



LAND INFORMATION

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Date: April 28, 1997

To: Dan Ryan

From: Kathleen E. Swingle, Burnett County Surveyor/Land Information Supervisor

Re: Final Report on the Wisconsin Lake Management Planning Project Grant
Burnett County; Sand, Green, Pine, Bass, Bonner, Birch Island, Shoal, Cadotte,
Loon, Upper Loon, Middle Loon, Ham, Crooked, Crystal
and Point Lakes

The project in this grant was to obtain ½' per pixel digital orthophotos from Burnett County's 1994 low altitude photography for 20 sections (1 mile by 1 mile square) with lakes. The area included in this project are sections 1, 7, 11, 12, 13, 14, 16, 17, 18, 20, 23, 24, 25, 26, 27, 28, 29, 34, 35, and 36 in Jackson Township (T40N, R15W).

This was a very successful endeavor! We use the digital orthophotos for many planning applications. Here are a few examples of that usage. 1. A structure map was created for the Burnett County Long Range Planning Committee to use for locating populated areas of the county. Cad Overlay GSX software was used to view the photos, then a symbol was placed for structure location. The resulting composite map is very revealing, lake shapes can be defined by the structure symbols alone! This information is crucial to help determine the pressure a lake is subjected to and essential in the planning process. 2. The photos have also been used to show where proposed developments would lie by overlaying a lot line map on the photo of the affected area. It becomes immediately clear if wet lands around the lake are threatened by the activity. 3. We plot 1" = 30' photos on our ink jet plotter for the Zoning Administrator to use for hearings or just to show people how their plans could impact the environment. 4. Lake Associations have requested large scale plots of the photo of their respective lakes.

I am enclosing a copy of part of a news clipping of a "show and tell" day which featured the digital orthophoto mapping products. A sample plot of a portion of a digital orthophoto is also enclosed.

Our thanks to Wisconsin DNR's assistance to us for this project. The information has continuing value as we update new structure locations using GPS technology. We are grateful for all the help you provided in this most productive activity. THANKS!