



AUGLAIZE COUNTY

Engineering Department

P.O. Box 59
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Wapakoneta, Ohio 45895

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Douglas Reinhart
COUNTY ENGINEER

Jennifer Smith
09306 CR# 66A
Section 28, St. Marys Township
27

April 1, 2013

In re: Flood Plain Elevation

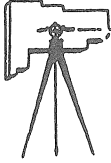
Dear Jennifer;

I examined flood elevation studies on Koop Creek near the southern boundary of St. Marys Township that are in the immediate area of your home, plus used the Ohio Department of Natural Resources study of the St. Marys River. I have verified that past determinations have set the FEMA flood plain elevation (100 year flood) to be 890.0 on Koop Creek to the east of your residence at 09306 CR# 66A.

Lydar technology has been obtained by Auglaize County through a recent aerial flight which provides to me a ground elevation every 6" square inches. As you well know the portion of your property along 66A is highly elevated versus that ground adjacent to Koop Creek to the east and that you have a walk-out basement facing the east which is the lowest floor elevation of your structure. That elevation, according to this lydar data is 895.0 which is five feet higher than the FEMA flood plain therefore making your home not subject to Koop Creek flooding should that 100 year event occur.

A copy of this letter and analysis will be kept on file in my office should any questions occur in the future.

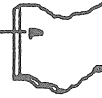
Douglas Reinhart, P.E., P.S.
Auglaize County Engineer
Auglaize County Flood Plain Coordinator



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WAPAKONETA, OHIO 45895
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Douglas Reinhart
COUNTY ENGINEER

Gordon

Gordon Geeslin, P.S.

June 1, 1993

100-year flood elevation at intersection of County road # 66A and the Southland Road.

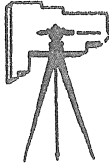
Dear Gordon:

Based upon the drainage area, grade of the existing stream, and past high-water flood elevations, the 100-year flood elevation for this location is 892.50.

The existing U.S.G.S. bench-mark is located on the top of the southwest wing-wall of the bridge just to the north of the intersection and has an elevation of 893.57.

Douglas Reinhart

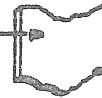
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Douglas Reinhart
COUNTY ENGINEER

To Whom It May Concern

May 30, 2001

In re: Flood Plain Certification of Flood Elevation at
Intersection of Southland Road and Koop Creek
Section 22, St. Marys Township, Auglaize County, Ohio

In 1993, based upon high water flood data from the 1980 flood (25 year) and the July 1992 flood (10 year), it was estimated the 100-year flood at this site was 892.5 (which is now being questioned).

Downstream 7000' at the next road crossing, SR# 219, the Ohio Department of Natural Resources had determined the 100-year flood to be 881.20.

In 1996, 3000' upstream of the questioned site, had a flood determination of 897.35 (see attached calculations).

Extrapolating between these two elevations, assuming an even hydraulic gradient, to the site at Southland Road, the calculated flood elevation would be 892.505 which verifies my 1993 determination of 892.50.

This elevation determination, based upon stream flood data is more accurate than attempting a hydraulic calculation at the site because of the following:

Calculations assume: A uniform bottom width (which does not exist)

A uniform trapezoidal channel (does not exist)

Uniform Mannings coefficient (based upon the amount of brush that exists -- changes ever few hundred feet along the channel)

Douglas Reinhart, P.E., P.S.
Auglaize County Engineer
Auglaize County Flood Plain Coordinator