

Amendatory Ordinance No. 7-1116

WHEREAS, since the late 1960's, Wisconsin Statute 87.30 has required all counties to adopt and administer a floodplain zoning ordinance that, at a minimum, includes the standards the of Wisconsin Administrative Code NRI 16;

WHEREAS, the National Flood Insurance Program (NFIP) exists in tandem with local floodplain zoning with the purpose of providing federally underwritten flood insurance and requires that minimum standards be imposed on development in the floodplain in order for a community to be eligible for the program;

WHEREAS, part of Iowa County's responsibility is to adopt and incorporate dam failure analyses as recommended by the Wisconsin Department of Natural Resources for the purpose of maintaining current floodplain data;

WHEREAS, the Wisconsin Department of Natural Resources has reviewed and is requiring Iowa County to adopt a dam failure analysis for the Wright (Taliesin) Dam located in the SW1/4-NW1/4 of Section 30, Town 8N, Range 4E in the Town of Wyoming referenced as Wright (Taliesin)Dam, Field File 25.01, Lowery Creek, Iowa County;

WHEREAS, the Iowa County Planning and Zoning Committee held the required public hearing on September 29, 2016 regarding this dam failure analysis;

WHEREAS, said Committee is recommending adoption of the analysis;

NOW THEREFORE BE IT RESOLVED THAT the Iowa County Board of Supervisors list by reference the Wright (Taliesin) Dam Failure Analysis in Section 1.5(2)(b) of the Iowa County Floodplain Ordinance as an official regulated floodplain map to include:

- a) Floodway map dated October 5, 2015 and titled "Hydraulic Shadow Map – Wright Dam"
- b) Flood profile undated and titled "Wright Dam Failure Analysis – Hydraulic Shadow Profile"
- c) Floodway data table undated and titled "Wright Dam Failure Floodway Data – Lowery Creek"

Respectfully submitted by the Planning & Zoning Committee.

FLOODING SOURCE		FLOODWAY			DAM FAILURE WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹ (FEET)	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
349.00	7553	438.53	3160.00	0.01	720.8*	720.8*	720.8*	0.00
348.00	Wright Dam							
347.00	7503	290	2229.47	4.13	720.3	720.3	720.3	0.00
345.00	7481	230	2473.87	3.05	720.3	720.3	720.3	0.00
344.95	Private Road Bridge							
344.90	7481	230	2433.88	3.10	720.1	720.1	720.1	0.00
344.00	7383	110	1658.52	4.19	720.1	720.1	720.1	0.00
343.00	7357	58	962.37	6.31	719.8	719.8	719.8	0.00
342.95	CTH C Bridge							
342.90	7356	58	626.52	9.26	714.0	714.0	714.0	0.00
342.00	7284	60	664.72	8.42	714.0	714.0	714.0	0.00
7.00	3114	6470	47572.13	0.14	711.0**	711.0**	711.0**	0.00
IOWA COUNTY WISCONSIN				WRIGHT DAM FAILURE FLOODWAY DATA				
				LOWERY CREEK				

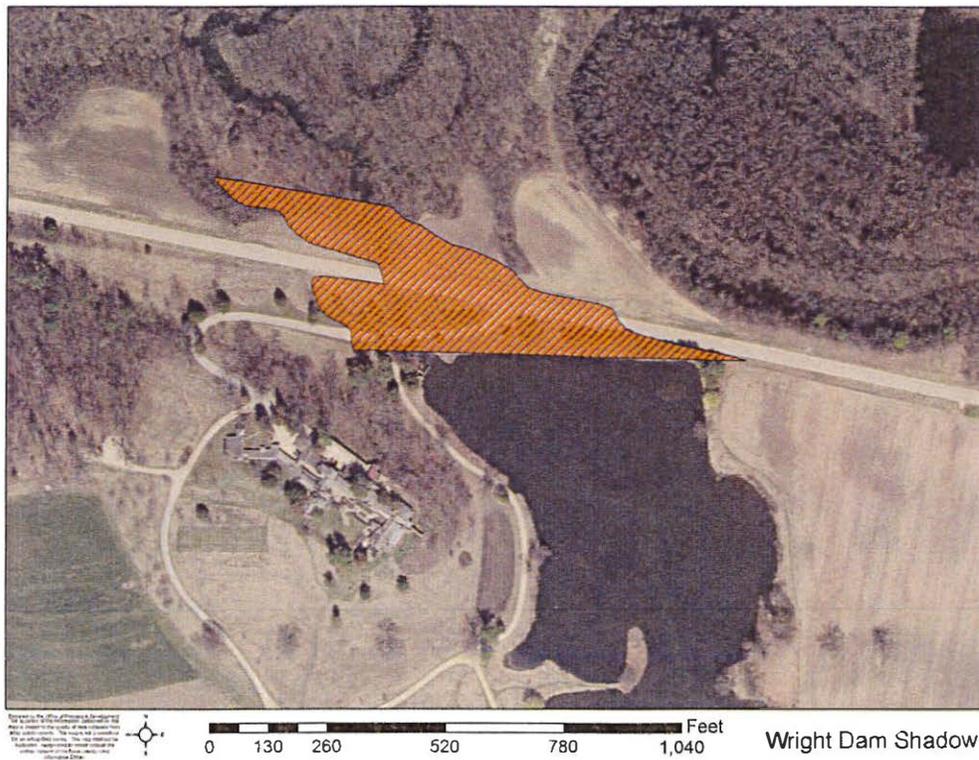
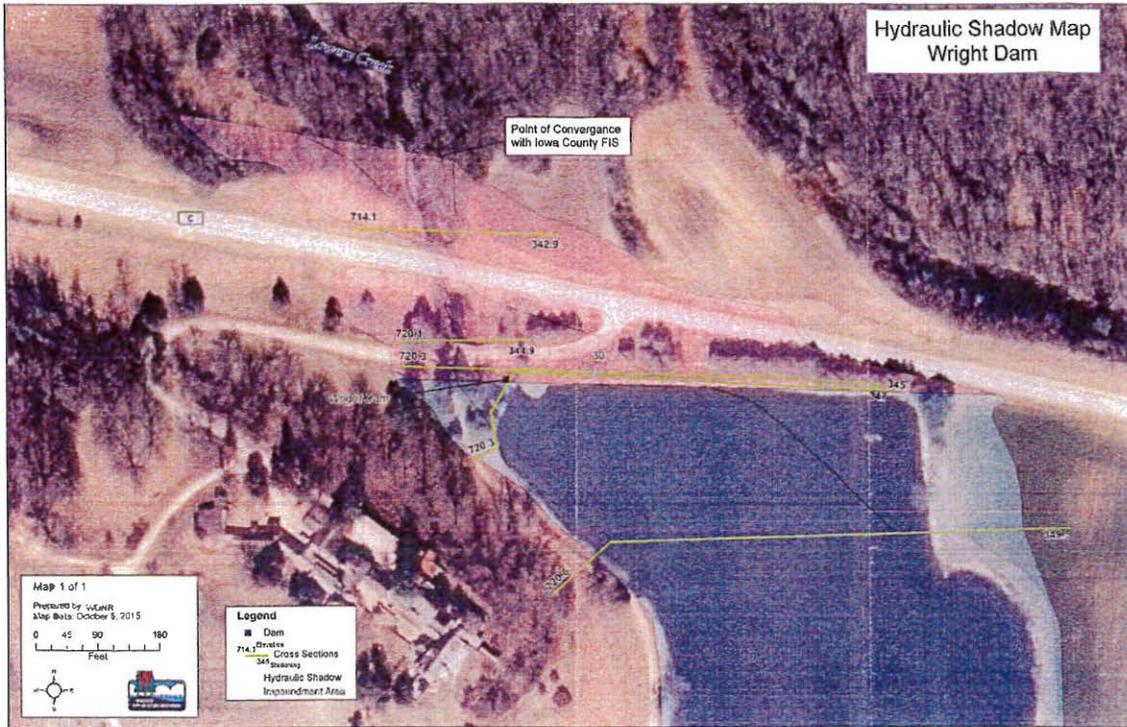
¹ D/S channel distance from RS 7.00 (Wisconsin River RS 343050)

* FIS Base Flood Water Surface Elevation on Lowery Creek

** FIS backwater from Wisconsin River



Revised floodplain: pink area is the hydraulic shadow and what would be referred to as floodway for regulation purposes - note additional impoundment area to the east of the pond, south of County Road C





Along County Road C facing east...dam





Access driveway off of County Road C that will be inundated at breach