

Title: Pigeon Creek

Location: Exposures in roadcuts and streams cuts along County Highway "N" in the SE $\frac{1}{4}$ , NE $\frac{1}{4}$ , Sec. 19, T.4N., R.3W., Grant County (Hurricane 7.5-minute topographic quadrangle, 1962).



Author: M. E. Ostrom

Description: Description begins at top with lower massive bed of dolomite and extends downward to the St. Peter Formation.

#### ORDOVICIAN SYSTEM

##### Platteville Formation

Pecatonica Member (1.8 feet)

21.5' - 23.3'	1.8'	Dolomite, buff, dense in upper part, slightly porous in lower 10": Phosphatic nodules abundant in lower 10".
---------------	------	--------------------------------------------------------------------------------------------------------------

##### Glenwood Formation

Hennipen Member (1.8 feet)

21.4' - 21.5'	0.1'	Shale, weathers green, otherwise very dark brown and blocky. Slakes easily.
---------------	------	-----------------------------------------------------------------------------

19.7' - 21.4'      1.7'      Shale, grayish brown, dolomitic, thinly laminated, blocky fracture (yeast-like). Estimated 50% carbonate.

Harmony Hill Member (2.2')

19.5' - 19.7'      0.2'      Shale, iron-rich; phosphatic grains and orange and black specks.

17.5' - 19.5'      2.0'      Shale, bright greenish gray in upper 10" changing to light gray in middle and to yellowish gray at base. Laminated and at top,                      and unlaminated in base part. Yellow clay slakes easily; green clay slakes.

Nokomis Member (2.5 feet)

17.0' - 17.5'      0.5'      Sandstone, limonite-centered, hard, forms ledge of irregular thickness; burrowed.

15.5' - 17.0'      1.5'      Sandstone, hard, limonite- and dolomite-silty.                      bed. Burrowed.

15.0' - 15.5'      0.5      Sandstone, coarse-grained to conglomerative, white to very light gray, slightly irregular base with staining below.

St. Peter Formation

0.0' - 15.0'      15'+      Sandstone, very light gray, medium and coarse-grained, well-sorted, thick-bedded.

BASE OF EXPOSURE

Significance: Exposure of section similar to that seen at Bridgeport West stop.

Note the individual units. Are they distinct and persistent? Recall exposures seen at Viroqua/Readstown and Bridgeport West stops. How do they compare with this exposure? Have you seen the phosphatic pebbles before? What do they signify?

References: Ostrom 1969.