

Name:

AGR 1401

Legal Land Descriptions and Web Soil Survey

Units of Property Measurement

2640 Ft.		1320 Ft.		40 Chains = 160 Rods	
160 Acres		80 Acres		40 Chains = 160 Rods	
40 Chains = 160 Rods		440 Yards		20 Acres	
40 Acres		80 Rods		5 Acres	
		10 Acres		5 Acres	
				2.5 Acres	

Over the course of class, use the provided Soil Survey of Hamilton County Indiana to determine the following information.

1. Go to map 11 and find Section 21. Find the house in the SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 21 and determine the Soil Series abbreviation that is covering the location of this home
2. In the back of the soil survey book, you'll find several tables. Find the one for sanitary facilities, and look for the soil series listed above. What limitations are listed for a septic tank absorption field for this soil?
3. Find the table for building site development. What limitations would this area have for dwellings with basements?

For the rest, use Websoil Survey, AcreValue, etc. to find the information you need.

4. Find the legal land description of the place that you live. Only include down to the $\frac{1}{4}$ of the $\frac{1}{4}$ of a Section if you have a small area (the 40 acres surrounding your home).
5. At your home, what is the predominant soil series at your location?
6. Research this soil series and determine its suitability for basements with dwellings, septic systems, and agronomic crops.
7. Given the information on the board, please provide the legal land description of the property highlighted.
8. Given the following land description, please provide the number of acres.
S $\frac{1}{2}$ NE $\frac{1}{4}$ S15 T3E R6W 2PM

9. Use the PLSS (Section, Township, Range) feature on Web Soil Survey to find the following parcel of land.

State: Ohio

NE ¼ S3 T5N R6E 1PM (160 acres)

This area is adjacent to which 2 roads?

Set this area as your Area of Interest and click on soil map.

There are a lot of soil series in this area. Please look at the percentage of the given area, and list the top 4 in land area below.

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