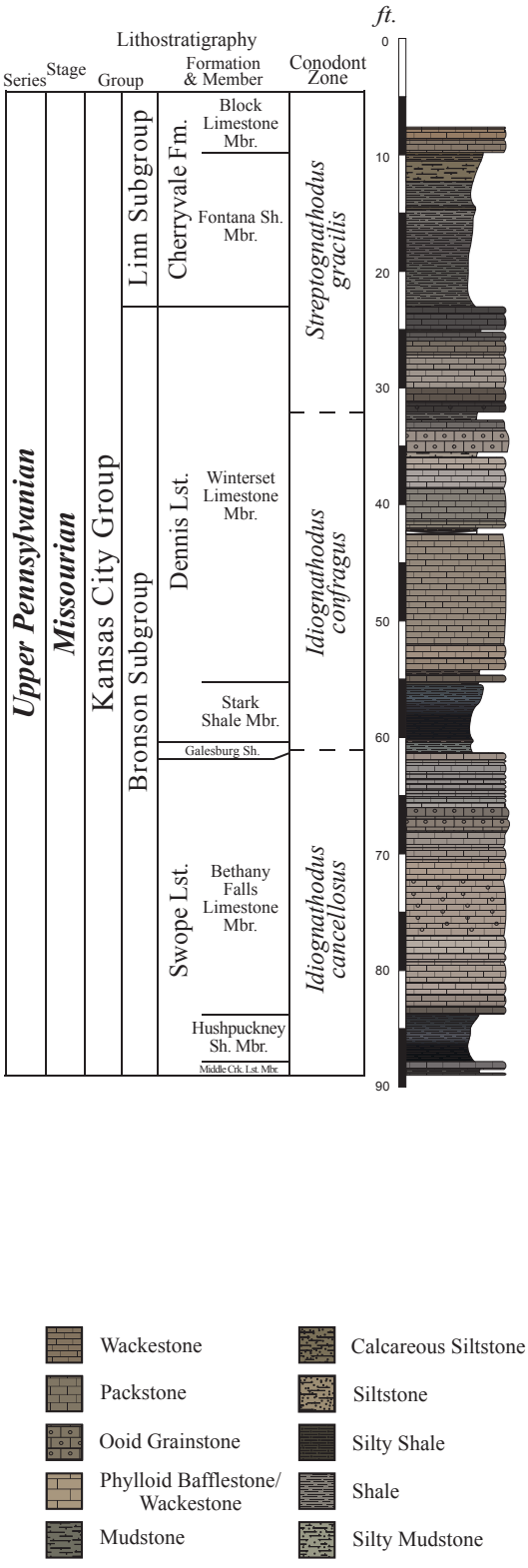
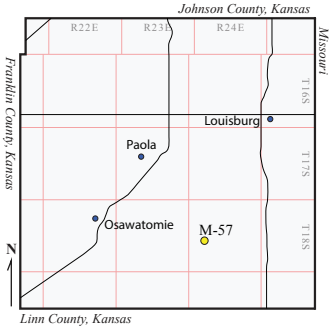
KDOT: M-57 Core, Miami County, NE Kansas



Core Logged and Illustrated by: Stephan C. Oborny, University of Iowa

KID: 1035180095
Location: T18S R24E, Sec. 20 SE SE NW
Longitude: -94.7803889°
Latitude: 38.4702704°
Elevation: 942 GL
Total Depth: 89 feet
Note: W. side of Renner Rd., ~ 0.5 mi S. of 358th Rd.



Fe-Staining: None

Cherryvale Fm.: (Total Thickness: 15.55 ft.)
Block Limestone Mbr.: (7.58-9.79 ft.)
Wackestone
Fontana Shale Mbr.: (9.79-23.13 ft.)
Shale <Fossiliferous> (9.79-10.0 ft.)
Shale (10.0-10.5 ft.)
Mudstone (10.5-12.38 ft.)
Shale (12.38-14.54 ft.)
Shale <Fossiliferous> (14.54-14.67 ft.)
Shale (14.67-22.58 ft.)
Shale <Fossiliferous> (22.58-23.13 ft.)
Dennis Lst.: (Total Thickness: 37.29 ft.)
Winterset Limestone Mbr.: (23.13-55.25 ft.)
Wackestone (23.13-25.06 ft.)
Shale <Fossiliferous> (25.06-25.25 ft.)
Wackestone (25.25-32.17 ft.)
<31.0-32.17 ft. Oolitic>
Shale <Fossiliferous> (32.17-32.75 ft.)
Wackestone (32.75-34.75 ft.)
Ooid Grainstone (34.75-35.54 ft.)
Mudstone <calcarious> (35.54-35.92 ft.)
Wackestone (35.92-42.08 ft.)
Shale (42.08-42.25 ft.)
Missing Core (42.25-42.42 ft.)
Wackestone (42.42-54.21 ft.)
Shale <Fossiliferous> (54.21-54.63 ft.)
Wackestone (54.63-55.25 ft.)
Stark Shale Mbr.: (55.25-60.42 ft.)
Shale <Fossiliferous> (55.25-55.42 ft.)
Shale (55.42-60.25 ft.)
Shale <Fossiliferous> (60.25-60.42 ft.)
Galesburg Shale: (Total Thickness: 0.91 ft.)
Shale (60.42-61.33 ft.)
Swope Limestone: (Total Thickness: 27.67 ft.)
Bethany Falls Limestone Mbr.: (61.33-83.63 ft.)
Wackestone (61.33-66.08 ft.)
<Abundant Stylolitization>
Ooid Grainstone (66.08-68.08 ft.)
Wackestone (68.08-83.63 ft.)
<Abundant Stylolitization>
<Oolitic; 73.21-78.38 ft.>
Hushpuckney Shale Mbr.: (83.63-87.88 ft.)
Shale <Black, Fissile>
Middle Creek Limestone Mbr.: (87.88-89.0 ft.)
Wackestone (87.88-88.42 ft.)
Shale <Fossiliferous> (88.42-88.63 ft.)
Wackestone (88.63-89.0 ft.)