



STORMWATER MANAGEMENT COMMISSION

MEMORANDUM

TO: Planning, Building and Zoning Committee
FROM: Scott Griffith, Regulatory Engineer Supervisor
Mike Warner, Director
DATE: August 24, 2015
SUBJECT: **Watershed Development Ordinance (WDO) Amendments**

No Action Requested: Information Only

The Federal Emergency Management Agency (FEMA) has re-analyzed Squaw Creek and made revisions to the current effective Flood Insurance Study (FIS) report and the Flood Insurance Rate Map (FIRM). To remain in good standing with the FEMA National Flood Insurance Program (NFIP), the Lake County Stormwater Management Commission is required to amend the Watershed Development Ordinance (WDO) to include the map revisions. These revisions will appear in the attached and updated Appendix C. Other proposed amendments to the WDO include reformatting to improve the ease of use, and text amendments pertaining Article V, Article VII and Appendix A. A summary table (EXHIBIT A) is attached for your reference.

We request the PB&Z Committee consider these amendments and per the attached schedule, SMC staff will be planning to bring these back to PB&Z for an approval request in October.

Please contact us with any questions on this issue. Thank you.

Lake County
WDO Amendments **DRAFT** Anticipated Schedule

2015/2016 WDO Adoption Process - FEMA Map Changes	Date	Comment
FEMA Issuance of Letters of Determination	8/17/2015	Communities required to adopt new FEMA maps within six months (2/17/2016)
Planning Building & Zoning (PB&Z) Meeting	9/1/2015	PBZ Agenda: WDO Amendment Introduction
Stormwater Management Commission (SMC) Meeting	9/3/2015	SMC Agenda: Approval of Appendix C and IWLC Definition Amendment
Planning Building & Zoning (PB&Z) Meeting	10/6/2015	PBZ Agenda: WDO Amendment approvals
County Board - Committee of the Whole	10/9/2015	Discussion of pertinent items/issues
County Board WDO 2015 Adoption	10/13/2015	County Board Agenda: Final WDO Amendment approvals
Final Ordinance Packet Mailout by SMC	10/16/2015	Community Adoption Procedures in progress October through February 2016

EXHIBIT A

Administrative WDO Re-formatting

[See enclosed excerpt: Table of Contents]

Purpose: Under direction by the State's Attorney's Office, the WDO has been re-formatted. An improved referencing system is used and certain sections have been re-located and aligned making the entire document more user friendly, understandable, which can be quickly and logically referenced (for legal and general application). No substantive changes are included in the re-formatted WDO.

TAC VOTE: 11/20/2014: 11-0-0

Administrative WDO Amendment #1 Page 82 – Article V.B.

B. APPEALS

1. Any permit applicant aggrieved by the denial or conditions of a Watershed Development Permit, Earth Change Approval, Conditional Approval, or Variance by a Certified Community's Enforcement Officer may request review thereof by the Certified Community's board of elected officials or the appropriate body within 30 days of the disputed act or actions.
2. Any permit applicant aggrieved by **a permit decision**, the denial or conditions of a Watershed Development Permit, Earth Change Approval, Conditional Approval, or Variance by the SMC Chief Engineer may request review thereof by the SMC Director within 30 days of the disputed act or actions.
3. Any permit applicant aggrieved by **a permit decision**, the denial or conditions of a Watershed Development Permit, Earth Change Approval, Conditional Approval, or Variance by the SMC Director may appeal it to the SMC by written notice filed with the SMC Director within 30 days of the disputed act or actions.

Purpose: Clarify standard administrative process for SMC-reviewed permits and approvals.

TAC VOTE: 10/16/2014: 11-0-0

Administrative WDO Amendment #2 Page 87 – Article VII.F.

- (i) F. The SMC may enforce violations of this Ordinance in accordance with the Lake County Administrative Adjudication Ordinance.*

Purpose: Improve compliance efficiencies using the Administrative Adjudication process as an additional compliance tool. Staff have conferred with the Lake County State's Attorney's Office and determined that an Ordinance amendment is necessary in order for SMC to use the process.

TAC VOTE: 11/20/2014: 9-0-2

WDO Amendment #3 Page 99 - Appendix A: Definitions

Isolated Waters of Lake County: All waters such as lakes, ponds, streams (including intermittent streams), farmed wetlands, and wetlands that are not under U.S. Army Corps of Engineers jurisdiction. The limits of the Isolated Waters of Lake County extend to the ordinary high water mark or the delineated wetland boundary.

EXHIBIT A

- a. The following are excluded from Isolated Waters of Lake County, **as determined by the Enforcement Officer**:
- (1) Excavations and impoundments that have received a permit from the appropriate jurisdictional authority.
 - (2) Excavations and impoundments permitted by right, prior to being a regulated activity, within 40% or more non-hydric soils. Areas designated as 'water' as depicted on the Soil Survey of Lake County, SCS, 1970 are determined as either hydric or non-hydric soils by connecting adjoining soil boundaries to create complete polygons of the depicted soil type.
 - (3) Wetlands created incidental to construction grading on development sites. ~~that have received a Watershed Development Permit or meet the criteria of Article IV.A.2.a~~
 - (4) Roadside ditches.
- b. The following shall not be considered as meeting the exclusion criteria in a. above:
- (1) All areas meeting the definition of high-quality aquatic resources.
 - (2) Wetland mitigation areas created to meet the requirements of this Ordinance or Section 404 of the Clean Water Act.
 - (3) Wetland areas created or restored using public funds.

Purpose: Per legal review, clarify determination is made by EO. For a.(3) record retention policies vary among units of government and documents are not always kept, available, or easily obtained. EO has discretion to make a determination that the wetland was "created" due to construction grading on a development site.

TAC VOTE: 6/10/15: 4-2-2

FEMA/NFIP Map Updates

WDO Amendment #4

Pages 108-116 – Appendix C: FEMA Flood Insurance Study Maps and Profiles

(SEE ATTACHED APPENDIX C)

Purpose: Modify FEMA map effective dates and panel numbers.

TAC VOTE:

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FEMA FLOOD INSURANCE STUDY MAPS AND PROFILES

COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ANTIOCH	170358#	September 18, 2013	17097C0010 K	February 17, 2016
		September 18, 2013	17097C0026 K	February 17, 2016
		September 18, 2013	17097C0027 K	February 17, 2016
		September 18, 2013	17097C0028 K	February 17, 2016
		September 18, 2013	17097C0029 K	February 17, 2016
		September 18, 2013	17097C0032 K	February 17, 2016
		September 18, 2013	17097C0034 K	February 17, 2016
		September 18, 2013	17097C0035 K	February 17, 2016
		September 18, 2013	17097C0055 K	February 17, 2016
BANNOCKBURN	170359#	September 18, 2013	17097C0259 K	February 17, 2016
		September 18, 2013	17097C0267 K	February 17, 2016
		September 18, 2013	17097C0278 K	February 17, 2016
		September 18, 2013	17097C0286 K	February 17, 2016
BARRINGTON HILLS	170058#	September 18, 2013	17097C0215 K	February 17, 2016
		September 18, 2013	17097C0216 K	February 17, 2016
		September 18, 2013	17097C0217 K	February 17, 2016
BARRINGTON	170057#	September 18, 2013	17097C0219 K	February 17, 2016
		September 18, 2013	17097C0216 K	February 17, 2016
		September 18, 2013	17097C0217 K	February 17, 2016
		September 18, 2013	17097C0219 K	February 17, 2016
		September 18, 2013	17097C0236 K	February 17, 2016
BEACH PARK	171022#	September 18, 2013	17097C0059 K	February 17, 2016
		September 18, 2013	17097C0067 K	February 17, 2016
		September 18, 2013	17097C0069 K	February 17, 2016
		September 18, 2013	17097C0078 K	February 17, 2016
		September 18, 2013	17097C0086 K	February 17, 2016
		September 18, 2013	17097C0087 K	February 17, 2016
		September 18, 2013	17097C0088 K	February 17, 2016
		September 18, 2013	17097C0089 K	February 17, 2016
		September 18, 2013	17097C0253 K	February 17, 2016
BUFFALO GROVE	170068#	September 18, 2013	17097C0254 K	February 17, 2016
		September 18, 2013	17097C0261 K	February 17, 2016
		September 18, 2013	17097C0262 K	February 17, 2016
		September 18, 2013	17097C0263 K	February 17, 2016
		September 18, 2013	17097C0264 K	February 17, 2016
		September 18, 2013	17097C0266 K	February 17, 2016
		September 18, 2013	17097C0270 K	February 17, 2016
		September 18, 2013	17097C0267 K	February 17, 2016
DEERFIELD	170361#	September 18, 2013	17097C0270 K	February 17, 2016
		September 18, 2013	17097C0278 K	February 17, 2016
		September 18, 2013	17097C0286 K	February 17, 2016
		September 18, 2013	17097C0287 K	February 17, 2016
		September 18, 2013	17097C0288 K	February 17, 2016
		September 18, 2013	17097C0289 K	February 17, 2016
		September 18, 2013	17097C0217 K	February 17, 2016
		September 18, 2013	17097C0236 K	February 17, 2016
DEER PARK	171028#	September 18, 2013	17097C0237 K	February 17, 2016
		September 18, 2013	17097C0238 K	February 17, 2016
		September 18, 2013	17097C0241 K	February 17, 2016
FOX LAKE	170362#	September 18, 2013	17097C0004 K	February 17, 2016
		September 18, 2013	17097C0010 K	February 17, 2016
		September 18, 2013	17097C0012 K	February 17, 2016
		September 18, 2013	17097C0014 K	February 17, 2016
		September 18, 2013	17097C0019 K	February 17, 2016
		September 18, 2013	17097C0020 K	February 17, 2016
		September 18, 2013	17097C0106 K	February 17, 2016
February 17, 2016	17097C0107 L	February 17, 2016		
FOX RIVER GROVE	170477#	September 18, 2013	10797C0205 K	February 17, 2016
GRAYSLAKE	170363#	September 18, 2013	17097C0043 K	February 17, 2016
		September 18, 2013	17097C0044 K	February 17, 2016
		February 17, 2016	17097C0129 L	February 17, 2016
		February 17, 2016	17097C0131 L	February 17, 2016
		September 18, 2013	17097C0132 K	February 17, 2016
		February 17, 2016	17097C0133 L	February 17, 2016
		September 18, 2013	17097C0134 K	February 17, 2016
		February 17, 2016	17097C0137 L	February 17, 2016
		February 17, 2016	17097C0141 L	February 17, 2016
		September 18, 2013	17097C0142 K	February 17, 2016
September 18, 2013	17097C0151 K	February 17, 2016		

APPENDIX C

FEMA FLOOD INSURANCE STUDY MAPS AND PROFILES

COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ANTIOCH	170358#	September 18, 2013	17097C0010 K	February 17, 2016
		September 18, 2013	17097C0026 K	February 17, 2016
		September 18, 2013	17097C0153 K	February 17, 2016
GREEN OAKS	170364#	September 18, 2013	17097C0158 K	February 17, 2016
		September 18, 2013	17097C0159 K	February 17, 2016
		September 18, 2013	17097C0166 K	February 17, 2016
		September 18, 2013	17097C0167 K	February 17, 2016
		September 18, 2013	17097C0168 K	February 17, 2016
		September 18, 2013	17097C0169 K	February 17, 2016
GURNEE	170365#	September 18, 2013	17097C0044 K	February 17, 2016
		September 18, 2013	17097C0063 K	February 17, 2016
		September 18, 2013	17097C0064 K	February 17, 2016
		September 18, 2013	17097C0068 K	February 17, 2016
		September 18, 2013	17097C0069 K	February 17, 2016
		September 18, 2013	17097C0132 K	February 17, 2016
		September 18, 2013	17097C0151 K	February 17, 2016
		September 18, 2013	17097C0152 K	February 17, 2016
		September 18, 2013	17097C0153 K	February 17, 2016
		September 18, 2013	17097C0154 K	February 17, 2016
		September 18, 2013	17097C0156 K	February 17, 2016
		September 18, 2013	17097C0157 K	February 17, 2016
		HAINESVILLE	171005#	February 17, 2016
February 17, 2016	17097C0129 L			February 17, 2016
February 17, 2016	17097C0131 L			February 17, 2016
February 17, 2016	17097C0133 L			February 17, 2016
HAWTHORN WOODS	170366#	February 17, 2016	17097C0139 L	February 17, 2016
		February 17, 2016	17097C0143 L	February 17, 2016
		September 18, 2013	17097C0226 K	February 17, 2016
		February 17, 2016	17097C0227 L	February 17, 2016
		September 18, 2013	17097C0228 K	February 17, 2016
HAWTHORN WOODS	170366#	September 18, 2013	17097C0229 K	February 17, 2016
		September 18, 2013	17097C0231 K	February 17, 2016
		September 18, 2013	17097C0232 K	February 17, 2016
		September 18, 2013	17097C0233 K	February 17, 2016
HIGHLAND PARK	170367#	September 18, 2013	17097C0234 K	February 17, 2016
		September 18, 2013	17097C0277 K	February 17, 2016
		September 18, 2013	17097C0278 K	February 17, 2016
		September 18, 2013	17097C0279 K	February 17, 2016
		September 18, 2013	17097C0283 K	February 17, 2016
		September 18, 2013	17097C0285 K	February 17, 2016
		September 18, 2013	17097C0286 K	February 17, 2016
		September 18, 2013	17097C0287 K	February 17, 2016
		September 18, 2013	17097C0289 K	February 17, 2016
		September 18, 2013	17097C0291 K	February 17, 2016
		September 18, 2013	17097C0293 K	February 17, 2016
		September 18, 2013	17097C0295 K	February 17, 2016
		September 18, 2013	17097C0297 K	February 17, 2016
HIGHWOOD	171033#	September 18, 2013	17097C0283 K	February 17, 2016
INDIAN CREEK	170369#	September 18, 2013	17097C0251 K	February 17, 2016
ISLAND LAKE	170370#	September 18, 2013	17097C0112 K	February 17, 2016
		September 18, 2013	17097C0114 K	February 17, 2016
		September 18, 2013	17097C0116 K	February 17, 2016
KILDEER	170371#	September 18, 2013	17097C0118 K	February 17, 2016
		September 18, 2013	17097C0233 K	February 17, 2016
		September 18, 2013	17097C0234 K	February 17, 2016
		September 18, 2013	17097C0237 K	February 17, 2016
		September 18, 2013	17097C0241 K	February 17, 2016
LAKE BARRINGTON	170372#	September 18, 2013	17097C0118 K	February 17, 2016
		September 18, 2013	17097C0205 K	February 17, 2016
		September 18, 2013	17097C0206 K	February 17, 2016
		September 18, 2013	17097C0207 K	February 17, 2016
		September 18, 2013	17097C0208 K	February 17, 2016
		September 18, 2013	17097C0209 K	February 17, 2016
		September 18, 2013	17097C0215 K	February 17, 2016
		September 18, 2013	17097C0216 K	February 17, 2016
LAKE BLUFF	170373#	September 18, 2013	17097C0167 K	February 17, 2016
		September 18, 2013	17097C0169 K	February 17, 2016
		September 18, 2013	17097C0186 K	February 17, 2016
		September 18, 2013	17097C0188 K	February 17, 2016
		September 18, 2013	17097C0190 K	February 17, 2016

APPENDIX C

FEMA FLOOD INSURANCE STUDY MAPS AND PROFILES

COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ANTIOCH	170358#	September 18, 2013	17097C0010 K	February 17, 2016
		September 18, 2013	17097C0026 K	February 17, 2016
LAKE COUNTY UNINCORPORATED AREAS	170357#	DFIRM PANEL NUMBERS LISTED SEPARATELY AT END OF APPENDIX		
LAKE FOREST	170374#	September 18, 2013	17097C0169 K	February 17, 2016
		September 18, 2013	17097C0188 K	February 17, 2016
		September 18, 2013	17097C0190 K	February 17, 2016
		September 18, 2013	17097C0257 K	February 17, 2016
		September 18, 2013	17097C0259 K	February 17, 2016
		September 18, 2013	17097C0276 K	February 17, 2016
		September 18, 2013	17097C0277 K	February 17, 2016
		September 18, 2013	17097C0278 K	February 17, 2016
		September 18, 2013	17097C0279 K	February 17, 2016
		September 18, 2013	17097C0285 K	February 17, 2016
LAKE VILLA	170375#	September 18, 2013	17097C0028 K	February 17, 2016
		September 18, 2013	17097C0029 K	February 17, 2016
		September 18, 2013	17097C0035 K	February 17, 2016
		September 18, 2013	17097C0036 K	February 17, 2016
		September 18, 2013	17097C0037 K	February 17, 2016
		September 18, 2013	17097C0038 K	February 17, 2016
		September 18, 2013	17097C0039 K	February 17, 2016
		September 18, 2013	17097C0041 K	February 17, 2016
		September 18, 2013	17097C0043 K	February 17, 2016
LAKE ZURICH	170376#	February 17, 2016	17097C0227 L	February 17, 2016
		September 18, 2013	17097C0228 K	February 17, 2016
		September 18, 2013	17097C0229 K	February 17, 2016
		September 18, 2013	17097C0233 K	February 17, 2016
		September 18, 2013	17097C0236 K	February 17, 2016
		September 18, 2013	17097C0237 K	February 17, 2016
		September 18, 2013	17097C0241 K	February 17, 2016
LAKEMOOR	170915#	September 18, 2013	17097C0102 K	February 17, 2016
		September 18, 2013	17097C0104 K	February 17, 2016
		September 18, 2013	17097C0106 K	February 17, 2016
		September 18, 2013	17097C0108 K	February 17, 2016
LIBERTYVILLE	170377#	September 18, 2013	17097C0134 K	February 17, 2016
		September 18, 2013	17097C0142 K	February 17, 2016
		September 18, 2013	17097C0161 K	February 17, 2016
		September 18, 2013	17097C0162 K	February 17, 2016
		September 18, 2013	17097C0163 K	February 17, 2016
		September 18, 2013	17097C0164 K	February 17, 2016
		September 18, 2013	17097C0166 K	February 17, 2016
		September 18, 2013	17097C0168 K	February 17, 2016
		September 18, 2013	17097C0252 K	February 17, 2016
LINCOLNSHIRE	170378#	September 18, 2013	17097C0254 K	February 17, 2016
		September 18, 2013	17097C0257 K	February 17, 2016
		September 18, 2013	17097C0258 K	February 17, 2016
		September 18, 2013	17097C0259 K	February 17, 2016
		September 18, 2013	17097C0262 K	February 17, 2016
		September 18, 2013	17097C0266 K	February 17, 2016
		September 18, 2013	17097C0267 K	February 17, 2016
LINDENHURST	170379#	September 18, 2013	17097C0035 K	February 17, 2016
		September 18, 2013	17097C0041 K	February 17, 2016
		September 18, 2013	17097C0042 K	February 17, 2016
		September 18, 2013	17097C0044 K	February 17, 2016
LONG GROVE	170380#	September 18, 2013	17097C0144 K	February 17, 2016
		September 18, 2013	17097C0231 K	February 17, 2016
		September 18, 2013	17097C0232 K	February 17, 2016
		September 18, 2013	17097C0233 K	February 17, 2016
		September 18, 2013	17097C0234 K	February 17, 2016
		September 18, 2013	17097C0241 K	February 17, 2016
		September 18, 2013	17097C0242 K	February 17, 2016
		September 18, 2013	17097C0251 K	February 17, 2016
		September 18, 2013	17097C0253 K	February 17, 2016
		September 18, 2013	17097C0254 K	February 17, 2016
		September 18, 2013	17097C0261 K	February 17, 2016
LONG GROVE	170380#	September 18, 2013	17097C0263 K	February 17, 2016
METTAWA	170381#	September 18, 2013	17097C0164 K	February 17, 2016
		September 18, 2013	17097C0168 K	February 17, 2016
		September 18, 2013	17097C0169 K	February 17, 2016
		September 18, 2013	17097C0252 K	February 17, 2016
		September 18, 2013	17097C0256 K	February 17, 2016

APPENDIX C

FEMA FLOOD INSURANCE STUDY MAPS AND PROFILES

COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ANTIOCH	170358#	September 18, 2013	17097C0010 K	February 17, 2016
		September 18, 2013	17097C0026 K	February 17, 2016
		September 18, 2013	17097C0257 K	February 17, 2016
MUNDELEIN	170382#	February 17, 2016	17097C0139 L	February 17, 2016
		February 17, 2016	17097C0141 L	February 17, 2016
		September 18, 2013	17097C0142 K	February 17, 2016
		February 17, 2016	17097C0143 L	February 17, 2016
		September 18, 2013	17097C0144 K	February 17, 2016
		September 18, 2013	17097C0161 K	February 17, 2016
		September 18, 2013	17097C0163 K	February 17, 2016
		September 18, 2013	17097C0164 K	February 17, 2016
		September 18, 2013	17097C0232 K	February 17, 2016
NORTH BARRINGTON	170383#	September 18, 2013	17097C0207 K	February 17, 2016
		September 18, 2013	17097C0208 K	February 17, 2016
		September 18, 2013	17097C0209 K	February 17, 2016
		September 18, 2013	17097C0217 K	February 17, 2016
		September 18, 2013	17097C0226 K	February 17, 2016
		September 18, 2013	17097C0228 K	February 17, 2016
		September 18, 2013	17097C0236 K	February 17, 2016
NORTH CHICAGO	170384#	September 18, 2013	17097C0159 K	February 17, 2016
		September 18, 2013	17097C0167 K	February 17, 2016
		September 18, 2013	17097C0180 K	February 17, 2016
		September 18, 2013	17097C0186 K	February 17, 2016
		September 18, 2013	17097C0190 K	February 17, 2016
OLD MILL CREEK	170385#	September 18, 2013	17097C0034 K	February 17, 2016
		September 18, 2013	17097C0042 K	February 17, 2016
		September 18, 2013	17097C0044 K	February 17, 2016
		September 18, 2013	17097C0055 K	February 17, 2016
		September 18, 2013	17097C0061 K	February 17, 2016
		September 18, 2013	17097C0062 K	February 17, 2016
		September 18, 2013	17097C0063 K	February 17, 2016
		September 18, 2013	17097C0064 K	February 17, 2016
PARK CITY	170386#	September 18, 2013	17097C0156 K	February 17, 2016
		September 18, 2013	17097C0157 K	February 17, 2016
		September 18, 2013	17097C0159 K	February 17, 2016
PORT BARRINGTON	170478#	September 18, 2013	17097C0114 K	February 17, 2016
		September 18, 2013	17097C0118 K	February 17, 2016
		September 18, 2013	17097C0205 K	February 17, 2016
		September 18, 2013	17097C0206 K	February 17, 2016
RIVERWOODS	170387#	September 18, 2013	17097C0259 K	February 17, 2016
		September 18, 2013	17097C0266 K	February 17, 2016
		September 18, 2013	17097C0267 K	February 17, 2016
		September 18, 2013	17097C0270 K	February 17, 2016
		September 18, 2013	17097C0286 K	February 17, 2016
		September 18, 2013	17097C0038 K	February 17, 2016
ROUND LAKE BEACH	170389#	September 18, 2013	17097C0039 K	February 17, 2016
		September 18, 2013	17097C0043 K	February 17, 2016
ROUND LAKE BEACH	170389#	February 17, 2016	17097C0126 L	February 17, 2016
		February 17, 2016	17097C0127 L	February 17, 2016
		February 17, 2016	17097C0131 L	February 17, 2016
		September 18, 2013	17097C0038 K	February 17, 2016
ROUND LAKE HEIGHTS	170390#	September 18, 2013	17097C0038 K	February 17, 2016
ROUND LAKE PARK	170391#	February 17, 2016	17097C0127 L	February 17, 2016
		February 17, 2016	17097C0129 L	February 17, 2016
		February 17, 2016	17097C0133 L	February 17, 2016
		February 17, 2016	17097C0137 L	February 17, 2016
		February 17, 2016	17097C0141 L	February 17, 2016
ROUND LAKE	170388#	February 17, 2016	17097C0107 L	February 17, 2016
		February 17, 2016	17097C0109 L	February 17, 2016
		February 17, 2016	17097C0126 L	February 17, 2016
		February 17, 2016	17097C0127 L	February 17, 2016
		February 17, 2016	17097C0128 L	February 17, 2016
		February 17, 2016	17097C0129 L	February 17, 2016
		February 17, 2016	17097C0136 L	February 17, 2016
		February 17, 2016	17097C0137 L	February 17, 2016
		September 18, 2013	17097C0043 K	February 17, 2016
THIRD LAKE	170392#	September 18, 2013	17097C0044 K	February 17, 2016
		September 18, 2013	17097C0132 K	February 17, 2016
		September 18, 2013	17097C0151 K	February 17, 2016
		September 18, 2013	17097C0206 K	February 17, 2016
		September 18, 2013	17097C0206 K	February 17, 2016
TOWER LAKES	170393#	September 18, 2013	17097C0206 K	February 17, 2016

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FEMA FLOOD INSURANCE STUDY MAPS AND PROFILES

COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ANTIOCH	170358#	September 18, 2013	17097C0010 K	February 17, 2016
		September 18, 2013	17097C0026 K	February 17, 2016
		September 18, 2013	17097C0207 K	February 17, 2016
VERNON HILLS	170394#	September 18, 2013	17097C0163 K	February 17, 2016
		September 18, 2013	17097C0164 K	February 17, 2016
		September 18, 2013	17097C0251 K	February 17, 2016
		September 18, 2013	17097C0252 K	February 17, 2016
		September 18, 2013	17097C0253 K	February 17, 2016
		September 18, 2013	17097C0254 K	February 17, 2016
		September 18, 2013	17097C0256 K	February 17, 2016
VOLO	171042#	September 18, 2013	17097C0106 K	February 17, 2016
		February 17, 2016	17097C0107 L	February 17, 2016
		September 18, 2013	17097C0108 K	February 17, 2016
		February 17, 2016	17097C0109 L	February 17, 2016
		September 18, 2013	17097C0116 K	February 17, 2016
		February 17, 2016	17097C0117 L	February 17, 2016
		September 18, 2013	17097C0055 K	February 17, 2016
WADSWORTH	170395#	September 18, 2013	17097C0056 K	February 17, 2016
		September 18, 2013	17097C0057 K	February 17, 2016
		September 18, 2013	17097C0058 K	February 17, 2016
		September 18, 2013	17097C0059 K	February 17, 2016
		September 18, 2013	17097C0062 K	February 17, 2016
		September 18, 2013	17097C0064 K	February 17, 2016
		September 18, 2013	17097C0066 K	February 17, 2016
		September 18, 2013	17097C0067 K	February 17, 2016
		September 18, 2013	17097C0068 K	February 17, 2016
		September 18, 2013	17097C0116 K	February 17, 2016
WAUCONDA	170396#	February 17, 2016	17097C0117 L	February 17, 2016
		September 18, 2013	17097C0118 K	February 17, 2016
		September 18, 2013	17097C0119 K	February 17, 2016
WAUCONDA	170396#	February 17, 2016	17097C0136 L	February 17, 2016
		February 17, 2016	17097C0138 L	February 17, 2016
		September 18, 2013	17097C0206 K	February 17, 2016
		September 18, 2013	17097C0207 K	February 17, 2016
WAUKEGAN	170397#	September 18, 2013	17097C0066 K	February 17, 2016
		September 18, 2013	17097C0067 K	February 17, 2016
		September 18, 2013	17097C0068 K	February 17, 2016
		September 18, 2013	17097C0069 K	February 17, 2016
		September 18, 2013	17097C0086 K	February 17, 2016
		September 18, 2013	17097C0087 K	February 17, 2016
		September 18, 2013	17097C0088 K	February 17, 2016
		September 18, 2013	17097C0089 K	February 17, 2016
		September 18, 2013	17097C0095 K	February 17, 2016
		September 18, 2013	17097C0154 K	February 17, 2016
		September 18, 2013	17097C0156 K	February 17, 2016
		September 18, 2013	17097C0157 K	February 17, 2016
		September 18, 2013	17097C0158 K	February 17, 2016
		September 18, 2013	17097C0159 K	February 17, 2016
		September 18, 2013	17097C0166 K	February 17, 2016
		September 18, 2013	17097C0177 K	February 17, 2016
		September 18, 2013	17097C0180 K	February 17, 2016
WHEELING	170173#	September 18, 2013	17097C0185 K	February 17, 2016
		September 18, 2013	17097C0264 K	February 17, 2016
		September 18, 2013	17097C0270 K	February 17, 2016
WINTHROP HARBOR	170398#	September 18, 2013	17097C0076 K	February 17, 2016
		September 18, 2013	17097C0077 K	February 17, 2016
		September 18, 2013	17097C0078 K	February 17, 2016
		September 18, 2013	17097C0079 K	February 17, 2016
		September 18, 2013	17097C0081 K	February 17, 2016
ZION	170399#	September 18, 2013	17097C0057 K	February 17, 2016
		September 18, 2013	17097C0059 K	February 17, 2016
		September 18, 2013	17097C0076 K	February 17, 2016
		September 18, 2013	17097C0077 K	February 17, 2016
		September 18, 2013	17097C0078 K	February 17, 2016
		September 18, 2013	17097C0079 K	February 17, 2016
		September 18, 2013	17097C0081 K	February 17, 2016
		September 18, 2013	17097C0085 K	February 17, 2016
		September 18, 2013	17097C0086 K	February 17, 2016
		September 18, 2013	17097C0087 K	February 17, 2016

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FEMA FLOOD INSURANCE STUDY MAPS AND PROFILES

COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ANTIOCH	170358#	September 18, 2013	17097C0010 K	February 17, 2016
		September 18, 2013	17097C0026 K	February 17, 2016
LAKE COUNTY UNINCORPORATED AREAS	170357#	September 18, 2013	17097C0004 K	February 17, 2016
		September 18, 2013	17097C0010 K	February 17, 2016
		September 18, 2013	17097C0012 K	February 17, 2016
		September 18, 2013	17097C0014 K	February 17, 2016
		September 18, 2013	17097C0019 K	February 17, 2016
		September 18, 2013	17097C0020 K	February 17, 2016
		September 18, 2013	17097C0026 K	February 17, 2016
		September 18, 2013	17097C0027 K	February 17, 2016
		September 18, 2013	17097C0028 K	February 17, 2016
		September 18, 2013	17097C0029 K	February 17, 2016
LAKE COUNTY UNINCORPORATED AREAS	170357#	September 18, 2013	17097C0032 K	February 17, 2016
		September 18, 2013	17097C0034 K	February 17, 2016
		September 18, 2013	17097C0035 K	February 17, 2016
		September 18, 2013	17097C0036 K	February 17, 2016
		September 18, 2013	17097C0037 K	February 17, 2016
		September 18, 2013	17097C0038 K	February 17, 2016
		September 18, 2013	17097C0039 K	February 17, 2016
		September 18, 2013	17097C0041 K	February 17, 2016
		September 18, 2013	17097C0042 K	February 17, 2016
		September 18, 2013	17097C0043 K	February 17, 2016
		September 18, 2013	17097C0044 K	February 17, 2016
		September 18, 2013	17097C0055 K	February 17, 2016
		September 18, 2013	17097C0056 K	February 17, 2016
		September 18, 2013	17097C0057 K	February 17, 2016
		September 18, 2013	17097C0058 K	February 17, 2016
		September 18, 2013	17097C0059 K	February 17, 2016
		September 18, 2013	17097C0061 K	February 17, 2016
		September 18, 2013	17097C0062 K	February 17, 2016
		September 18, 2013	17097C0063 K	February 17, 2016
		September 18, 2013	17097C0064 K	February 17, 2016
		September 18, 2013	17097C0066 K	February 17, 2016
		September 18, 2013	17097C0067 K	February 17, 2016
		September 18, 2013	17097C0068 K	February 17, 2016
		September 18, 2013	17097C0069 K	February 17, 2016
		September 18, 2013	17097C0076 K	February 17, 2016
		September 18, 2013	17097C0077 K	February 17, 2016
		September 18, 2013	17097C0078 K	February 17, 2016
		September 18, 2013	17097C0079 K	February 17, 2016
		September 18, 2013	17097C0081 K	February 17, 2016
		September 18, 2013	17097C0085 K	February 17, 2016
		September 18, 2013	17097C0086 K	February 17, 2016
		September 18, 2013	17097C0087 K	February 17, 2016
		September 18, 2013	17097C0088 K	February 17, 2016
		September 18, 2013	17097C0089 K	February 17, 2016
		September 18, 2013	17097C0095 K	February 17, 2016
		September 18, 2013	17097C0102 K	February 17, 2016
		September 18, 2013	17097C0104 K	February 17, 2016
		September 18, 2013	17097C0106 K	February 17, 2016
		February 17, 2016	17097C0107 L	February 17, 2016
		September 18, 2013	17097C0108 K	February 17, 2016
		February 17, 2016	17097C0109 L	February 17, 2016
		September 18, 2013	17097C0112 K	February 17, 2016
		September 18, 2013	17097C0114 K	February 17, 2016
		September 18, 2013	17097C0116 K	February 17, 2016
		February 17, 2016	17097C0117 L	February 17, 2016
		September 18, 2013	17097C0118 K	February 17, 2016
		September 18, 2013	17097C0119 K	February 17, 2016
		February 17, 2016	17097C0126 L	February 17, 2016
LAKE COUNTY UNINCORPORATED AREAS	170357#	February 17, 2016	17097C0127 L	February 17, 2016
		February 17, 2016	17097C0128 L	February 17, 2016
		February 17, 2016	17097C0129 L	February 17, 2016
		February 17, 2016	17097C0131 L	February 17, 2016
		September 18, 2013	17097C0132 K	February 17, 2016
		February 17, 2016	17097C0133 L	February 17, 2016

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FEMA FLOOD INSURANCE STUDY MAPS AND PROFILES

COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ANTIOCH	170358#	September 18, 2013	17097C0010 K	February 17, 2016
		September 18, 2013	17097C0026 K	February 17, 2016
		September 18, 2013	17097C0134 K	February 17, 2016
		February 17, 2016	17097C0136 L	February 17, 2016
		February 17, 2016	17097C0137 L	February 17, 2016
		February 17, 2016	17097C0138 L	February 17, 2016
		February 17, 2016	17097C0139 L	February 17, 2016
		February 17, 2016	17097C0141 L	February 17, 2016
		September 18, 2013	17097C0142 K	February 17, 2016
		February 17, 2016	17097C0143 L	February 17, 2016
		September 18, 2013	17097C0144 K	February 17, 2016
		September 18, 2013	17097C0151 K	February 17, 2016
		September 18, 2013	17097C0152 K	February 17, 2016
		September 18, 2013	17097C0153 K	February 17, 2016
		September 18, 2013	17097C0154 K	February 17, 2016
		September 18, 2013	17097C0156 K	February 17, 2016
		September 18, 2013	17097C0157 K	February 17, 2016
		September 18, 2013	17097C0158 K	February 17, 2016
		September 18, 2013	17097C0159 K	February 17, 2016
		September 18, 2013	17097C0161 K	February 17, 2016
		September 18, 2013	17097C0162 K	February 17, 2016
		September 18, 2013	17097C0163 K	February 17, 2016
		September 18, 2013	17097C0164 K	February 17, 2016
		September 18, 2013	17097C0166 K	February 17, 2016
		September 18, 2013	17097C0167 K	February 17, 2016
		September 18, 2013	17097C0168 K	February 17, 2016
		September 18, 2013	17097C0169 K	February 17, 2016
		September 18, 2013	17097C0177 K	February 17, 2016
		September 18, 2013	17097C0180 K	February 17, 2016
		September 18, 2013	17097C0185 K	February 17, 2016
		September 18, 2013	17097C0186 K	February 17, 2016
		September 18, 2013	17097C0188 K	February 17, 2016
		September 18, 2013	17097C0190 K	February 17, 2016
		September 18, 2013	17097C0205 K	February 17, 2016
		September 18, 2013	17097C0206 K	February 17, 2016
		September 18, 2013	17097C0207 K	February 17, 2016
		September 18, 2013	17097C0208 K	February 17, 2016
		September 18, 2013	17097C0209 K	February 17, 2016
		September 18, 2013	17097C0215 K	February 17, 2016
		September 18, 2013	17097C0216 K	February 17, 2016
September 18, 2013	17097C0217 K	February 17, 2016		
September 18, 2013	17097C0226 K	February 17, 2016		
February 17, 2016	17097C0227 L	February 17, 2016		
September 18, 2013	17097C0228 K	February 17, 2016		
LAKE COUNTY UNINCORPORATED AREAS	170357#	September 18, 2013	17097C0229 K	February 17, 2016
		September 18, 2013	17097C0231 K	February 17, 2016
		September 18, 2013	17097C0232 K	February 17, 2016
		September 18, 2013	17097C0233 K	February 17, 2016
		September 18, 2013	17097C0234 K	February 17, 2016
		September 18, 2013	17097C0236 K	February 17, 2016
		September 18, 2013	17097C0237 K	February 17, 2016
		September 18, 2013	17097C0241 K	February 17, 2016
		September 18, 2013	17097C0242 K	February 17, 2016
		September 18, 2013	17097C0251 K	February 17, 2016
		September 18, 2013	17097C0252 K	February 17, 2016
		September 18, 2013	17097C0253 K	February 17, 2016
		September 18, 2013	17097C0254 K	February 17, 2016
September 18, 2013	17097C0256 K	February 17, 2016		