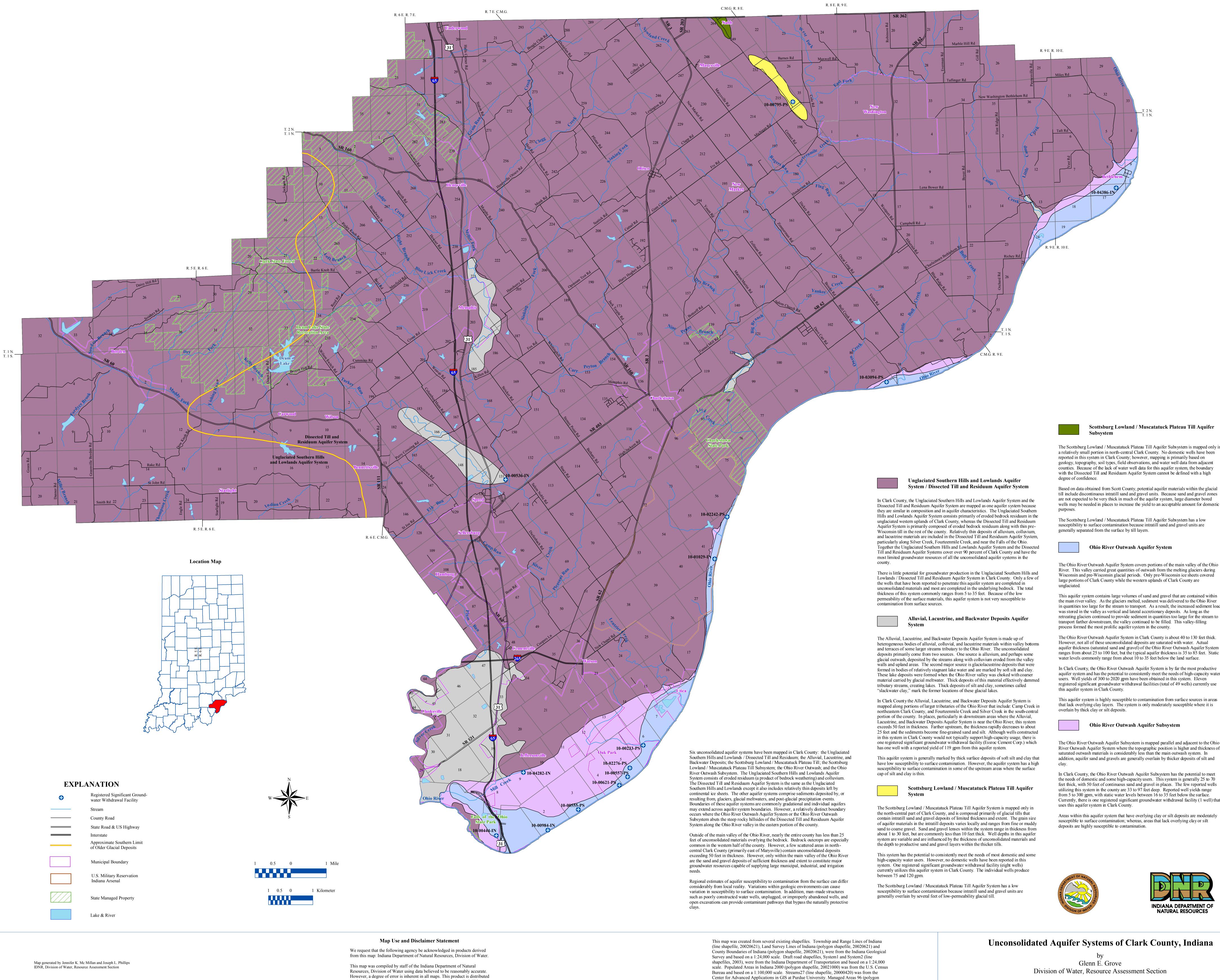
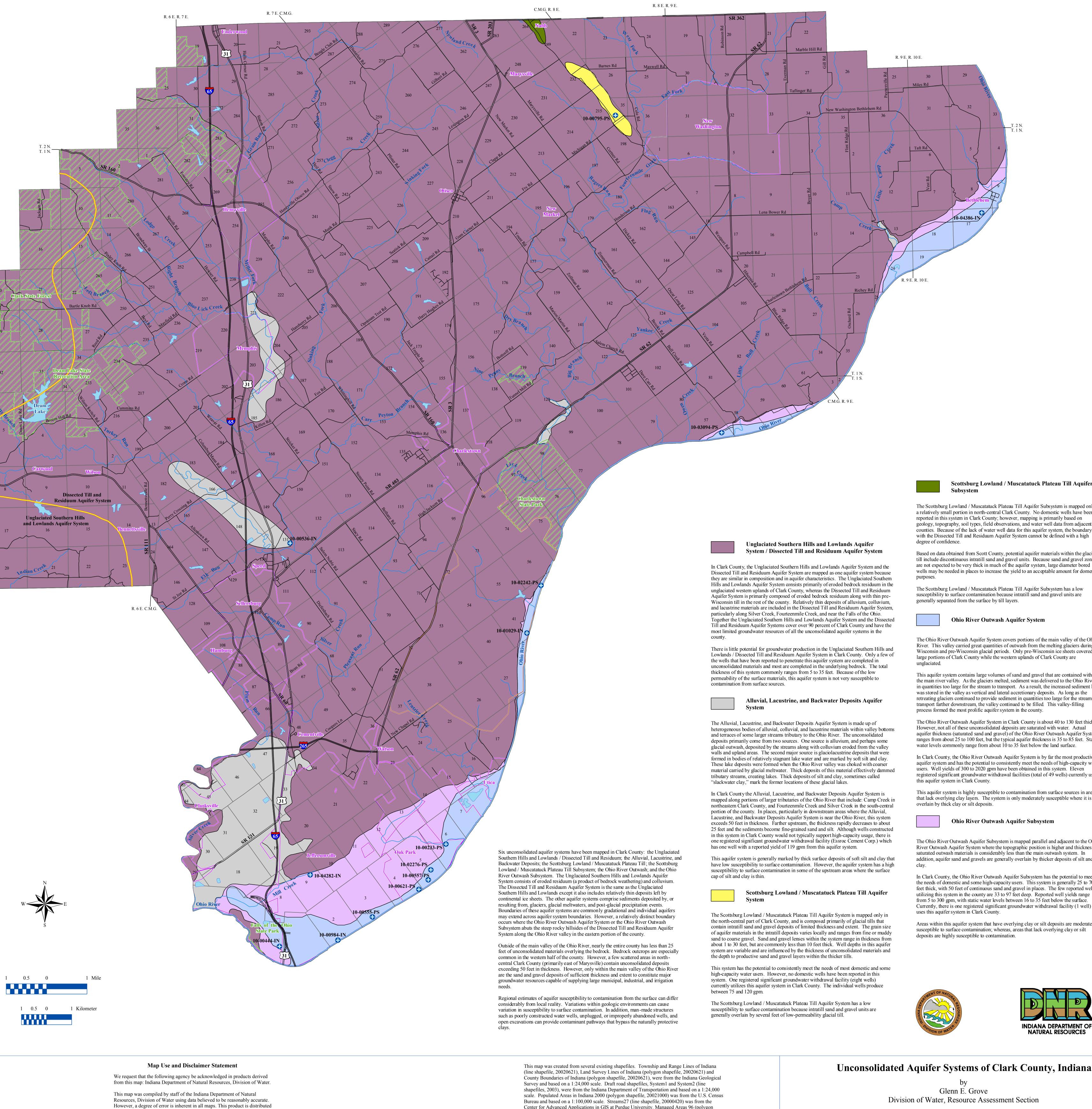
UNCONSOLIDATED AQUIFER SYSTEMS OF CLARK COUNTY, INDIANA



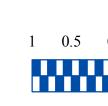






shapefile, various dates) was from IDNR. Unconsolidated Aquifer Systems coverage (Grove,

2006; Modified, 2010) was based on a 1:24,000 scale.



"as is" without warranties of any kind, either expressed or implied. This map

is intended for use only at the published scale.

The Scottsburg Lowland / Muscatatuck Plateau Till Aquifer Subsystem is mapped only in

Based on data obtained from Scott County, potential aquifer materials within the glacial till include discontinuous intratill sand and gravel units. Because sand and gravel zones wells may be needed in places to increase the yield to an acceptable amount for domestic

The Ohio River Outwash Aquifer System covers portions of the main valley of the Ohio River. This valley carried great quantities of outwash from the melting glaciers during Wisconsin and pre-Wisconsin glacial periods. Only pre-Wisconsin ice sheets covered

the main river valley. As the glaciers melted, sediment was delivered to the Ohio River in quantities too large for the stream to transport. As a result, the increased sediment load retreating glaciers continued to provide sediment in quantities too large for the stream to

aquifer thickness (saturated sand and gravel) of the Ohio River Outwash Aquifer System ranges from about 25 to 100 feet, but the typical aquifer thickness is 35 to 85 feet. Static

aquifer system and has the potential to consistently meet the needs of high-capacity water registered significant groundwater withdrawal facilities (total of 49 wells) currently use

that lack overlying clay layers. The system is only moderately susceptible where it is

The Ohio River Outwash Aquifer Subsystem is mapped parallel and adjacent to the Ohio River Outwash Aquifer System where the topographic position is higher and thickness of addition, aquifer sand and gravels are generally overlain by thicker deposits of silt and

the needs of domestic and some high-capacity users. This system is generally 25 to 70 feet thick, with 50 feet of continuous sand and gravel in places. The few reported wells utilizing this system in the county are 33 to 97 feet deep. Reported well yields range Currently, there is one registered significant groundwater withdrawal facility (1 well) that

Areas within this aquifer system that have overlying clay or silt deposits are moderately