Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION
DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	**Orange County Florida (Unincorporated Areas)**	**NO PROJECT**	**BASE MAP CHANGES FLOODWAY HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA**
	COMMUNITY NO.: 120179		
IDENTIFIER	Winter Park Chain of Lakes	**APPROXIMATE LATITUDE & LONGITUDE: 28.632, -81.329 SOURCE:** USGS QUADRANGLE **DATUM:** NAD 83	

ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES
TYPE: FIRM* NO.: 12095C0255F DATE: September 25, 2009 TYPE: FIRM* NO.: 12095C0165F DATE: September 25, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT:September 25, 2009 PROFILE(S): 21P FLOODWAY DATA TABLE: 7 SUMMARY OF DISCHARGES TABLE: 4 STILLWATER ELEVATION TABLE: 5

Enclosures reflect changes to flooding sources affected by this revision.
* FIRM - Flood Insurance Rate Map; ** FBFM - Flood Boundary and Floodway Map; *** FHBM - Flood Hazard Boundary Map

FLOODING SOURCE(S) & REVISED REACH(ES) **See Page 2 for Additional Flooding Sources**

Howell Creek - from the county boundary between Seminole and Orange Counties to Lake Maitland

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Howell Creek	Zone AE	Zone AE	NONE	YES
	Floodway	Floodway	YES	YES
	BFEs*	BFEs	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE(S) & REVISED REACH(ES)

Lake Waumpi - centered approximately 370 feet east and 1,050 feet south of Kewannee Trail and Mohawk Trail

Lake Sue - centered approximately 3,220 feet east and 2,260 feet north of the intersection of East Princeton Street and U.S. Highway 92/U.S. Highway 17

Lake Rowena - centered approximately 1,390 feet east and 100 feet north of the intersection of East Princeton Street and U.S. Highway 92/U.S. Highway 17

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Lake Waumpi	Zone AE	Zone AE	NONE	YES
	Floodway	Floodway	YES	YES
	BFEs*	BFEs	NONE	YES
	Zone X (unshaded)	Zone X (shaded)	YES	NONE
Lake Sue	Zone AE	Zone AE	YES	NONE
	Zone X (unshaded)	Zone X (shaded)	YES	NONE
	BFEs	BFEs	YES	NONE
Lake Rowena	Zone AE	Zone AE	YES	NONE
	BFEs	BFEs	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	NONE

* BFEs - Base Flood Elevations

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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 120184 **Name:** City of Maitland, Florida

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM* NO.: 12095C0165F DATE: September 25, 2009 TYPE: FIRM* NO.: 12095C0255F DATE: September 25, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: September 25, 2009 PROFILE(S): 21P, 42P, 68P FLOODWAY DATA TABLE: 7 SUMMARY OF DISCHARGES TABLE: 4 STILLWATER ELEVATION TABLE: 5

CID Number: 120186 **Name:** City of Orlando, Florida

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM* NO.: 12095C0255F DATE: September 25, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: September 25, 2009 PROFILE(S): 43P FLOODWAY DATA TABLE: 7 SUMMARY OF DISCHARGES TABLE: 4 STILLWATER ELEVATION TABLE: 5

CID Number: 120188 **Name:** City of Winter Park, Florida

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM* NO.: 12095C0165F DATE: September 25, 2009 TYPE: FIRM* NO.: 12095C0255F DATE: September 25, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: September 25, 2009 PROFILE(S): 43P, 21P FLOODWAY DATA TABLE: 7 SUMMARY OF DISCHARGES TABLE: 4 STILLWATER ELEVATION TABLE: 5

CID Number: 120289 **Name:** Seminole County, Florida

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM* NO.: 12117C0165F DATE: September 28, 2007	DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: September 28, 2007 PROFILE(S): 20P FLOODWAY DATA TABLE: 5 SUMMARY OF DISCHARGES TABLE: 3

CID Number: 120291 **Name:** City of Casselberry, Florida

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

TYPE: FIRM* NO.: 12117C0165F DATE: September 28, 2007	DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: September 28, 2007 PROFILE(S): 20P FLOODWAY DATA TABLE: 5 SUMMARY OF DISCHARGES TABLE: 3

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Brad Loar
Director, Mitigation Division
Federal Emergency Management Agency, Region IV
Koger Center - Rutgers Building, 3003 Chamblee Tucker Road
Atlanta, GA 30341
(770) 220-5400

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panels and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the Federal Register. This information also will be published in your local newspaper on or about the dates listed below and through FEMA's Flood Hazard Mapping website at https://www.floodmaps.fema.gov/fhm/Scripts/bfe_main.asp.

LOCAL NEWSPAPER Name: *The Orlando Sentinel*
Dates: October 31, 2013 and November 7, 2013

Within 90 days of the second publication in the local newspaper, a citizen may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised BFEs presented in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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Study	Rainfall Parameters (1% annual-chance total)
Lakes Stanley, Lucy, Barlow, Florence, and Lenore	SJRWMD 96-hr (15 inches)
West Colonial and Mercy Drive Area	SFWMD 72-hr (13 inches)

The stillwater elevations for the 10-, 2-, 1-, and 0.2-percent-annual-chance flood event have been determined for the lakes studied by detailed methods and are summarized in Table 5, "Summary of Stillwater Elevations". Unless otherwise noted, the elevations listed in Table 5 apply for the entire shoreline of the lake within the county.

TABLE 5. SUMMARY OF STILLWATER ELEVATIONS

FLOODING SOURCE	ELEVATION (FEET NAVD) 10- percent	2-percent	1-percent	0.2-percent
LAKE ADAIR	79.2	80.1	80.6	81.5
LAKE ADDAH	*	*	69.6	*
LAKE ALDEN	65.1	66.3	67.1	68.6
LAKE ALMA	*	*	72.1	*
LAKE ALPHARETTA	*	*	72.4	*
LAKE ANGEL	99.7	102.6	103.5	104.6
APACHE LAKE	*	*	111.4	*
LAKE APOPKA	67.5	68.1	68.3	68.8
LAKE ARLIE	*	*	72.9	75.8
LAKE ARNOLD	97.0	98.6	99.2	100.4
LAKE AUSTIN	*	*	113.3	*
LAKE AVALON	95.2	96.7	97.7	99.6
LAKE BALDWIN	*	*	93.2	*
LAKE BARTHO	*	*	54.8	*
LAKE BARTON	94.3	95.0	95.3	96.0
LITTLE LAKE BARTON	93.6	94.3	94.6	95.3
BAY LAKE	90.4	90.9	91.6	92.6
LAKE BEARDALL	96.3	98.1	98.7	99.9
LAKE BEAUCLAIR	64.0	64.7	65.0	65.6
LAKE BEAUTY	91.6	92.4	93.8	95.2
LAKE BELL	89.8	90.8	91.4	92.7
LAKE BENNET	115.3	116.9	117.4	118.5
LAKE BERRY	69.2	69.9	70.3	71.5
LAKE BESSIE	100.0	100.4	100.6	101.0
BIG SAND LAKE	96.9	99.5	100.5	102.3
BLACK LAKE	96.9	99.0	99.7	101.1
LAKE BLANCHE	100.1	100.5	100.7	101.2
BOO BOO LAKE	96.9	99.5	100.5	102.3
BORDER LAKE	73.5	75.6	76.5	77.7
LAKE BOSSE	62.2	63.4	63.8	64.5
LAKE BRYAN	98.5	98.9	99.2	99.9
LITTLE LAKE BRYAN	101.9	102.0	100.3	102.0
BUCHAN POND	138.6	*	139.6	*
LAKE BUCHANAN	93.0	93.5	93.7	94.0
BUCK LAKE	*	*	78.5	*
LAKE BURDEN	106.8	107.4	107.7	108.4

Revised Data

* Data not computed

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EFFECTIVE: March 7, 2014

TABLE 5. SUMMARY OF STILLWATER ELEVATIONS – continued

FLOODING SOURCE	ELEVATION (FEET NAVD) 10 -percent	2- percent	1- percent	0.2- percent
LAKE ESTELLE	74.7	75.4	75.8	76.5
LAKE EULALIA	68.2	69.5	70.4	72.7
LAKE EVE	105.1	105.3	105.4	105.5
LAKE FAIRHOPE	94.4	95.0	95.3	95.8
LAKE FAIRVIEW	88.8	89.6	89.8	90.4
LAKE FAITH	70.3	71.9	72.4	72.8
FISCHER LAKE	92.1	92.9	93.3	94.8
LITTLE FISH LAKE	100.1	100.5	100.7	101.1
LAKE FLORENCE	76.7	79.0	80.7	81.4
LAKE FORMOSA	74.8	75.4	75.8	76.5
LAKE FRAN	*	*	94.8	*
LAKE FRANCIS	61.6	63.3	64.2	65.8
LAKE FREDERICA	*	*	98.7	*
LAKE FULLER	*	*	69.3	*
LAKE GANDY	73.6	74.6	75.0	75.8
LAKE GATLIN	87.0	87.6	88.0	88.8
LAKE GEAR	*	*	110.5	*
LAKE GEM	70.6	72.5	73.6	75.3
LAKE GEM MARY	*	*	92.2	*
LAKE GEORGIA	60.1	60.6	60.9	61.8
LAKE GEYER	78.3	81.4	82.6	84.8
LAKE GIFFORD	*	*	113.1	*
LAKE GIGI	*	*	89.3	*
LAKE GILES	104.0	105.1	105.6	107.2
GRASS LAKE	*	*	113.2	*
LAKE GREENWOOD	66.3	72.2	74.6	79.3
LAKE HANCOCK	*	*	98.9	*
LAKE HART	61.3	62.6	63.0	63.9
LAKE HARTLEY	*	*	99.1	*
HARVEST LAKE	*	*	91.0	*
HEINIGER LAKE	*	*	71.3	*
LAKE HENEY	*	*	105.7	*
LAKE HERRICK	75.6	80.1	81.6	84.8
LAKE HIAWASSEE	78.3	81.4	82.6	84.8
LAKE HIAWATHA	71.7	73.0	73.5	74.9
HICKORYNUT LAKE	*	*	104.0	*
LAKE HIGHLAND	78.7	79.6	80.1	81.0
LAKE HOLDEN	90.7	91.4	91.8	93.1
HOLTS LAKE	*	*	105.2	*
LAKE HOPE	70.5	72.8	73.3	73.7
HUCKLEBERRY LAKE	*	*	96.6	*
LAKE HUNGERFORD	94.6	94.8	95.0	95.2
LAKE IHRIG	*	*	106.2	*
LAKE IRMA	55.1	55.6	56.1	57.1
LAKE ISABEL	80.0	81.1	81.7	83.4
LAKE IVANHOE	78.2	79.1	79.6	80.5
LAKE JACKSON NO. 1	80.9	82.2	83.4	85.7
LAKE JACKSON NO. 2	*	*	81.4	*

Revised Data

Revised Data

Revised Data

* Data not computed

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TABLE 5. SUMMARY OF STILLWATER ELEVATIONS – continued

FLOODING SOURCE	ELEVATION (FEET NAVD) 10 -percent	2- percent	1- percent	0.2- percent
LAKE JENNIE JEWEL	90.0	90.7	91.0	92.1
LAKE JESSAMINE	92.1	92.7	93.1	94.0
LAKE JOHIO	116.9	118.8	119.8	121.8
JOHNS LAKE	96.9	99.0	99.7	101.1
LAKE JUNE	102.5	104.0	104.6	105.5
LAKE KILLARNEY	83.2	84.0	84.4	84.8
LAKE KING	94.4	95.2	95.7	96.7
LAKE KNOWLES	77.7	78.1	78.7	80.0
LAKE OF THE WOODS	77.2	78.6	79.0	80.0
LAKE LANCASTER	72.2	73.7	74.3	75.5
LAWNE LAKE	88.1	89.1	89.4	90.5
LAKE LAWSONA	72.7	73.9	74.3	75.3
LAKE LENORE	70.6	74.3	75.5	78.1
LAKE LERLA	63.3	*	65.6	*
LAKE LILY	70.1	70.8	72.4	74.2
LAKE LILLY NO. 1	*	*	121.4	*
LAKE LINDA	73.6	74.6	75.0	75.8
LOCK LOMOND	88.4	89.4	90.0	91.0
LAKE LOCKHART	73.6	74.7	75.1	75.9
LONG LAKE	72.1	74.8	75.1	75.8
LAKE LORNA DOONE	98.3	100.1	100.8	102.0
LAKE LOTTA	90.0	90.7	90.9	91.4
LAKE LOUISE NO. 1	100.1	100.5	100.7	101.2
LAKE LOUISE NO. 2	*	*	62.3	*
LAKE LUCERNE	86.1	87.3	87.7	88.6
LAKE LUCIE	61.0	62.8	63.5	65.1
LAKE LUCIEN	92.0	92.6	92.8	93.0
LAKE LUCY	77.2	79.0	80.7	81.4
LAKE LURNA	91.1	92.1	92.4	93.2
LAKE LUZOM	*	*	110.8	*
LAKE MABEL	94.2	94.5	94.6	94.9
LAKE MAC	*	*	114.1	*
LAKE MAGGIORE	*	*	87.4	*
LAKE MAITLAND	66.9	67.6	68.0	69.2
LAKE MANN	91.3	93.4	94.1	95.7
LAKE MARDEN	75.3	76.9	77.6	79.8
LAKE MARION	64.0	64.5	65.0	66.3
LAKE MARSHA	127.8	128.4	128.8	129.9
MARSHALL LAKE	*	*	70.3	*
LAKE MARY	93.3	93.9	94.3	95.2
LAKE MARY JANE	61.3	62.6	63.0	63.9
LAKE MAYNARD	65.8	67.9	69.3	70.8
LAKE MCCOY	54.4	*	65.6	*
LAKE MEADOW	82.7	83.1	84.6	85.4
MEDICINE LAKE	70.9	71.6	72.0	73.1
LAKE MERRIL	*	*	62.6	*
LAKE MIDGET	89.0	90.2	91.0	91.9

Revised Data

* Data not computed

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TABLE 5. SUMMARY OF STILLWATER ELEVATIONS – continued

	FLOODING SOURCE	ELEVATION (FEET NAVD) 10 -percent	2- percent	1- percent	0.2- percent
Revised Data	LAKE MINNEHAHA	67.2	68.1	68.7	69.6
Revised Data	LAKE MINORE	*	*	87.4	*
	LAKE MIRA	59.0	59.5	60.0	61.0
	LAKE MIZELL	67.2	68.3	68.9	70.9
	LAKE MOXIE	139.4	142.4	143.4	146.1
	MUD LAKE	*	*	75.4	*
	MUDD LAKE	*	*	113.2	*
	LAKE NAN	*	*	65.8	*
Revised Data	LAKE NEEDHAM	*	*	106.0	*
	NEIGHBORHOOD LAKES	59.1	60.2	60.7	61.4
	LAKE NINA	66.9	67.6	68.0	69.2
	LAKE NONA	*	*	78.5	*
	LAKE NOTASULGA	96.9	98.2	98.8	99.9
	LAKE OLA	72.9	73.3	73.5	73.8
	LAKE OLIVE	74.2	75.7	76.2	77.3
	LAKE OLIVER	*	*	113.3	*
	LAKE OLIVIA	*	*	96.8	*
	LAKE OLIVIA EAST	*	*	98.2	*
	LAKE OLYMPIA	100.0	101.1	101.6	102.6
	LAKE OPAL	*	*	84.0	*
	LAKE ORLANDO	84.2	86.0	86.9	89.0
Revised Data	OSAGE LAKE	*	*	111.3	*
	LITTLE OSAGE LAKE	*	*	111.3	*
	LAKE OSCEOLA	67.1	68.2	68.8	70.8
Revised Data	LAKE PALMER	100.1	100.5	100.7	101.2
	LAKE PAMELA	111.1	112.0	112.5	113.4
	PARK LAKE NO. 1	70.6	72.5	73.6	75.3
	PARK LAKE NO. 2	92.7	94.0	94.5	95.8
	LAKE PAXTON	*	*	48.5	*
	PEACH LAKE	147.9	150.1	151.3	152.4
	LAKE PEARL NO. 1	65.2	68.0	69.2	71.3
	LAKE PEARL NO. 2	53.7	54.6	55.0	56.3
	LAKE PEARL NO. 3	*	*	121.4	*
	LAKE PHILLIPS	*	*	59.9	*
	LAKE PICKETT	*	*	57.7	*
	PIKE LAKE	65.2	65.9	66.2	68.7
	LAKE PINELOCH	93.2	94.2	94.8	97.0
	LAKE PINTO	*	*	83.4	*
	LAKE PIT	*	*	113.3	*
	LAKE PLEASANT	80.0	81.1	81.7	83.4
	POCKET LAKE	100.1	100.5	100.7	101.2
	POND 19	*	*	95.1	*
	POND 740	97.9	98.6	98.8	99.3
	POND A	*	*	69.1	*
	POND B	*	*	69.1	*
	POND C	*	*	68.9	*
	PRAIRIE LAKE	83.4	83.9	84.9	85.7
	LAKE PREVATT	58.5	*	59.6	*

* Data not computed

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REFLECT LOMR
EFFECTIVE: March 7, 2014

TABLE 5. SUMMARY OF STILLWATER ELEVATIONS – continued

FLOODING SOURCE	ELEVATION (FEET NAVD) 10 -percent	2- percent	1- percent	0.2- percent
LAKE PRIMA VISTA	100.0	101.1	101.6	102.6
LAKE RABAMA	109.0	110.0	110.4	111.4
RACCOON LAKE	*	*	105.0	*
LAKE REAMS	*	*	98.8	*
RED LAKE	*	*	78.5	*
REEDY LAKE	*	*	96.0	*
LAKE REXFORD	*	*	112.0	*
LAKE RHEA	117.3	118.0	118.2	118.7
ROCK LAKE	98.3	99.4	99.9	100.8
LAKE ROSE	*	*	88.7	*
LAKE ROUSE	*	*	69.0	*
Revised Data → LAKE ROWENA	74.7	75.4	75.8	76.5
LAKE RUBY	116.2	117.0	117.2	117.7
LAKE RUTHERFORD	68.5	69.7	70.1	71.4
SANDY LAKE	98.2	98.9	99.2	99.9
LITTLE SAND LAKE	97.3	99.9	100.9	102.7
LAKE SARAH	*	*	89.8	*
LAKE SAWGRASS	*	*	99.2	*
LAKE SAWYER	*	*	106.4	*
LITTLE LAKE SAWYER	*	*	106.4	*
LAKE SCOTT	*	*	112.0	*
LAKE SEMMES	69.5	70.3	70.6	71.4
LAKE SENTINEL	*	*	110.4	*
LAKE SHADOW	82.6	83.2	83.6	84.7
LAKE SHANNON	110.2	111.4	112.0	113.0
LAKE SHARP	*	*	98.8	*
LAKE SHEEN	100.1	100.5	100.7	101.2
SHEPPARD LAKE	*	*	70.7	*
LAKE SHERWOOD	82.1	87.5	89.3	92.1
LAKE SIMS	80.6	84.3	85.5	88.1
LAKE SMALL	*	*	78.1	*
SOUTH LAKE	94.1	94.5	94.6	94.9
LAKE SPEER	*	*	100.6	*
LAKE SPIER	89.6	91.2	94.3	96.9
SPRING LAKE NO. 1	97.6	100.2	101.2	103.0
SPRING LAKE NO. 2	90.1	90.8	91.1	91.8
SPRING LAKE NO. 3	114.7	116.5	117.3	118.7
LAKE STANDISH	64.7	66.2	66.9	68.5
LAKE STANLEY	80.7	82.5	83.9	85.5
LAKE STAR	*	*	111.1	*
STARKE LAKE	100.0	101.1	101.6	102.6
Revised Data → LAKE STEER	83.1	86.3	87.6	90.1
STREAM B (SWAMP)	117.9	118.7	119.1	119.8
LAKE SUE	74.0	75.3	75.7	76.5
SUNSET LAKE	96.9	97.7	98.0	98.6
LAKE SUSANNAH	96.9	97.7	96.3	98.7

*Data not computed

REVISED TO REFLECT LOMR EFFECTIVE: March 7, 2014

TABLE 5. SUMMARY OF STILLWATER ELEVATIONS – continued

FLOODING SOURCE	ELEVATION (FEET NAVD) 10 -percent	2- percent	1- percent	0.2- percent
LAKE SYBELIA	72.6	75.1	76.7	78.5
LAKE SYLVAN	71.0	72.3	73.7	77.0
LAKE TANNER	*	*	49.0	*
LAKE TELFER	58.6	59.1	59.6	60.6
TEXAS BASIN PONDING AREA	99.6	100.0	100.1	100.3
LAKE THERESA	109.8	112.7	113.3	113.7
LAKE TIBET	100.1	100.5	100.7	101.2
LAKE TINY	*	*	74.7	*
TROUT LAKE	70.4	74.1	75.3	78.1
TUB LAKE	*	*	96.0	*
TURKEY LAKE	93.0	95.8	96.8	98.9
LAKE TYLER	93.4	93.7	93.8	94.0
LAKE TYNER	92.1	92.7	93.1	94.0
LAKE UNDERHILL	99.9	101.0	101.4	102.4
LAKE VIRGINIA	67.2	68.3	68.9	70.9
LAKE WALKER	94.9	95.9	96.3	97.1
LAKE WARREN NO. 1	*	*	89.1	*
LAKE MARE PRAIRIE	84.8	86.4	88.2	89.7
LAKE WAUNATTA	61.8	62.3	62.8	63.8
LAKE WELDONA	73.7	75.0	75.4	76.3
LAKE WHITNEY	112.0	112.4	112.6	113.0
LAKE WILBAR	82.7	83.8	86.3	89.0
LAKE WILLIAM DAVIS	100.1	100.8	101.1	101.7
LAKE WILLIS	105.6	106.4	107.0	107.6
LAKE WINYAH	74.7	75.4	75.8	76.5
LAKE WITHERINGTON	*	*	69.3	*
WOLF LAKE	*	*	62.6	*
LAKE I	80.6	84.4	86.5	87.0
LAKE II	148.4	148.8	148.9	149.1
LAKE III	74.7	77.9	80.1	81.5
LAKE IV	71.6	73.2	73.7	74.3
LAKE 72	58.0	62.0	63.5	63.7
LAKE 74	112.4	114.0	114.4	115.1
NINA OFFLINE WETLAND TREATMENT SYSTEM	67.2	68.1	68.6	69.4
PONDING AREA NO. 1	*	*	65.9	*
PONDING AREA NO. 2	*	*	57.9	*
PONDING AREA NO. 3	*	*	54.9	*
PONDING AREA NO. 4	*	*	57.9	*
PONDING AREA NO. 5	*	*	53.9	*
PONDING AREA NO. 6	*	*	58.2	*
PONDING AREA NO. 7	*	*	93.4	*
PONDING AREA NO. 8	*	*	62.3	*

Revised Data

Revised Data

Revised Data

*Data not computed

REVISED TO
REFLECT LOMR
EFFECTIVE: March 7, 2014

TABLE 4. SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. mi.)	PEAK DISCHARGES (cfs) 10-percent	2-percent	1-percent	0.2-percent
GOLDENROD CANAL					
Just upstream of the confluence with the Little Econlockhatchee River	*	3,248	*	6,414	*
Just upstream of Goldenrod Rd Dam	*	954	*	1,516	*
HART BRANCH					
At mouth	4.36	1,015	1,451	1,649	2,098
At Moss Park Rd	3.56	924	1,299	1,463	1,844
Revised Data Downstream of Tributary	2.75	678	940	1,066	1,332
HOWELL CREEK					
At mouth	9.58	465	736	921	1,515
LAKE CORRINE OUTFALL CANAL					
At the Arcadia Acres weir	2.62	993	*	1,484	*
Approximately 1,500 feet upstream of State Road 436	*	73	*	130	*
LANDFILL OUTFALL CANAL					
At Curry Ford Rd	9.88	2,677	*	4,458	*
Approximately 2.83 miles upstream of the confluence of East Orlando Outfall Canal	*	102	*	150	*
LITTLE ECONLOCKHATCHEE RIVER					
At the downstream county boundary	18.33	6,834	*	10,701	*
At State Road 50	13.98	3,616	*	5,861	*
At Curry Ford Rd	*	2,677	*	4,458	*
LITTLE WEKIVA RIVER					
At mouth	*	*	*	900	*
MYRTLE BAY					
At mouth	7.8	*	*	1,247	*
At railroad bridge	6.9	*	*	1,484	*
Revised Data At Narcoosee Rd	4.41	*	*	503	*
PARK LAKE OUTFALL CANAL	0.55	78	166	225	311
At mouth at Lake Maitland					

* Data not available

REVISED TO
REFLECT LOMR
EFFECTIVE:March 7, 2014

TABLE 4. SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. mi.)	PEAK DISCHARGES (cfs) 10-percent	2-percent	1-percent	0.2-percent
PARK MANOR OUTFALL CANAL					
Just upstream of the mouth	*	651	*	931	*
At Park Manor Dr	*	84	*	124	*
RIO PINAR CANAL					
At mouth of Outfall to Azalea Park Canal	0.6[1]	*	*	591	*
At Curry Ford Rd	0.4[1]	*	*	187	*
SHINGLE CREEK					
At Interstate Highway 4	20.0	657	859	931	1171
At Florida Turnpike	30.2	2,050	3,268	3,692	4,799
At Beeline Expressway	46.8	2,402	3,746	4,279	5,634
STREAM A NO. 1					
Just US of North Bluford Avenue	0.35	79	98	132	201
Just US of West Oakland Avenue	0.20	45	107	111	163
STREAM A NO. 2					
At mouth at Lake Minnehaha	0.84	102	140	197	336
STREAM A NO. 3					
Downstream of South Pennsylvania Avenue	3.2	197	445	604	1,211
STREAM B					
US of confluence with Stream C	0.84	111	173	201	227
STREAM C					
Just US of SR-429	0.33	843	1478	1857	2492
2750 feet US of SR-429	1.4	353	572	681	867
US of confluence with Stream B	2.47	202	303	352	443
ST. JOHNS RIVER	*	*	*	*	*

Revised Data

* Data not available

[1] Estimated – part of basin flow north to Lake Underhill Canal

REVISED TO REFLECT LOMR EFFECTIVE: March 7, 2014

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Fern Creek								
A	1,285	15[3]	201	1.0	74.8	74.8	75.8	1.0
B	1,595	31[3]	272	0.8	74.9	74.9	75.8	0.9
C	3,640	19[3]	50	4.5	80.0	80.0	80.1	0.1
D	4,090	22[3]	70	3.2	83.9	83.9	83.9	0.0
E	5,400	28[3]	207	0.5	96.8	96.8	97.8	1.0
F	5,760	20[3]	165	0.7	98.9	98.9	99.9	1.0
Hart Branch								
A	1,900	654[2]	2,091	0.8	64.4	64.3	65.3	1.0
B	4,080	495[2]	1,605	1.0	67.7	67.6	68.6	1.0
C	6,270	188[2]	662	2.5	72.6	72.5	73.5	1.0
D	7,536	109[2]	575	2.5	77.0	76.9	77.2	0.3
E	8,769	287[2]	1,650	0.4	77.4	77.3	78.3	1.0
F	11,159	126[2]	552	1.1	78.6	78.5	79.5	1.0
Howell Creek								
A*								
B*								

Revised Data

[1] Feet above mouth
* Data revised based on Link-Node model

REVISED TO
REFLECT LOMR
EFFECTIVE: March 7, 2014

Based on Orange County FIS dated 12/06/2000

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, FL
AND INCORPORATED AREAS

FLOODWAY DATA

FERN CREEK – HART BRANCH – HOWELL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Stream A No. 3								
A*								
B*								
C*								
Tributary to Hart Branch								
				Revised Data				
A	360	149	915	0.5	77.4	77.3[3]	78.2	0.9
B	2,620	157	615	0.8	78.6	78.6	79.6	1.0
Tributary to Lake Lotta								
A	3,487	569	7,503	0.1	100.2	100.2	101.2	1.0
B	5,142	144	1,170	0.5	100.2	100.2	101.2	1.0
C	5,522	73	519	2.1	100.3	100.3	101.3	1.0
D	6,587	243	1,938	0.6	100.7	100.7	101.7	1.0
E	7,297	55	212	5.2	102.4	102.4	102.8	0.4
F	7,777	97	429	2.6	105.7	105.7	106.2	0.5
G	8,492	650	3,928	0.3	106.1	106.1	106.6	0.5
H	11,038	90	685	1.5	112.6	112.6	113.6	1.0

[1] Feet above mouth
[2] Value is inaccurate, as the floodway width has been adjusted in this area to match topographic-based floodplain redelineation
* Data revised based on Link-Node model

REVISED TO REFLECT LOMR EFFECTIVE: March 7, 2014

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, FL
AND INCORPORATED AREAS

FLOODWAY DATA

STREAM A NO. 3 – TRIBUTARY TO HART BRANCH – TRIBUTARY TO LAKE LOTTA

FLOODING SOURCE			FLOODWAY[1]			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
NODES	LINK	DISTANCE[2]	WIDTH (FEET)	PEAK FLOW (CFS)	VELOCTIY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Stream A No. 3									
A		1,982				70.1	70.1	70.1	0.0
	A-B		96	605	5.3				
B		2,892				71.3	71.3	71.3	0.0
C		3,816				71.9	71.9	71.9	0.0
	C-D		223	621	3.0				
D		4,190				71.9	71.9	72.0	0.1

[1] Values represent maximun along link

[2] Feet above Lake Virginia

Revised Data

REVISED TO REFLECT LOMR EFFECTIVE: March 7, 2014

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, FL
AND INCORPORATED AREAS

FLOODWAY DATA

STREAM A NO. 3

FLOODING SOURCE			FLOODWAY[1]			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
NODES	LINK	DISTANCE[2]	WIDTH (FEET)	PEAK FLOW (CFS)	VELOCTIY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Howell Creek									
A	A-B	58,948	1,323	127	0.2	67.8	67.8	67.8	0.0
B		60,315				67.8	67.8	67.8	0.0

[1] Values represent maximun along link

[2] Feet above mouth

Revised Data

REVISED TO REFLECT LOMR EFFECTIVE: March 7, 2014

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, FL

AND INCORPORATED AREAS

FLOODWAY DATA

HOWELL CREEK

ELEVATION IN FEET (NAVD)

45 50 55 60 65 70 75 80 85 90

53,000 54,000 55,000 56,000 57,000 58,000 59,000 60,000 61,000 62,000 63,000 64,000 65,000

STREAM DISTANCE IN FEET ABOVE MOUTH

COUNTY BOUNDARY

LAKE WAUMPI

CORPORATE LIMITS

TEMPLE TRAIL

CORPORATE LIMITS

CORPORATE LIMITS

WEIR

CORPORATE LIMITS

HOWELL BRANCH ROAD

VENETIAN WAY

LAKE MAITLAND

A

B

LEGEND

0.2% ANNUAL CHANCE FLOOD

1% ANNUAL CHANCE FLOOD

2% ANNUAL CHANCE FLOOD

10% ANNUAL CHANCE FLOOD

STREAM BED

A CROSS SECTION LOCATION

55 60 65 70 75 80 85 90

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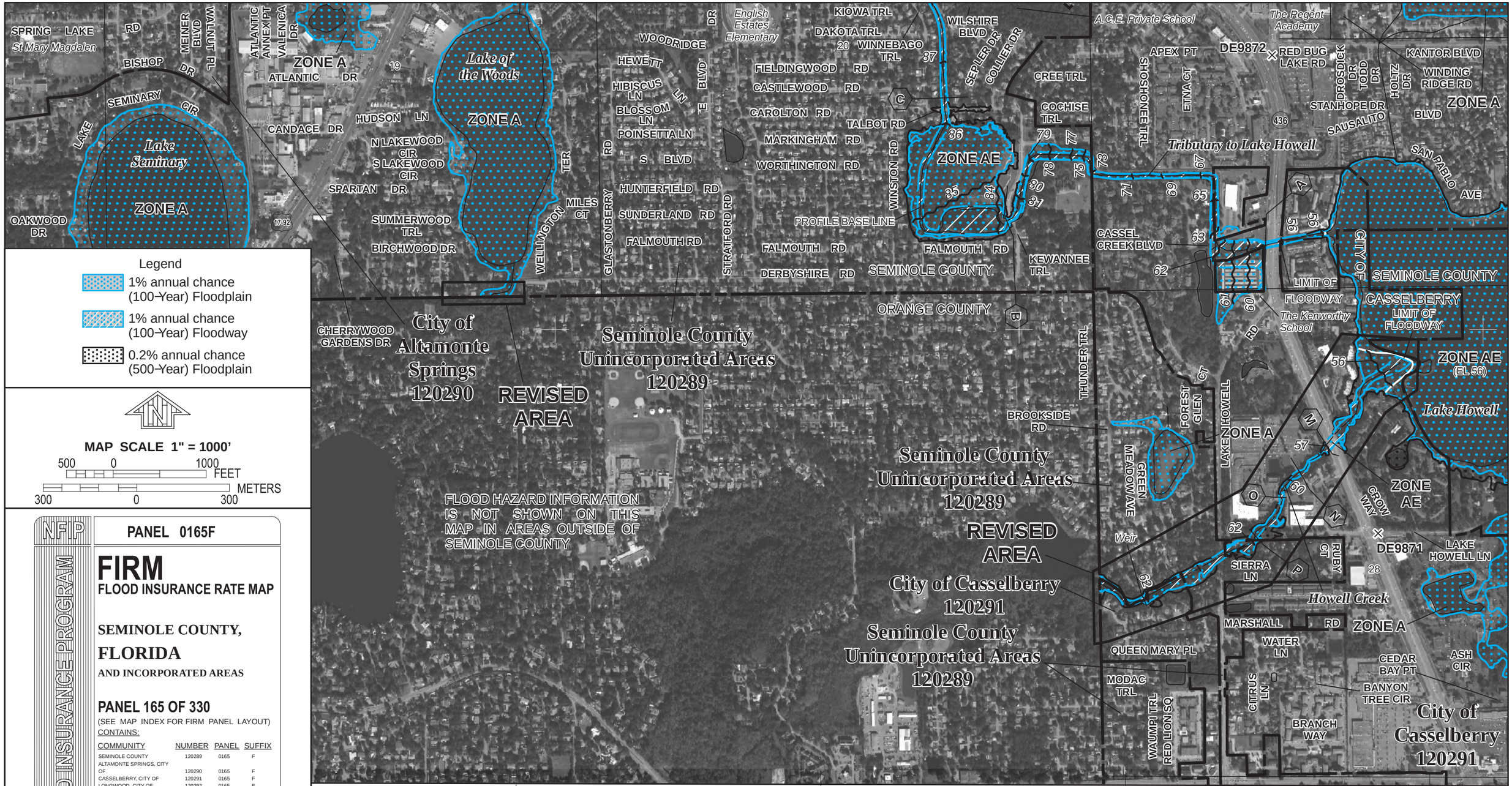
FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, FL
AND INCORPORATED AREAS

FLOOD PROFILES

HOWELL CREEK

21P



NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0165F

FIRM
FLOOD INSURANCE RATE MAP

SEMINOLE COUNTY, FLORIDA
AND INCORPORATED AREAS

PANEL 165 OF 330
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SEMINOLE COUNTY	120289	0165	F
ALTAMONTE SPRINGS, CITY OF	120290	0165	F
CASSELBERRY, CITY OF	120291	0165	F
LONGWOOD, CITY OF	120292	0165	F
WINTER SPRINGS, CITY OF	120295	0165	F

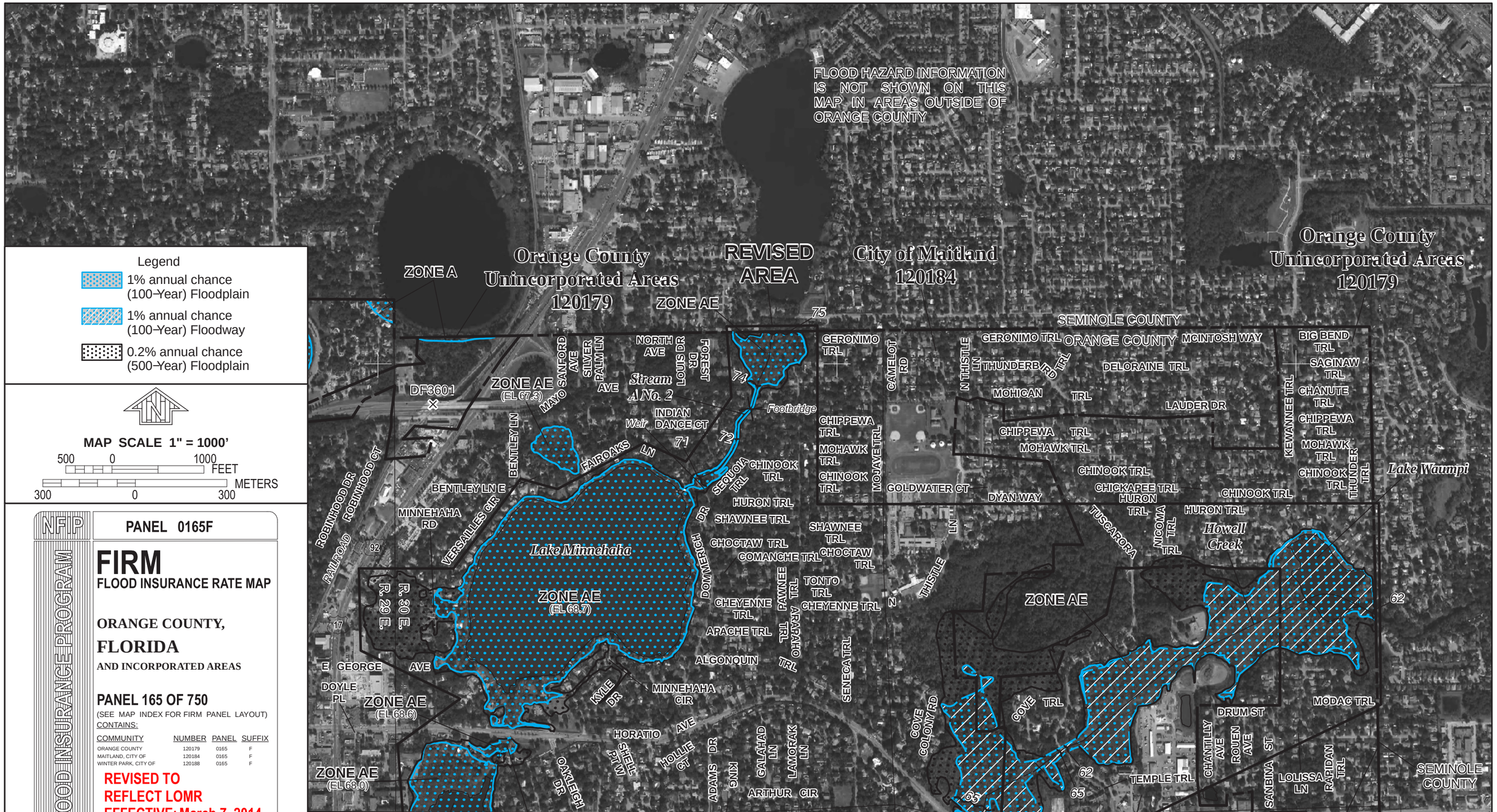
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
12117C0165F

MAP REVISED
SEPTEMBER 28, 2007

Federal Emergency Management Agency

REVISED TO REFLECT LOMR EFFECTIVE: March 7, 2014



Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- 0.2% annual chance (500-Year) Floodplain

MAP SCALE 1" = 1000'

500 0 1000 FEET

300 0 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0165F

FIRM

FLOOD INSURANCE RATE MAP

ORANGE COUNTY,

FLORIDA

AND INCORPORATED AREAS

PANEL 165 OF 750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ORANGE COUNTY	120179	0165	F
MAITLAND, CITY OF	120184	0165	F
WINTER PARK, CITY OF	120188	0165	F

REVISED TO REFLECT LOMR EFFECTIVE: March 7, 2014

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 12095C0165F

MAP REVISED SEPTEMBER 25, 2009

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole−foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Florida State Plane east zone (FIPSZONE 0901). The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum.** For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC−3, #9202
1315 East−West Highway
Silver Spring, MD 20910−3282

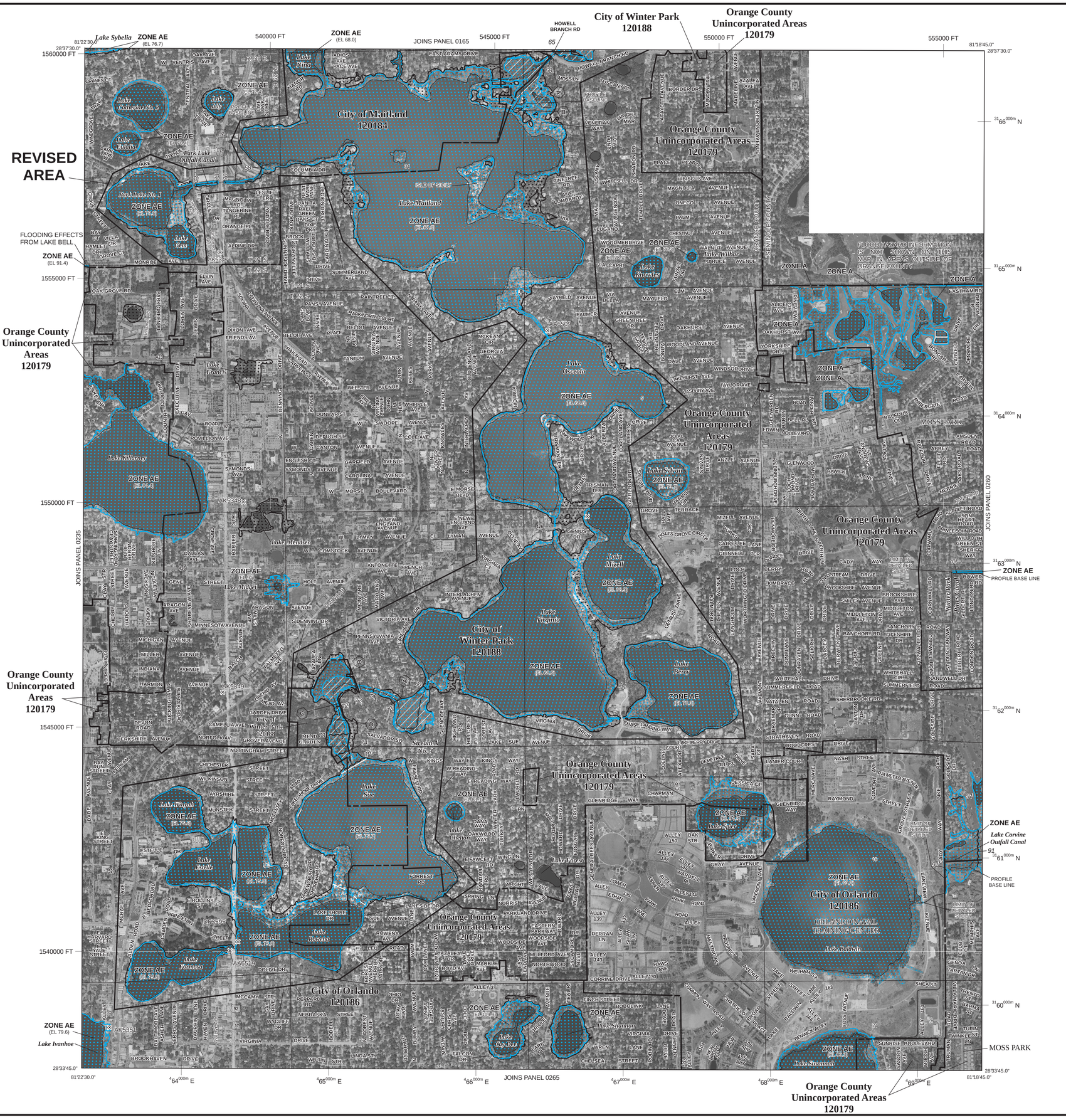
To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713−3242,** or visit its website at http://www.ngs.noaa.gov/.

This map may reflect more detailed or up to date stream channel configurations than those shown on the previous FIRM. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations and improved topographic data. The profile baselines depicted on this map represent the hydraulic modeling baselines that match the flood profiles and Floodway Data Tables if applicable, in the FIS report. As a result, the profile baselines may deviate significantly from the new base map channel representation and may appear outside of the floodplain.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de−annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1−877−FEMA−MAP (1−877−336−2627) or visit the **FEMA Map Service Center** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the **FEMA Map Service Center** website or by calling the FEMA Map Information eXchange.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- A — A — Cross section line
- 23 — 23 — Transect line
- 97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 4275 000m N — 1000-meter Universal Transverse Mercator grid ticks, zone 17
- 6000000 FT — 5000-foot grid ticks: Florida State Plane coordinate system, east zone (FIPSZONE 0901), Transverse Mercator
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1−800−638−6620.

MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
300 0 300 600 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0255F

FIRM
FLOOD INSURANCE RATE MAP
ORANGE COUNTY, FLORIDA
AND INCORPORATED AREAS

PANEL 255 OF 750
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ORANGE COUNTY	120179	0255	F
MAITLAND, CITY OF	120184	0255	F
ORLANDO, CITY OF	120186	0255	F
WINTER PARK, CITY OF	120188	0255	F

REVISED TO REFLECT LOMR EFFECTIVE: March 7, 2014

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 12095C0255F

MAP REVISED SEPTEMBER 25, 2009

Federal Emergency Management Agency