Surficial Geologic Map of the Hebron 7.5 Minute Quadrangle

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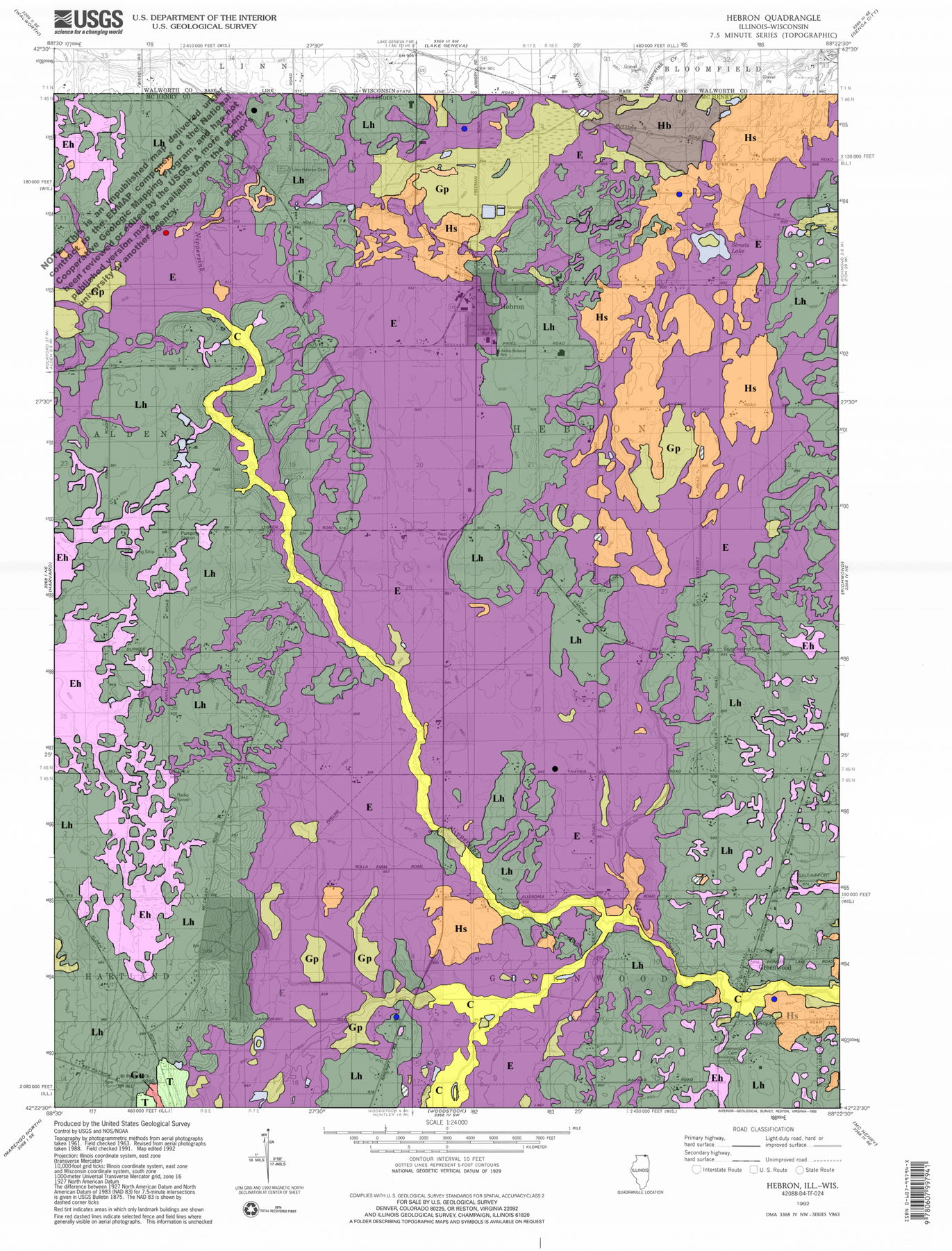

Map Units and Descriptions

Hudson Episode (Holocene)

- **C** **Cahokia Alluvium-** Alluvium; Primarily silt and sand or coarser sediment reworked from Wisconsin Episode outwash.
- **Gp** **Grayslake Peat-** Peat and organic rich fluvial or lacustrine sediment deposited in glacial and Holocene lake basins or on shallow gradient flood plains.

Wisconsin Episode

Wedron Group

- **Lh** **Haeger Member (Lemont Fm.)-** The coarse grained uppermost unit of diamicton in the Lemont Formation. Consists of calcareous, light gray to gray, coarse textured (sandy loam) gravelly diamicton that contains lenses of sand, gravel, silt, and clay.
- **T** **Tiskilwa Formation-** The lowermost sequence of red to gray diamicton units in the Wedron Group. Consists of calcareous, red gray to gray, medium textured (clay loam to loam) diamicton that contains lenses of gravel, sand, silt, and clay.

Mason Group

- **E** **Equality Formation-** Red silt and clay lacustrine sediments. Consists of brown to gray to red bedded silt and clay that is similar in grain size and lithology to the Wedron Group.
- **Hs** **Surficial Tongue (Henry Fm.)-** Stratified sand and gravel from the Woodstock Phase proglacial outwash. Occurs solely at land surface.
- **Hb** **Beverly Tongue (Henry Fm.)-** Stratified sand and gravel of the Henry Formation that extends beneath the Haeger Member diamicton of the Lemont Formation. Consists of fingers and lentils of medium to coarse grained, stratified sediments.
- **Eh** **Equality (H) Formation-** The lacustrine sediment filling the hummocky depression on top of the Haeger diamicton of the Lemont Formation.

Illinois Episode

- **Gu** **Glasford Formation, undiv.-** Subglacial silt to sandy loam diamicton deposits of the Illinois Episode.

Other

- **D** **Disturbed Land-**Land which has been altered or modified by human activity.
- **W** **Open Water-**Water found at land surface.

- **MC/NIPC Borings**
- **2009 ISGS Boring**
- **2008 ISGS and USACE Borings**
- **Geologic Contact**