16 AE 11-13	Wave Height	SWEL
10		N/A	VE 16 AE 11-12	Wave Height	SWEL
11		N/A	VE 13, 16 AE 12-13	Wave Height	SWEL
12		N/A	VE 13, 16 AE 11-12	Wave Height	SWEL
13		N/A	VE 13, 16 AE 12	Wave Height	SWEL
14		N/A	VE 14, 16 AE 11-12	Wave Height	SWEL
15		N/A	VE 15-16 AE 11-12	Wave Height	SWEL
16		N/A	VE 13, 16 AE 11-12	Wave Height	SWEL
17		N/A	VE 16 AE 11-12	Wave Height	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
18		N/A	VE 15 AE 11-12	Wave Height	SWEL
19		N/A	VE 15 AE 11-12	Wave Height	SWEL
20		N/A	VE 15 AE 10-12	Wave Height	SWEL
21		N/A	VE 15 AE 10-12	Wave Height	SWEL
22		N/A	VE 15 AE 10-11	Wave Height	SWEL
23		N/A	VE 12-13, 15 AE 10-11	Wave Height	SWEL
24		N/A	VE 15 AE 10-12	Wave Height	SWEL
25		N/A	VE 15 AE 10-11	Wave Height	SWEL
26		N/A	VE 15 AE 10-11	Wave Height	SWEL
27		N/A	VE 15 AE 10-11	Wave Height	SWEL
28		N/A	VE 15 AE 10-11	Wave Height	SWEL
29		N/A	VE 14 AE 10-11	Wave Height	SWEL
30		VE 11	VE 14 AE 10-12	Wave Height	SWEL
31		VE 14	VE 14 AE 10-11	Runup	SWEL
32		N/A	VE 14 AE 10-11	Wave Height	SWEL
33		N/A	VE 14 AE 10-11	Wave Height	SWEL
34		N/A	VE 15 AE 10-11	Wave Height	SWEL
35		N/A	VE 15 AE 10-11	Wave Height	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
36		N/A	VE 15 AE 10-11	Wave Height	SWEL
37		N/A	VE 15 AE 10-12	Wave Height	SWEL
38		N/A	VE 13-15 AE 10-12	Wave Height	SWEL
39		N/A	VE 14-15 AE 10-12	Wave Height	SWEL
40		N/A	VE 15 AE 11-12	Wave Height	SWEL
41		N/A	VE 12-13, 15 AE 12	Wave Height	SWEL
42		N/A	VE 13, 15 AE 11-12	Wave Height	SWEL
43		N/A	VE 13-14 AE 11-12	Wave Height	SWEL
44		N/A	VE 13-14 AE 10-12	Wave Height	SWEL
45		N/A	VE 13-14 AE 10-12	Wave Height	SWEL
46		N/A	VE 13-14 AE 10-12	Wave Height	SWEL
47		N/A	VE 14 AE 10-12	Wave Height	SWEL
48		N/A	VE 15 AE 10-12	Wave Height	SWEL
49		N/A	VE 15 AE 10-12	Wave Height	SWEL
50		N/A	VE 15 AE 10-12	Wave Height	SWEL
51		N/A	VE 13, 15 AE 10-12	Wave Height	SWEL
52		N/A	VE 13, 15 AE 10-12	Wave Height	SWEL
53		N/A	VE 13, 15	Wave Height	SWEL
54		N/A	VE 13, 15 AE 11-12	Wave Height	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
55		N/A	VE 13, 15 AE 11-12	Wave Height	SWEL
56		N/A	VE 13, 16 AE 12	Wave Height	SWEL
57		N/A	VE 13, 16 AE 11-12	Wave Height	SWEL
58		N/A	VE 13, 16 AE 11-12	Wave Height	SWEL
59		N/A	VE 13, 16 AE 11-12	Wave Height	SWEL
60		N/A	VE 16 AE 11-12	Wave Height	SWEL
61		N/A	VE 16 AE 11-12	Wave Height	SWEL
62		N/A	VE 16 AE 11-12	Wave Height	SWEL
63		N/A	VE 16 AE 11-12	Wave Height	SWEL
64		N/A	VE 16 AE 11-12	Wave Height	SWEL
65		N/A	VE 13-16 AE 11-12	Wave Height	SWEL
66		N/A	VE 16 AE 12-13	Wave Height	SWEL
67		N/A	VE 16 AE 12	Wave Height	SWEL
68		N/A	VE 16 AE 11-13	Wave Height	SWEL
69		N/A	VE 16 AE 11-12	Wave Height	SWEL
70		N/A	VE 16 AE 12	Wave Height	SWEL
71		N/A	VE 13-14, 16 AE 11-13	Wave Height	SWEL
72		N/A	VE 14, 17 AE 11-13	Wave Height	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
73		N/A	VE 14, 17 AE 12	Wave Height	SWEL
74		N/A	VE 14, 17 AE 12-13	Wave Height	SWEL
75		N/A	VE 14, 17 AE 12-13	Wave Height	SWEL
76		N/A	VE 14, 17 AE 11-13	Wave Height	SWEL
77		N/A	VE 16 AE 11-13	Wave Height	SWEL
78		N/A	VE 14, 16 AE 12-13	Wave Height	SWEL
79		N/A	VE 14, 16 AE 12-13	Wave Height	SWEL
80		N/A	VE 14, 17 AE 12-13	Wave Height	SWEL
81		N/A	VE 14, 17 AE 12-13	Wave Height	SWEL
82		N/A	VE 14, 16 AE 11-12	Wave Height	SWEL
83		VE 19	VE 19 AE 11-13	Runup	SWEL
84		VE 18	VE 14, 18 AE 11-13	Runup	SWEL
85		N/A	VE 14-16 AE 11-13	Wave Height	SWEL
86		N/A	VE 14, 16 AE 11-12	Wave Height	SWEL
87		N/A	VE 14, 16 AE 11-13	Wave Height	SWEL
88		N/A	VE 14, 16 AE 11-12	Wave Height	SWEL
89		N/A	VE 14 AE 11-12	Wave Height	SWEL
90		N/A	VE 14-15 AE 11-12	Wave Height	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
91		N/A	VE 13, 15 AE 11-12	Wave Height	SWEL
92		VE15	VE 15 AE 10-11	Overtopping	SWEL
93		N/A	VE 15 AE 10-12	Wave Height	SWEL
94		N/A	VE 13, 15 AE 11-12	Wave Height	SWEL
95		N/A	VE 13, 15 AE 10-12	Wave Height	SWEL
96		N/A	VE 15 AE 10-12	Wave Height	SWEL
97		N/A	VE 15 AE 10-12	Wave Height	SWEL
98		N/A	VE 15 AE 9-11	Wave Height	SWEL
99		N/A	VE 12-14 AE 9-11	Wave Height	SWEL
100		N/A	VE 12, 14 AE 9-11	Wave Height	SWEL
101		N/A	VE 12, 14 AE 9-11	Wave Height	SWEL
102		N/A	VE 12, 14 AE 9-11	Wave Height	SWEL
103		N/A	VE 13, 14 AE 9-11	Wave Height	SWEL
104		N/A	VE 14 AE 9-11	Wave Height	SWEL
105		VE 11	VE 11	Runup	Runup
106		N/A	VE 11, 14 AE 9-11	Wave Height	SWEL
107		N/A	VE 11 AE 8-12	Wave Height	SWEL
108		N/A	VE 11, 13 AE 8-11	Wave Height	SWEL
109		N/A	VE 11, 14 AE 9-11	Wave Height	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
110		N/A	VE 11, 13 AE 9-10	Wave Height	SWEL
111		N/A	VE 11 AE 9-10	Wave Height	SWEL
112		N/A	VE 11, 13 AE 9-11	Wave Height	SWEL
113		N/A	VE 11 AE 9-11	Wave Height	SWEL
114		N/A	VE 11, 13 AE 8-10	Wave Height	SWEL
115		N/A	VE 11, 13 AE 8-10	Wave Height	SWEL
116		N/A	VE 11, 13 AE 8-10	Wave Height	SWEL
117		VE 16	N/A	Runup	Runup
118		VE 23	VE 23 AO 1 AE 10	Overtopping	SWEL

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.

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

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

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

6.5.2 Letters of Map Revision Based on Fill

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

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

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

6.5.3 Letters of Map Revision

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

To obtain an application for a LOMR, visit www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/mt-2-application-forms-and-instructions 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 Hillsborough County FIRM are listed in Table 26. Please note that this table only includes LOMCs that have been issued on the FIRM panels updated by this map

revision. For all other areas within this county, users should be aware that revisions to the FIS Report made by prior LOMRs may not be reflected herein and users will need to continue to use the previously issued LOMRs to obtain the most current data.

Table 26: Incorporated Letters of Map Change

Case Number	Effective Date	Flooding Source	FIRM Panel(s)
17-04-1127P	04-04-2018	Bullfrog Creek	12057C0503J 12057C0504J 12057C0511J 12057C0515H ¹
16-04-3005P	09-26-2016	Pond 1 and Pond 2	12057C0656J
09-04-6115P	05-21-2010	Overland Connection	12057C0187J 12057C0191J

¹ Although a portion of LOMR 17-04-1127P falls within the scope of this map revision, panel 12057C0515H was not revised. Therefore, users must continue to refer to the annotated FIRM attachment for this LOMR for FIRM panel 12057C0515H.

6.5.4 Physical Map Revisions

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

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

For more information about the PMR process, please visit www.fema.gov and visit the "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 Hillsborough 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 Hillsborough County FIRMs in countywide format was 08/28/2008.

Table 27: Community Map History

Community Name	Initial Identification Date (First NFIP Map Published)	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Hillsborough County, Unincorporated Areas	06/17/1977	06/17/1977	N/A	06/18/1980	TBD 09/27/2013 08/28/2008 06/30/1999 08/03/1992 08/15/1989 01/16/1987 04/17/1984
Plant City, City of	06/28/1974	06/28/1974	02/20/1976	04/29/1983	08/28/2008
Tampa, City of	07/01/1977	07/01/1977	N/A	06/18/1980	TBD 09/27/2013 08/28/2008 09/30/1982
Temple Terrace, City of	07/19/1974	07/19/1974	02/27/1976	07/08/1977	08/28/2008 06/18/1990 08/19/1987