



SAND AND GRAVEL RESOURCES OF MACON COUNTY, ILLINOIS

by

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EXPLANATION

- Lower terrace sand and gravel: Predominantly sand with little gravel coarser than 2 inches in diameter; generally ranges from 10 to 30 feet thick and overlain by 5 to 10 feet of silts and clays.
- Recent alluvium overlying sand and gravel: Areas believed to be underlain in part by sand and gravel, principally in the Sangamon River Valley; ranges from 10 to 40 feet thick in Sangamon River Valley, 5 to 15 feet thick in the tributaries; overburden of silts and clays ranges from 5 to 10 feet thick.
- Sand and gravel overlain by glacial till: Sand and gravel deposits that are exposed along the Sangamon River but extend beneath the glacial till of the uplands; minimum thickness of 15 feet; overlain by 10 to 20 feet of glacial till.
- Hills (kames) and ridges (ice-channel fillings) of sand and gravel: Sand and fine to coarse gravel with wedges of till and frequent layers and lenses of silt; thickness extremely variable but generally greater than 30 feet; overburden varies with age of deposit; hills and ridges (Illinoian) in southwestern portion of county have an overburden of 10 to 20 feet thick resulting from the intense weathering (Sangamon profile); kamic and other ice-contact deposits in area of Shelbyville till (Wisconsinan) are overlain by 5 to 10 feet of silts.
- Outwash plains: Areas known or believed to be underlain by sheet-like deposits consisting mainly of silts and sands with local sand and fine gravel less than 5 feet thick; generally 8 to 10 feet of overburden.
- Other sand and gravel: Re-entrants and alluvial fans near or within the margins of the Shelbyville Moraine; sand and fine gravel greater than 5 feet thick and overlain by 5 to 15 feet of silts and clays or mud-flow deposits.
- Sand dunes: Sand ranging in thickness from 5 to 20 feet with less than 5 feet of overburden; underlain in part by sand and fine gravel of the Sangamon River lower terrace deposits.
- Areas generally devoid of sand and gravel: Areas generally underlain by Wisconsinan till east of the Shelbyville Moraine and Illinoian till west of the Shelbyville Moraine.
- Outer margin of Shelbyville and Cerro Gordo Moraines
- Test auger holes for this study
- Borings by the Illinois Division of Highways, District 5, Paris, Illinois, office
- Water-well records
- Sand and gravel pit (active)
- Sand and gravel or sand pit (inactive or abandoned)
- Sand and gravel or sand pit locations taken from Brown (1930)

