

Web Based GIS & Archaeological Sites

A USGS topographic quadrangle map with a fictitious archaeological site located on it (yellow circle) near Merom, Indiana is located below. Using the data layers on the *Indiana Map* at the Indiana Geological Survey Web site <http://igs.indiana.edu/> create and *print* (use “*save map as JPG*) a map with this site accurately located on it (*black medium circle w/ UTM*s) using the **1998 aerial photo layer** and the **contour lines layer** and answer the following questions:

1. Determine the elevation of the site in feet amsl.
2. Give the site's UTM's (northing, easting & datum).
3. What USGS quad is it located on?
4. What township/range & section is the site in?
5. determine the soil association.
6. determine the landcover.
7. determine the Physiographic Region.
8. determine the Quaternary geological deposits the site is located on (DESCRIPTIO; GEOLOGIC_A; DEPOSITION)
9. determine the bedrock geology underlying the site (SYSTEM; ROCK_UNITS).
10. determine the distance of the site from the Wabash River (Meters).

15 points; due Wednesday, February 25th.

