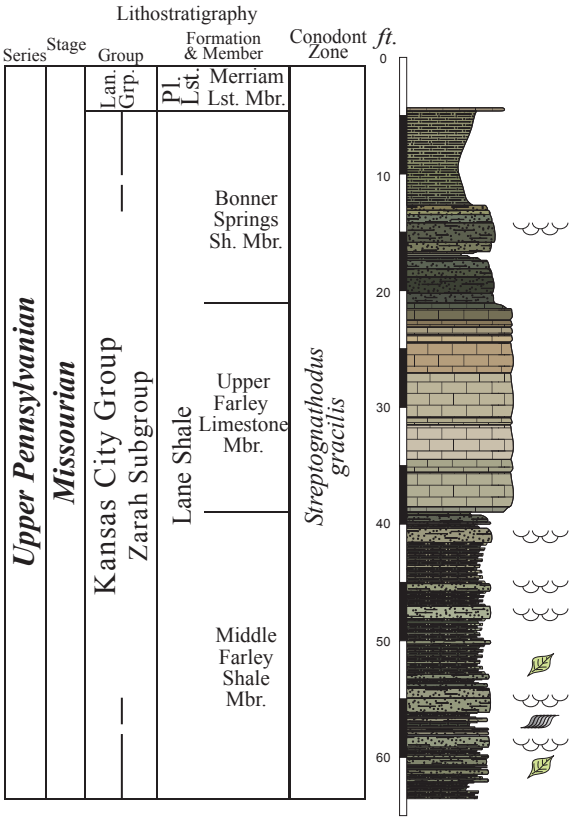
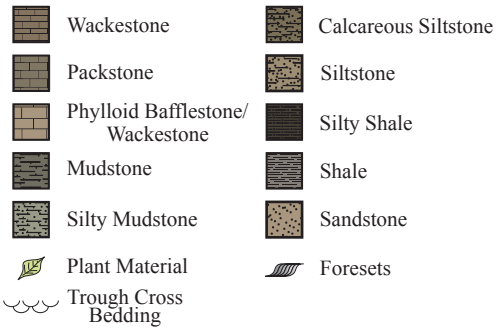
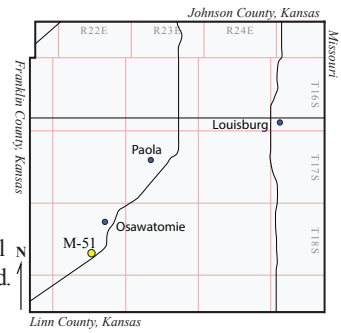
KDOT: M-51 Core, Miami County, NE Kansas





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

KID: 1035180093
Location: T18S R22E, Sec. 27 SW SW NW
Longitude: -94.9725535°
Latitude: 38.455877°
Elevation: 1065 GL QUAD
Total Depth: 65 feet
Note: E. side of Crescent Hill Rd., 0.1 mi N. of 371st Rd.



Fe-Staining: 4'4"- 4'7" (4.33-4.58 ft.); 16'2"-16'8" (16.17-16.67 ft); 22'0"-31'8" (22.0-31.67 ft.)

Plattsburg Limestone: (Total Thickness: 0.25 ft.)
Merriam Limestone Mbr.: (4.33-4.58 ft.)
Wackestone

Lane Shale: (Total Thickness: 58.75 ft.)
Bonner Springs Shale Mbr.: (4.58-21.08 ft.)
Silty Shale <Non Fossiliferous> (4.58-12.71 ft.)
Siltstone (Coarse, Trough Cross Bedding) (12.71- 16.71 ft.)
Silty Shale (16.71-16.83 ft.)
Shale (16.83-17.0 ft.)
Shale <Fossiliferous> (17.0-17.21 ft.)
Silty Shale (17.21-17.42 ft.)
Calcareous Siltstone (Course) (17.42-21.08 ft.)
Upper Farley Limestone Mbr.: (21.08-38.96 ft.)
Packstone <Argillaceous> (21.08-21.42 ft.)
Phylloid Bafflestone/Wackestone (21.42-38.46 ft.)
Wackestone (38.46-38.96 ft.)
Middle Farley Shale Mbr.: (38.96-63.33 ft.) (Trough Cross Bedding Throughout)
Silty Mudstone (38.96-39.21 ft.)
Calcareous Siltstone (Coarse) (39.21-39.83 ft.)
Siltstone (Coarse) (39.83-40.0 ft.)
Interbedded Silt/Shale (40.0-40.33 ft.)
Siltstone (Coarse) (40.33-41.5 ft.)
Interbedded Silt/Shale (41.5-45.08 ft.)
Siltstone (Coarse) (45.08-45.58 ft.)
Interbedded Silt/Shale (45.58-47.08 ft.)
Siltstone (Coarse) (47.08-47.29 ft.)
Calcareous Siltstone (Medium) (47.29-48.08 ft.)
Interbedded Silt/Shale (48.08-49.96 ft.)
Siltstone (Coarse) (49.96-50.29 ft.)
Interbedded Silt/Shale (50.29-52.92 ft.)
Siltstone (Coarse) (52.92-53.25 ft.)
Interbedded Silt/Shale (Plant Material) (53.25-53.58 ft.)
Siltstone (Coarse) (53.58-53.92 ft.)
Interbedded Silt/Shale (53.92-54.08 ft.)
Siltstone (Coarse) (54.08-56.17 ft.)
Interbedded Silt/Shale (56.17-56.58 ft.)
Siltstone (Coarse) (56.58-56.96 ft.)
Interbedded Silt/Shale (56.96-57.54 ft.)
Siltstone (Coarse, Foresets) (57.54-57.62 ft.)
Interbedded Silt/Shale (57.62-57.79 ft.)
Siltstone (Coarse) (57.79-58.08 ft.)
Interbedded Silt/Shale (58.08-58.25 ft.)
Siltstone (Coarse) (58.25-59.21 ft.)
Interbedded Silt/Shale (59.21-59.75 ft.)
Siltstone (Coarse) (59.75-60.12 ft.)
Calcareous Siltstone (Medium) (60.12-60.58 ft.)
Siltstone (Coarse) (60.58-60.67 ft.)
Interbedded Silt/Shale (60.67-60.75 ft.)
Siltstone (Coarse) (60.75-60.87 ft.)
Interbedded Silt/Shale (60.87-61.08 ft.)
Siltstone (Coarse; Plant Material) (61.08-61.42 ft.)
Interbedded Silt/Shale (61.42-61.83 ft.)
Siltstone (Coarse) (61.83-62.12 ft.)
Interbedded Silt/Shale (62.12-63.33 ft.)