

Outcrop-to-Subsurface Stratigraphic Correlations of the Upper Desmoinesian and Lower Missourian Stages (Pennsylvanian) in Eastern Kansas

Regional Assessment of Group Boundaries
from Type, Principal, and Neostratotype
Sections

Supplemental File 3

Sections Within One Township of Cross Sections

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Supplemental File 3: Sections Within One Township of Cross Sections

Supplemental File 3. Select lithostratigraphic type, principal (p. ref.), reference (ref.), and neostratotype (neo.) sections located within one township of cross sections (Supplemental File 4: Cross Sections A–I). Lithostratigraphic units in **red text** are included in table 2.

#	Designation	Section	Reference
1	Type	Altamont Limestone	Jewett (1941)
2	P. Ref.	Argentine Limestone Member	Heckel and Watney (2002)
3	Type	Bandera Shale	Jewett (1941)
4	P. Ref.	Bethany Falls Limestone Member	Heckel and Watney (2002)
5	Type	Block Limestone Member	Newell (1935)
6	Type	Bonner Springs Shale Member	Ver Wiebe and Vickery (1932)
7	P. Ref.	Bonner Springs Shale Member	Heckel and Watney (2002)
8	P. Ref.	Canville Limestone Member	Heckel and Watney (2002)
9	P. Ref.	Cement City Limestone Member	Heckel and Watney (2002)
10	Type	Chanute Shale	Moore (1936)
11	P. Ref.	Chanute Shale	Heckel and Watney (2002)
12	Type	Cherryvale Formation	see Heckel and Watney (2002)
13	Ref.	Cherryvale Formation	Heckel and Watney (2002)
14	P. Ref.	Upper Coffeyville Group	Heckel and Watney (2002)
15	Type	Critzer Limestone Member	Jewett (1932)
16	Regional P. Ref.	Desmoinesian-Missourian Stage boundary	Heckel et al. (2002)
17	Type	Dennis Limestone	Moore (1936)
18	P. Ref.	Dennis Limestone	Heckel and Watney (2002)
19	Ref.	Dennis Limestone Member	Heckel and Watney (2002)
20	P. Ref.	Dewey Limestone Member	Heckel and Watney (2002)
21	Type	Drum Limestone Member	Adams (1903)
22	P. Ref.	Drum Limestone Member	Heckel and Watney (2002)
23	P. Ref.	Exline Limestone Member	Heckel and Watney (2002)
24	P. Ref.	Lower Farley Limestone Member	Heckel and Watney (2002)
25	P. Ref.	Middle Farley Shale Member	Heckel and Watney (2002)
26	P. Ref.	Upper Farley Limestone Member	Heckel and Watney (2002)
27	Type Area	Fontana Shale Member	Newell (1935)
28	P. Ref.	Fontana Shale Member	Heckel and Watney (2002)
29	Type	Frisbie Limestone Member	Moore (1932), Newell (1935)
30	P. Ref.	Frisbie Limestone Member	Heckel and Watney (2002)
31	P. Ref.	Galesburg Shale	Heckel and Watney (2002)

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#	Designation	Section	Reference
32	Type	Guthrie Mountain Shale Member	Heckel and Watney (2002)
33	Type	Hepler Sandstone Member	Jewett (1940)
34	Neo.	Hepler Formation	Heckel and Watney (2002)
35	P. Ref.	Hepler Formation	Heckel and Watney (2002)
36	Type	Hertha Limestone	Adams (1903)
37	Neo.	Hertha Limestone	Heckel and Watney (2002)
38	Type	Hickory Creek Shale Member	Moore (1932), Newell (1935)
39	P. Ref.	Hickory Creek Shale Member	Heckel and Watney (2002)
40	Type	Idenbro Limestone Member	Jewett (1941, 1945)
41	Type	Iola Limestone	Haworth and Kirk (1894)
42	P. Ref.	Island Creek Shale Member	Heckel and Watney (2002)
43	Type	Laberdie Limestone Member	Jewett (1941)
44	Type	Labette Shale	Jewett (1941)
45	Type	Ladore Shale	Adams (1904)
46	P. Ref.	Ladore Shale	Heckel and Watney (2002)
47	Type	Lane Shale	Haworth (1895)
48	Neo.	Lane Shale	see Oborny et al. (2017)
49	Type	Lenapah Limestone	Ohern (1910), Jewett (1941)
50	P. Ref.	Liberty Memorial Shale	Heckel and Watney (2002)
51	Type	Lost Branch Formation	Heckel (1991)
52	Type	Mantey Shale Member	Heckel and Watney (2002)
53	Type	Merriam Limestone Member	Moore (1932), Newell (1935)
54	P. Ref.	Merriam Limestone Member	Heckel and Watney (2002)
55	Ref.	Memorial Shale	Jewett (1941)
56	Type Area	Mound City Shale Member	Moore (1932), Jewett (1932)
57	Type	Mound Valley Limestone	Adams (1903)
58	P. Ref.	Mound Valley Limestone	Heckel and Watney (2002)
59	Type	Muncie Creek Shale Member	Newell (1935)
60	P. Ref.	Muncie Creek Shale Member	Heckel and Watney (2002)
61	P. Ref.	Nellie Bly Formation	Heckel and Watney (2002)
62	Type	Norfleet Limestone Member	Jewett (1941)
63	Type Area	Noxie Sandstone Member	see Heckel and Watney (2002)
64	Type	Paola Limestone Member	Newell (1935)
65	P. Ref.	Paola Limestone Member	Heckel and Watney (2002)

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#	Designation	Section	Reference
66	P. Ref.	Plattsburg Limestone	Heckel and Watney (2002)
67	Type Area	Pleasanton Group	Haworth (1895)
68	Ref.	Pleasanton Group	Jewett et al. (1965)
69	P. Ref.	Quindaro Shale Member	Heckel and Watney (2002)
70	P. Ref.	Raytown Limestone Member	Heckel and Watney (2002)
71	P. Ref.	Shale Hill Formation	Heckel and Watney (2002)
72	Type	South Mound Shale Member	Jewett et al. (1965)
73	P. Ref.	South Mound Shale Member	Heckel (1991)
74	Type	Spring Hill Limestone Member	Moore (1932), Newell (1935)
75	P. Ref.	Spring Hill Limestone Member	Heckel and Watney (2002)
76	P. Ref.	Stark Shale Member	Heckel and Watney (2002)
77	P. Ref.	Swope Limestone	Heckel and Watney (2002)
78	Type	Tacket Formation	Jewett et al. (1965)
79	Neo.	Tacket Formation	Heckel and Watney (2002)
80	Type Area	Thayer coal bed	see Heckel and Watney (2002)
81	Type	Uniontown	Jewett (1932), Moore (1932)
82	P. Ref.	Vilas Shale	Heckel and Watney (2002)
83	Type Area	Walter Johnson sandstone	Jewett (1941)
84	Type Area	Wea Shale Member	Newell (1935)
85	Neo.	Wea Shale Member	Heckel and Watney (2002)
86	P. Ref.	Westerville Limestone Member	see Heckel and Watney (2002)
87	P. Ref.	Winterset Limestone Member	Heckel (1988)
88	P. Ref.	Worland Limestone Member	Jewett (1941)
89	Type	Wyandotte Limestone	Moore (1936)
90	P. Ref.	Wyandotte Limestone	Heckel and Watney (2002)
91	Type	Zarah Subgroup	Heckel (1992)