



## Office of the Mayor

David J. Cieslewicz, Mayor

City-County Building, Room 403  
210 Martin Luther King, Jr. Boulevard  
Madison, Wisconsin 53703-3345  
PH 608 266 4611  
FAX 608 267 8671  
TTY/Textnet 866 704 2340  
mayor@cityofmadison.com  
www.cityofmadison.com

August 15, 2008

Matthew J. Frank  
Secretary of Department of Natural Resources  
101 S. Webster Street  
P.O. Box 7921  
Madison, WI 53707-7921

Dear Secretary Frank:

On August 8<sup>th</sup> the City of Madison Common Council passed the enclosed resolution calling for a review of levels on the Madison lakes. Therefore, pursuant to the attached certified resolution RES-08-00766 of the Common Council, the City of Madison hereby requests that the Wisconsin Department of Natural Resources, under Wis. Stat. § 31.02, investigate, review and revise the authorized lake levels on Lakes Mendota and Monona to reduce the risk of future flooding.

The current Department of Natural Resources order, Docket No. 3-SD-77-808, which was issued on January 18, 1979, directly establishes the lake levels for Lake Mendota and indirectly establishes the lake levels for Lakes Monona and Waubesa. The communities on these lakes have been subjected to flooding events at increasingly frequent intervals and increasingly higher lake elevations.

It is not the intent of the City of Madison to move floodwaters from one community to another. To the contrary, the City of Madison strongly supports involvement and engagement of other communities, including our neighbors in the City of Middleton, the City of Monona, and the Village of McFarland, in order to address this issue in a fashion to reduce the flooding risk of all communities. We recognize that lake levels are just one tool in reducing flood risk. We understand that we may need additional capacities at the various dams and channel restrictions in order to release water in anticipation of flood events.

The City also requests that the Department review be conducted in such a manner as to recognize and implement the wetland values findings and

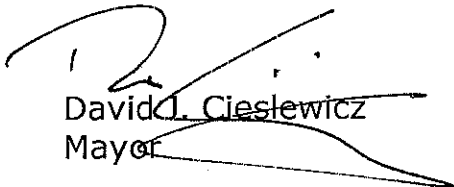
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policy of NR 1.95, Wis. Adm. Code, to avoid or minimize the adverse effects of the regulated high lake water levels upon the valuable Cherokee Marsh and Upper Yahara River wetlands, their maintenance, enhancement and restoration.

I look forward to working with the Department of Natural Resources on this important effort. I have also copied our neighboring communities in order to enlist their support in this important work.

Sincerely,



David J. Cieslewicz  
Mayor

DJC/cjp

Attachment

cc: City of Madison Common Council  
Alder Michael Schumacher, 18<sup>th</sup> AD  
Mayor Kurt Sonnentag, City of Middleton  
Patricia Amble, City Clerk, City of Middleton  
Mayor Robb B. Kahl, City of Monona  
Joan Andrusz, City Clerk, City of Monona  
Mike Harried, Village President, Village of McFarland  
Deb Neal, Village Clerk, Village of McFarland  
Mayor Helen J. Johnson, City of Stoughton  
Luann Alme, City Clerk, City of Stoughton  
Kathleen Falk, Dane County Executive  
Lloyd Eagan, South Central District, WDNR  
Kevin Connors, Dane County Land Conservation  
Sue Jones, Dane County Lakes & Watershed Commission



# City of Madison

City of Madison  
Madison, WI 53703  
www.cityofmadison.com

## Certified Copy

Resolution: RES-08-00766

File Number: 11110

Enactment Number: RES-08-00766

To a) authorize the Common Council of the City of Madison to request that the Wisconsin Department of Natural Resources review authorized lake levels on Lake Mendota, b) request from Dane County a review of their policy on summer minimum and maximum lake levels and its potential impact on residential flooding and wetland deterioration, and c) direct the City Engineer, the Parks Division, and the City Attorney to work with the National Weather Service, the Wisconsin Department of Natural Resources, the Cities of Middleton and Monona, and Dane County to establish pre-determined thresholds representing the onset of flooding for Lakes Mendota, Monona, and Waubesa

### Preamble

One of Madison's greatest natural treasures are its surrounding lakes enjoyed by residents and visitors alike. In recent years concerns have been raised about the established lake levels and their impact on the quality of water, wetland deterioration and restoration, and potential flooding of residential areas such as Cherokee Park. These concerns have been prompted to a large extent by the floods of 1993, 2000 and now, 2008, all of which exceeded the presently established 100-year flood event for Lake Mendota.

The level of Lakes Mendota, Monona, and Waubesa are established by the Department of Natural Resources Order of January 18, 1979 and have not been formally reviewed since that time. Dane County is responsible for maintaining those levels following the criteria established by the DNR. The current lake level orders require the county to raise Lake Mendota to the summer minimum in March each year. The lake is drawn down in the winter to create flood storage and to reduce ice damage and puts it all back in March to theoretically help northern pike spawning. The DNR does not fine the county if it exceeds the maximum lake levels.

Residents residing in the area of Cherokee Marsh and Park have encountered significant flooding problems as maximum levels in Lake Mendota are maintained and in many cases exceeded. The federal government has proposed to increase the 100-year regional flood on Lake Mendota by one foot based on the flood of 2000. A number of additional residences are now located in a flood plain.

Lowering the elevation would reduce the likelihood of flooding during extreme weather events, such as the record snowfall this past winter and the rain that has fallen this June. It would also enhance the Parks Division's ability to maintain and restore areas of Cherokee Marsh that are eroding on an annual basis. There is an annual loss of approximately seven feet of shoreline along the Yahara River. The City has just purchased additional lands to increase the size of Cherokee Marsh at a cost of more than \$1 million and stands to lose the shoreline due to the continued erosion occurring along the riverbanks.

A lowering of the lake levels would also encourage the growth of wetland plants in Cherokee Marsh. By managing the lake levels at the minimum levels (2 to 3 inches lower) emergent plants would populate laterally. Maintaining the lake levels at the summer minimum is an action the county could take without changing the lake level orders from the DNR. The lake level issue is also a direct threat to the wetlands in Cherokee Marsh and other areas along the Yahara River and should be incorporated into a longer-term strategic plan. The ordinary high water level on Lake Monona at

Olbrich Park, for example, is eroding the shoreline.

Unlike many of Wisconsin's rivers and streams, the Yahara Lakes do not have pre-determined thresholds representing the onset of flooding. These thresholds would provide the public with definitions that would relate river and lake stages to potential damage, public safety and the closure of roads and highways.

River/lake forecast definitions are:

- Bankfull Stage, which represents the maximum safe water level which will not overflow the river banks and lake shorelines or cause any significant damage;
- Flood Stage, which is the gauge height which a watercourse overtops its banks and begins to cause damage;
- Moderate Flood Stage, where secondary roads are inundated; transfer to higher ground is necessary to save property and some evacuation may be required; and,
- Major Flood Stage, where there is extensive inundation and property damage and which is characterized by the evacuation of people, livestock and the closure of both primary and secondary roads.

The establishment of standardized thresholds would serve to better inform the public and elected officials regarding the implications of specific lake levels in our area. Such standardization would also provide more opportunities for intergovernmental cooperation between local municipalities, Dane County, and the Wisconsin Department of Natural Resources to update emergency preparedness plans for severe flooding, conduct more periodic reviews of lake level policies based on objective data, and reassure citizens that proper flood management and prevention, wetland restoration, and clean lakes are a top priority.

The Yahara Lakes are facing unprecedented challenges. If the climate pattern of recent years continues, there will be more intense storms with greater frequency of flooding and shoreline erosion. Residents are requesting help from their elected officials to reduce the risk of flooding.

NOW, THEREFORE, BE IT RESOLVED, that the City Engineer, Parks Division, and the City Attorney are hereby directed to work with the National Weather Service, the Wisconsin Department of Natural Resources, the Cities of Middleton and Monona, and Dane County to establish pre-determined thresholds representing the onset of flooding for Lakes Mendota, Monona, and Waubesa; and

BE IT FURTHER RESOLVED, that the Common Council of the City of Madison officially requests that the Wisconsin Department of Natural Resources review and revise the current lake level order for Lakes Mendota and Monona to reduce the risk of future flooding; and

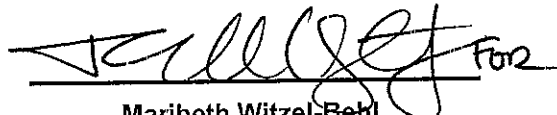
BE IT FURTHER RESOLVED, that representatives from City staff, surrounding communities, Dane County, and Wisconsin Department of Natural Resources propose projects, such as additional flow capacity beneath the railroad trestle at the Yahara River entrance to Lake Waubesa to reduce the risk of future flooding; and

BE IT FURTHER RESOLVED, that Dane County conducts a review of their policy on summer minimum and maximum lake levels and its potential impact on residential flooding and wetland deterioration with the intent to maintain the Lakes Mendota and Lake Monona around the "Summer

Minimum" elevation after the present flooding conditions subside; and

BE IT FINALLY RESOLVED, that it is the intent of the Common Council of the City of Madison to have these actions concluded prior to the spring 2009 run-off to reduce the risk of future floods

I, Maribeth Witzel-Behl, certify that this is a true copy of Resolution No. 11110, passed by the COMMON COUNCIL on 8/5/2008.

  
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Maribeth Witzel-Behl

8-13-08  
Date Certified