

ENROLLED ORDINANCE 168-68

REPEAL AND RECREATE TABLE 6(b)1.B.i. AND TABLE 6(b)1.B.ii. OF THE WAUKESHA COUNTY SHORELAND AND FLOODLAND PROTECTION ORDINANCE TO INCORPORATE NEW OFFICIAL FEMA FLOODPLAIN MAPS AND DNR FLOODPLAIN STORAGE MAPS, BY REFERENCE (SZ-1763A)

WHEREAS, the Waukesha County Board of Supervisors enacted the Waukesha County Shoreland and Floodland Protection Ordinance on June 23, 1970, and

WHEREAS, the Waukesha County Board of Supervisors may make amendments to such Ordinance pursuant to Section 59.692, Wisconsin Statutes, and

WHEREAS, the subject matter of this Ordinance having been duly referred to and considered by the Waukesha County Park and Planning Commission, after Public Hearing, and the giving of requisite notice of said hearing and the recommendation thereon reported to the Land Use, Parks and Environment Committee and the Waukesha County Board of Supervisors, Waukesha County, Wisconsin, as required by Section 59.692 of the Wisconsin State Statutes, and

WHEREAS, the Federal Emergency Management Agency (FEMA) has finalized new floodplain mapping and studies for Waukesha County and has advised Waukesha County that the new floodplain mapping and studies must be incorporated into the County Floodplain Zoning Ordinances, subject to the final approval of FEMA and the Wisconsin Department of Natural Resources by no later than February 19, 2014 in order to maintain continued eligibility in the National Flood Insurance Program, and

WHEREAS a text amendment relative to Table 6(b)1.B.ii., No. 4, of the Waukesha County Shoreland and Floodland Protection Ordinance to adopt a dam failure analysis for the Mukwonago Dam was approved by the Waukesha County Board of Supervisors on November 26, 2013.

THE COUNTY BOARD OF SUPERVISORS OF THE COUNTY OF WAUKESHA ORDAINS that Table 6(b)1.B.i. of the Waukesha County Shoreland and Floodland Protection Ordinance is repealed and recreated to read as follows:

32

**Table 6(b)1.B.i.
Official Maps (Based on the FIS)**

Waukesha County Flood Insurance Rate Map (FIRM), panel numbers 55133C0016F, 55133C0017F, 55133C0018F, 55133C0019F, 55133C0029F, 55133C0033F, 55133C0034F, 55133C0036F, 55133C0037F, 55133C0038F, 55133C0039F, 55133C0041F, 55133C0042F, 55133C0043F, 55133C0044F, 55133C0053F, 55133C0054F, 55133C0061F, 55133C0063F, 55133C0083F, 55133C0088F, 55133C0089F, 55133C0091F, 55133C0093F, 55133C0131F, 55133C0132F, 55133C0151F, 55133C0152F, 55133C0156F, 55133C0168F, 55133C0169F, 55133C0181F, 55133C0182F, 55133C0183F, 55133C0186F, 55133C0187F, 55133C0188F, 55133C0189F, 55133C0191F, 55133C0193F, 55133C0194F, 55133C0201F, 55133C0202F, 55133C0206F, 55133C0207F, 55133C0208F, 55133C0214F, 55133C0216F, 55133C0217F, 55133C0218F, 55133C0219F, 55133C0259F, 55133C0270F, 55133C0285F, 55133C0290F, 55133C0291F, 55133C0292F, 55133C0293F, 55133C0294F, 55133C0301F, 55133C0302F,

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55133C0059G, 55133C0062G, 55133C0064G, 55133C0066G, 55133C0067G, 55133C0068G, 55133C0069G, 55133C0078G, 55133C0086G, 55133C0087G, 55133C0143G, 55133C0144G, 55133C0157G, 55133C0163G, 55133C0164G, 55133C0166G, 55133C0167G, 55133C0176G, 55133C0177G, 55133C0178G, 55133C0179G, 55133C0256G, 55133C0257G, 55133C0280G, dated February 19, 2014; with corresponding profiles that are based on the Flood Insurance Study (FIS) dated February 19, 2014, volume numbers 55133CV001B, 55133CV002B, and 55133CV003B.

Revisions to the Waukesha County Flood Insurance Rate Map (FIRM) Panel Numbers:

1. Brandy Brook –Downstream of Summit Avenue to approximately 5,000 ft. upstream: Annotated panel numbers 55133C0186F, 55133C0187F, 55133C0188F, and 55133C0189F, including the corresponding profiles that are based on the Flood Insurance Study (FIS) revised to reflect this LOMR, LOMR Case No. 08-05-4338P, effective date of revision: June 19, 2009.
2. Okauchee Lake –the southern end from the south shore to approximately 780 ft. north: Annotated panel number 55133C0156F with no revision to the Flood Insurance Study (FIS), LOMR Case No. 09-05-4061P, effective date of revision: September 28, 2009.

Approved by: The WDNR and FEMA

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BE IT FURTHER ORDAINED THAT Table 6(b)1.B.ii. of the Waukesha County Shoreland and Floodland Protection Ordinance is repealed and recreated to read as follows:

Table 6(b)1.B.ii.

List of Official Maps Based Upon Other Studies to be Used in Conjunction with the Waukesha County Shoreland and Floodland Protection Ordinance Zoning Maps is as follows:

1. Dam Failure Analysis and Emergency Action Plan for Wambold and Kroll Dams on Eagle Spring Lake, prepared by Graef, Anhalt, Schloemer & Associates, Inc., revised April 2002. Approved by the WDNR in April of 2002 and adopted by the Waukesha County Board on April 13, 2004.
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3. Dam Failure Analysis – Monterey Dam, prepared by Kunkel Engineering Group, LLC on September 2, 2011. Approved by the WDNR and adopted by the Waukesha County Board on December 18, 2012.
4. Dam Failure Analysis – Mukwonago Dam, prepared by Mead & Hunt, June 2012. Approved by the WDNR on July 11, 2012 and adopted by the Waukesha County Board on November, 26, 2013.
5. Waukesha County Flood Storage District Maps, Panels 2, 3, 5, 6, 7, and 8. Dated February 19, 2014. Prepared by the WDNR. Approved by the WDNR.

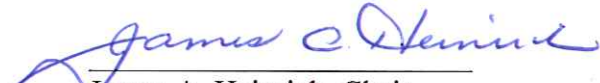
40 BE IT FURTHER ORDAINED THAT this Ordinance shall be effective upon approval and
41 publication.

42
43 BE IT FURTHER ORDAINED THAT any code section or part of a section in conflict with this
44 Ordinance is repealed and declared null and void and of no effect.

45
46 BE IT FURTHER ORDAINED THAT the Waukesha County Clerk shall file a certified copy of
47 this Ordinance with each of the eleven (11) Towns within Waukesha County.

REPEAL AND RECREATE TABLE 6(b)1.B.i. AND TABLE 6(b)1.B.ii. OF THE
WAUKESHA COUNTY SHORELAND AND FLOODLAND PROTECTION
ORDINANCE TO INCORPORATE NEW OFFICIAL FEMA FLOODPLAIN
MAPS AND DNR FLOODPLAIN STORAGE MAPS, BY REFERENCE (SZ-1763A)


Presented by:
Land Use, Parks, and Environment Committee



James A. Heinrich, Chair

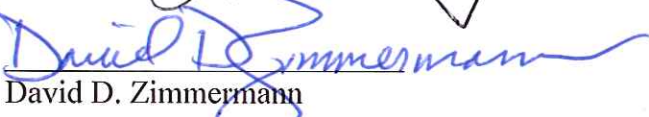

Jim Batzko


Walter Kolb


Pamela Meyer


Fritz Ruf


Thomas J. Schellinger


David D. Zimmermann

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, was presented to the County Executive on:

Date: 12/17/2013, 
Kathleen Novack, County Clerk

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, is hereby:


Approved: X
Vetoed: _____
Date: 12-19-13, 
Daniel P. Vrakas, County Executive

Table 6(b)1.B.ii.

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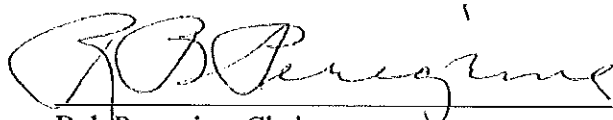
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47 this Ordinance with each of the eleven (11) Towns within Waukesha County.

COMMISSION ACTION

The Waukesha County Park and Planning Commission after giving consideration to the subject matter of the Ordinance to amend the Waukesha County Shoreland and Floodland Protection Ordinance, hereby recommends approval of SZ-1763A (Text Amendments - Incorporate 2013 FEMA Floodplain Update -- Bark River) in accordance with the attached "Staff Report and Recommendation".

PARK AND PLANNING COMMISSION

November 21, 2013




Bob Peregrine, Chairperson



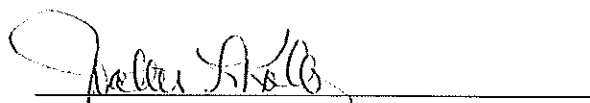
Jim Siepmann, Vice Chairperson

Absent

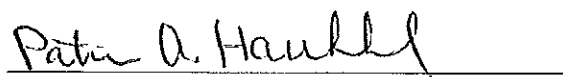
William Mitchell



Gary Goodchild



Walter Kolb



Pat Haukohl

Absent

Fritz Ruf

WAUKESHA COUNTY DEPARTMENT OF PARKS AND LAND USE
STAFF REPORT AND RECOMMENDATION
TEXT AMENDMENT

FILE NO.: SZ-1763A (Text)

DATE: November 21, 2013

PETITIONER: Waukesha County
Dept. of Parks and Land Use
515 W. Moreland Blvd., Room 230AC
Waukesha, WI 53188

PROPOSAL:

Text amendments to the Waukesha County Shoreland and Floodland Protection Ordinance (SFPO) to incorporate new official FEMA floodplain maps and DNR floodplain storage maps, by reference. The text amendments specifically pertain to floodplain mapping relative to portions of the Towns of Delafield, Lisbon, Merton and Ottawa. The majority of the area affected by the text amendments is located along the Bark River within the Towns of Lisbon, Merton and Ottawa.

PUBLIC HEARING DATE:

November 21, 2013.

PUBLIC REACTION:

Public comments will be accepted and considered at the November 21, 2013 public hearing. The related FEMA floodplain maps have previously been the subject of a formal FEMA appeals period. If comments raised during the hearing cannot be addressed at the same November 21, 2013 meeting, action can be tabled to the December 12, 2013 meeting, if necessary. Because of the narrow window of time that FEMA provides for map adoption, the public hearing and proposed zoning ordinance text amendments have both been scheduled for the same date (November 21, 2013).

COMPLIANCE WITH THE WAUKESHA COUNTY DEVELOPMENT PLAN:

The County Development Plan calls for protection of one hundred year (1% chance) floodplains and recommends that new development not be allowed within floodplain areas. The proposal to adopt the new FEMA and DNR floodplain mapping and studies into the SFPO will ensure that areas subject to flooding are adequately protected and will provide relief to those property owners whose lands have recently been determined to be outside of the 100 year or 1% chance floodplain.

STAFF ANALYSIS:

The Federal Emergency Management Agency (FEMA) has recently prepared new floodplain mapping for portions of Waukesha County and advised that the County, as floodplain administrator for the unincorporated areas of Waukesha County, must adopt the newly released FEMA mapping and data into the Waukesha County Shoreland & Floodland Protection Ordinance (SFPO) by February 19, 2014. The new mapping primarily affects the floodplain areas affiliated with the Bark River and its surroundings from the Washington County line on the north to the Jefferson County line to the west. The proposed FEMA and DNR floodplain mapping is posted for viewing at www.waukeshacounty.gov/planning (see the "Quicklinks" tab- FEMA Floodplain Update- 2013 Bark River). In order to comply with FEMA requirements, the subject text amendments are now being proposed. The text amendments are limited to a repeal and re-creation of the list of floodplain studies (see Exhibits "A" and "B") within the SFPO, which is an element of the official maps section of the ordinance. The re-created map table will

incorporate the new FEMA floodplain maps and supporting data by reference. In addition, the DNR has also published new Floodplain Storage Maps that coincide with the new FEMA mapping. These maps are also required to be adopted into the SFPO by the DNR. This FEMA map update, which FEMA references as the Bark River Physical Map Revision, was prompted by FEMA's recent approval of a new floodplain study for the Bark River.

The new study of the Bark River was precipitated by the release of new Countywide FEMA mapping back in 2008. In 2008, FEMA comprehensively re-mapped numerous floodplains within Waukesha County. A number of appeals and protests of that mapping were filed by Waukesha County, several municipalities within the County and private individuals. A number of entities expressed specific concern with the significant increases in the Bark River floodplain elevation and mapping. Multiple entities, including Waukesha County, appealed FEMA's mapping of the Bark River in 2008. Because the Bark River flows through a number of lakes within the County, the submitted appeals also represented lake interests. Particular areas of mapping concern included areas in the Venice Beach neighborhood along the south shore of Upper Nemahbin Lake, the Lake Nagawicka shoreline and areas in downtown Hartland along the Bark River.

FEMA did not accept the appeals of the affected municipalities and Waukesha County in 2008 because there was not sufficient scientific evidence available to override the prepared maps and floodplain model. As a result, in 2009, Waukesha County, along with the City of Delafield, Village of Hartland and the Upper Nemahbin Lake Management District jointly funded a new detailed study of the Bark River. Yaggy Colby Associates was retained to perform the floodplain study. In 2011, the study was finalized by the consultant and was approved by FEMA. However, because of the magnitude of the study and the number of map panels affected by the study, FEMA did not immediately issue a letter of map revision, as is commonplace for new floodplain studies. Instead, despite the pleas of multiple affected communities, FEMA delayed formal incorporation of the study and indicated that the project would require a Physical Map Revision (PMR) at such time as FEMA could program funds for such an effort.

In October 2012, FEMA released the preliminary maps for the PMR. Waukesha County forwarded notice of the availability of the maps and the appeals process at that same time to affected municipalities. It should be noted that Waukesha County filed two appeals as part of the formal FEMA PMR process that commenced in 2012. In particular, County staff advised FEMA that the mapping that pertains to the Village of Summit had been erroneously included on the panels for unincorporated Waukesha County- likely a result of Summit's relatively recent incorporation. Waukesha County also asked that the new mapping be further revised to include a recently completed floodplain study for the Genesee Lakes chain in the Village of Summit. FEMA responded and accepted both appeals. Another appeal was brought forward by an individual within the Town of Lisbon. That appeal was not accepted for lack of sufficient scientific information.

Because the County is no longer responsible for floodplain zoning administration within the Village of Summit, at the direction of DNR and FEMA staff, the list of floodplain studies within the SFPO is being revised to delete Summit panels that do not contain any part of unincorporated Waukesha County. The proposed text amendments also propose deletion of the study references for those floodplain areas that are now being formally incorporated into the SFPO. Of those studies, only one is now located within the unincorporated area of Waukesha County (the Lake Keesus Flood Study).

While the formal incorporation of the FEMA and DNR floodplain maps and studies is by text reference, Waukesha County is also proposing to amend its official zoning maps to adjust floodplain boundaries and zoning designations to reflect the newly determined boundaries as part of a separate zoning map amendment (see staff report for SCZ-1763). Because the new Bark River floodplain study largely reduces the area of the floodplain, most of the changes alter designations from the C-1 Conservancy District or AE Exclusive Agricultural Conservancy District (floodplain

zoning districts) to an adjacent upland zoning category. Because the County and municipalities will protect the proposed DNR floodplain storage areas (such as wetlands) from fill with protective zoning, the floodplain elevation of the Bark River was able to be reduced. The use of more accurate and current topographic data, dam operational data and new modeling also reduced most floodplain areas within the study area.

The new proposed FEMA mapping reduces the floodplain elevation of the Bark River by as much as five to six feet in portions of the Towns of Lisbon and Merton, while the new Bark River floodplain elevation within the Town of Ottawa generally stays the same or increases by up to 0.1 feet. The impact of the related Bark River floodplain map panel changes in the City of Delafield, the Village of Hartland and the now Village of Summit are also fairly dramatic, and those areas must be similarly accepted by those communities. The result of the study is that the floodplain elevation of Lake Nagawicka decreases by as much as 0.8 feet, the Nemahbin Lakes floodplain decreases by as much as three feet and the Lower Nashotah Lake floodplain decreases by 1.4 feet. The downtown areas of Hartland were as negatively impacted by the 2008 FEMA floodplain mapping as anywhere in the County. The new study decreases the floodplain elevation there by as much as six feet. Also of significance, the overall area of the Bark River floodway, the area most susceptible to flowing flood waters, has been reduced substantially, which eases regulatory burden from many landowners.

Affected cities and villages within the County will be responsible for adopting the new mapping and study, as it relates to their corporate boundaries, into their respective zoning ordinances. The FEMA map panels have a FEMA effective date of February 19, 2014, but upon local adoption, the new mapping can be administered immediately. It should be noted that another ongoing FEMA map update project relative to the larger Rock River Basin will likely further slightly modify floodplain elevations within the areas affected by this FEMA mapping project as soon as next year. It should be noted that DNR floodplain program staff has reviewed the proposed text amendments and advised that they find the language to be satisfactory.

STAFF RECOMMENDATION:

It is the opinion of the Planning and Zoning Division Staff that the proposed text amendment ordinance be approved As conditioned, the text amendments will adhere to FEMA and DNR requirements for the County's administration and protection of floodplain areas. The incorporation of the new Bark River floodplain mapping into the County ordinance will generally relieve the regulatory and financial burdens that many County residents have experienced as a result of the currently effective 2008 FEMA mapping. The adoption of more detailed and modern floodplain mapping is consistent with County Development Plan and zoning ordinance provisions.

Respectfully submitted,

Jason Fruth

Jason Fruth
Planning & Zoning Manager

Enclosures: Exhibits "A" and "B"

N:\PRK\ANDLU\Planning and Zoning\Rezoning\Staff Reports\1763A Bark River Physical Map Revision Text wco.doc

**PROPOSED AMENDMENT
TO THE WAUKESHA COUNTY
SHORELAND AND FLOODLAND PROTECTION ORDINANCE**

Notes: Text to be deleted appears in *strikeout font*. Text to be added appears in *italics*. Some formatting may change as the Editor incorporates the proposed amendments into the existing code.

Table 6(b)1.B.i.

Official Maps (Based on the FIS)

Waukesha County Flood Insurance Rate Map (FIRM), panel numbers
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55133C0039F, 55133C0041F, 55133C0042F, 55133C0043F, 55133C0044F,
55133C0053F, 55133C0054F, 55133C0059F, 55133C0061F, 55133C0062F,
55133C0063F, 55133C0064F, 55133C0066F, 55133C0067F, 55133C0068F,
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55133C0408F, 55133C0409F, 55133C0426F, 55133C0427F, 55133C0431F,
55133C0432F, 55133C0451F, 55133C0452F, 55133C0453F, 55133C0454F,~~
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55133C0068G, 55133C0069G, 55133C0078G, 55133C0086G, 55133C0087G,
55133C0143G, 55133C0144G, 55133C0157G, 55133C0163G, 55133C0164G,
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2. Golden Lake: ~~Annotated panel numbers 55133C0141F, 55133C0142F, 55133C0143F, and 55133C0144F, including the corresponding profiles that are based on the Flood Insurance Study (FIS) revised to reflect this LOMR, LOMR Case No. 10-05-0806P, effective date of revision: September 03, 2010.~~
3. Lake Keesus: ~~Annotated panel numbers 55133C0066F and 55133C0062F, including the corresponding profiles that are based on the Flood Insurance Study (FIS) revised to reflect this LOMR, LOMR Case No. 10-05-0802P, effective date of revision: September 03, 2010.~~
4. Lower Genesee Lake: ~~Annotated panel numbers 55133C0161F and 55133C0162F, including the corresponding profiles that are based on the Flood Insurance Study (FIS) revised to reflect this LOMR, LOMR Case No. 12-05-1322P, effective date of revision: November 16, 2012.~~
5. Middle Genesee Lake: ~~Annotated panel numbers 55133C0161F and 55133C0162F, including the corresponding profiles that are based on the Flood Insurance Study (FIS) revised to reflect this LOMR, LOMR Case No. 12-05-1322P, effective date of revision: November 16, 2012.~~
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7. Upper Genesee Lake: ~~Annotated panel numbers 55133C0161F and 55133C0162F, including the corresponding profiles that are based on the Flood Insurance Study (FIS) revised to reflect this LOMR, LOMR Case No. 12-05-1322P, effective date of revision: November 16, 2012.~~

Approved by: The WDNR and FEMA

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4. Dam Failure Analysis – Mukwonago Dam, prepared by Mead & Hunt, June 2012. Approved by the WDNR on July 11, 2012 and adopted by the Waukesha County Board ~~on November 26, 2013.~~
5. *Waukesha County Flood Storage District Maps, Panels 2, 3, 5, 6, 7, and 8. Dated February 19, 2014. Prepared by the WDNR. Approved by the WDNR.*

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PROPOSED AMENDMENT
TO THE WAUKESHA COUNTY
SHORELAND AND FLOODLAND PROTECTION ORDINANCE

Repeal and recreate Table 6(b)1.B.i. as follows:

Table 6(b)1.B.i.

Official Maps (Based on the FIS)

Waukesha County Flood Insurance Rate Map (FIRM), panel numbers 55133C0016F, 55133C0017F, 55133C0018F, 55133C0019F, 55133C0029F, 55133C0033F, 55133C0034F, 55133C0036F, 55133C0037F, 55133C0038F, 55133C0039F, 55133C0041F, 55133C0042F, 55133C0043F, 55133C0044F, 55133C0053F, 55133C0054F, 55133C0061F, 55133C0063F, 55133C0083F, 55133C0088F, 55133C0089F, 55133C0091F, 55133C0093F, 55133C0131F, 55133C0132F, 55133C0151F, 55133C0152F, 55133C0156F, 55133C0168F, 55133C0169F, 55133C0181F, 55133C0182F, 55133C0183F, 55133C0186F, 55133C0187F, 55133C0188F, 55133C0189F, 55133C0191F, 55133C0193F, 55133C0194F, 55133C0201F, 55133C0202F, 55133C0206F, 55133C0207F, 55133C0208F, 55133C0214F, 55133C0216F, 55133C0217F, 55133C0218F, 55133C0219F, 55133C0259F, 55133C0270F, 55133C0285F, 55133C0290F, 55133C0291F, 55133C0292F, 55133C0293F, 55133C0294F, 55133C0301F, 55133C0302F, 55133C0303F, 55133C0304F, 55133C0306F, 55133C0307F, 55133C0308F, 55133C0309F, 55133C0311F, 55133C0312F, 55133C0314F, 55133C0316F, 55133C0317F, 55133C0318F, 55133C0319F, 55133C0326F, 55133C0327F, 55133C0328F, 55133C0329F, 55133C0331F, 55133C0336F, 55133C0338F, 55133C0339F, 55133C0385F, 55133C0405F, 55133C0406F, 55133C0407F, 55133C0408F, 55133C0409F, 55133C0426F, 55133C0427F, 55133C0431F, 55133C0432F, 55133C0451F, 55133C0452F, 55133C0453F, 55133C0454F, dated November 19, 2008; with corresponding profiles that are based on the Flood Insurance Study (FIS) dated February 19, 2014, volume numbers 55133CV001B, 55133CV002B, and 55133CV003B.

55133C0059G, 55133C0062G, 55133C0064G, 55133C0066G, 55133C0067G, 55133C0068G, 55133C0069G, 55133C0078G, 55133C0086G, 55133C0087G, 55133C0143G, 55133C0144G, 55133C0157G, 55133C0163G, 55133C0164G, 55133C0166G, 55133C0167G, 55133C0176G, 55133C0177G, 55133C0178G, 55133C0179G, 55133C0256G, 55133C0257G, 55133C0280G, dated February 19, 2014; with corresponding profiles that are based on the Flood Insurance Study (FIS) dated February 19, 2014, volume numbers 55133CV001B, 55133CV002B, and 55133CV003B.

Revisions to the Waukesha County Flood Insurance Rate Map (FIRM) Panel Numbers:

1. Brandy Brook –Downstream of Summit Avenue to approximately 5,000 ft. upstream: Annotated panel numbers 55133C0186F, 55133C0187F, 55133C0188F, and 55133C0189F, including the corresponding profiles that are based on the Flood Insurance Study (FIS) revised to reflect this LOMR, LOMR Case No. 08-05-4338P, effective date of revision: June 19, 2009.
2. Okauchee Lake –the southern end from the south shore to approximately 780 ft. north: Annotated panel number 55133C0156F with no revision to the Flood Insurance Study (FIS), LOMR Case No. 09-05-4061P, effective date of revision: September 28, 2009.

Approved by: The WDNR and FEMA

Repeal and recreate Table 6(b)1.B.ii. as follows:

Table 6(b)1.B.ii.

List of Official Maps Based Upon Other Studies to be Used in Conjunction with the Waukesha County Shoreland and Floodland Protection Ordinance Zoning Maps is as follows:

1. Dam Failure Analysis and Emergency Action Plan for Wambold and Kroll Dams on Eagle Spring Lake, prepared by Graef, Anhalt, Schloemer & Associates, Inc., revised April 2002. Approved by the WDNR in April of 2002 and adopted by the Waukesha County Board on April 13, 2004.
2. Dam Failure Analysis and Proposed Dam Capacity Analysis-Monches Dam, Hey and Associates, Inc., April 17, 2006; amended on October 13, 2006 by Hey and Associates, Inc.; further amended on May 17, 2011 by the Waukesha County Department of Public Works; and further amended by R.A. Smith National on January 19, 2012. Approved by the WDNR on January 24, 2012 and adopted by the Waukesha County Board on March 27, 2012.
3. Dam Failure Analysis -- Monterey Dam, prepared by Kunkel Engineering Group, LLC on September 2, 2011. Approved by the WDNR and adopted by the Waukesha County Board on December 18, 2012.
4. Dam Failure Analysis -- Mukwonago Dam, prepared by Mead & Hunt, June 2012. Approved by the WDNR on July 11, 2012 and adopted by the Waukesha County Board on ~~November 26, 2013~~.
5. Waukesha County Flood Storage District Maps, Panels 2, 3, 5, 6, 7, and 8. Dated February 19, 2014. Prepared by the WDNR. Approved by the WDNR.

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WAUKESHA COUNTY BOARD OF SUPERVISORS

V

DATE-12/17/13

(ORD) NUMBER-1680068

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|--------------------------|--------------------------|
| 1 C. SLATTERY..... | 2 D. Zimmermann.....AYE |
| 3 R. MORRIS.....AYE | 4 J. BATZKO.....AYE |
| 5 J. BRANDTJEN.....AYE | 6 J. JESKEWITZ..... |
| 7 J. GRANT.....AYE | 8 P. HAUKOHL.....AYE |
| 9 J. HEINRICH.....AYE | 10 D. SWAN.....AYE |
| 11 F. RUF.....AYE | 12 P. WOLFF.....AYE |
| 13 P. DECKER.....AYE | 14 P. MEYER.....AYE |
| 15 W. KOLB.....AYE | 16 M. CROWLEY.....AYE |
| 17 D. PAULSON.....AYE | 18 L. NELSON.....AYE |
| 19 C. CUMMINGS.....AYE | 20 T. SCHELLINGER....AYE |
| 21 W. ZABOROWSKI.....AYE | 22 P. JASKE.....AYE |
| 23 K. HAMMITT.....AYE | 24 D. DRAEGER.....AYE |
| 25 G. YERKE..... | |

TOTAL AYES-22

TOTAL NAYS-00

CARRIED _____

DEFEATED _____

UNANIMOUS X

TOTAL VOTES-22