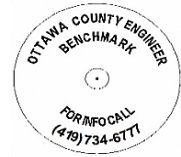




# OTTAWA COUNTY BENCHMARK DATA SHEET



## CAT 143-0.3

Township	Section	Town	Range	Type of Monument
CATAWBA ISLAND	SEC 4 LOT 7			3 1/4" Domed Bronze Disk in Concrete (OCE Spec. BM-1)
<b>Set By</b>	<b>Shot By</b>	<b>Calculated</b>	<b>Calculated By</b>	<b>Published</b>
OCE / OCHD	J. Allen	March 14, 2012	M. J. Wittman, P.S.	March 16, 2012

### Location

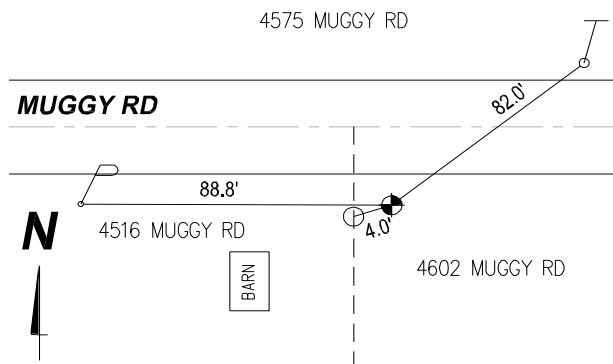
South side of Muggy Rd., T.R. #143, across from residence #4575

### Vertical Control

Vertical Datum	Method	Elevation (U.S. Survey Feet)
NAVD 88	GPS	582.43

### Horizontal Control

Horizontal Datum	Zone	Northing	Easting
NAD 83 CORS 96	OHIO NORTH 3401	682,092.658	1,873,761.376
<b>Method</b>	<b>Latitude</b>	<b>Longitude</b>	
GPS / CORPSCON	41° 32' 18.00348" N	82° 50' 45.79928" W	
<b>Geoid</b>	<b>Scale Factor</b>	<b>Convergence</b>	
GEOID 09	0.999972828	- 00° 13' 38.42823"	



#### **NOTES:**

1. Monument set: December 22, 2011
2. Data Collected: 2-7-12, 3-2-12, 3-12-12