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April 25, 2011

Matt Mitroka  
1330 S Fair St, Apt 313  
Arlington, VA 22202

Re: Wetland Determination – Biber & Hardy Sts.  
SW Corner of SE ¼ of NE ¼, Section 6, T4N, R1W, Ingham County

Dear Mr. Mitroka:

Pursuant to your request, Marx Wetlands LLC conducted a wetland determination for the above-referenced site. The intent of this determination is to provide a report of the character of the wetland areas within the subject parcel and an opinion as to the possible jurisdiction of the Michigan Department of Environmental Quality (MDEQ) and Meridian Township over wetland areas identified on-site.

The methods used to conduct this wetland determination are consistent with the procedures and general practices used by the MDEQ. This determination included review of in-office information including the Ingham County Soil Survey (Figure 1), National Wetland Inventory mapping (Figure 2), and aerial photography (Figure 3) obtained from Ingham County or from internet sources. An on-site evaluation was conducted on April, 21, 2011.

The subject parcel is approximately 1 acre in size and is located on the northeast corner of Biber Street and Hardy Street in Meridian Township, Ingham County, Michigan.

No areas of wetland were found on the subject property. No areas were found with a predominance of wetland vegetation and wetland hydrology although some areas of wetland found to the northeast of the site.

#### Upland Areas

The site generally consists of vegetation such as Morrow's honeysuckle, silver maple, garlic mustard, green ash, common buckthorn, black walnut, box elder, black raspberry, balsam fir, orange day lily, American elm, black cherry, cottonwood and pokeweed. There was no evidence of standing water or saturated soils in any part of the property.

#### MDEQ Jurisdiction/Regulatory Discussion

In order for the MDEQ to have regulatory authority over a wetland area, the wetland area must be over 5 acres in size or be contiguous to a lake, pond and/or stream. We have reviewed remote sensing information including aerial photos, county soil survey, and topographic maps, as well as observing the proximity of on-site water features during our on-site evaluation, to develop an opinion concerning the regulatory status of each of the wetland areas.

There were no wetland areas found on the site.

Please be advised the information provided in this report is a professional opinion. The ultimate decision on wetland boundary locations and jurisdiction thereof rests

with the MDEQ and, in some cases, the Federal government. Therefore, there may be adjustments to boundaries based upon review of a regulatory agency. An agency determination can vary, depending on various factors including, but not limited to, experience of the agency representative making the determination and the season of the year. In addition, the physical characteristics of the site can change with time, depending on the weather, vegetation patterns, drainage, activities on adjacent parcels, or other events. Any of these factors can change the nature / extent of wetlands on the site. We recommend the MDEQ be requested to confirm our determination and opinion.

Thank you for the opportunity to provide this wetland determination. If you have any questions, please contact me at your convenience.

Sincerely,



**Marx Wetlands LLC**  
Gary F. Marx

Enclosure

cc: Dane Pascoe, Kebs, Inc.





## Map Unit Legend

Ingham County, Michigan (MI006)			
Map Unit Symbol	Map Unit Name	Area In ACI	Percent of ACI
Co	Colwood-Brookston loams	12.2	44.8%
UpA	Urban land-Capeo-Colwood complex, 0 to 4 percent slopes	15.2	55.5%
W	Water	0.0	0.0%
Totals for Area of Interest		27.4	100.0%

Figure 2. Ingham County Soil Survey Legend



**Figure 3. National Wetland Inventory Mapping of Site (MDNRE Mapping Site)**





Figure 4. Ingham County Aerial Photo of Site





Figure 6. View of Wetland



Figure 7. View of Wetland



Figure 8. View of Wetland



Figure 9. View of Wetland



Figure 10. View of Wetland



Figure 11. View of Wetland