

CORRELATIONS AND SEQUENCE STRATIGRAPHIC INTERPRETATIONS OF LOWER AND UPPER (PART) SILURIAN STRATA ALONG CROSS SECTION C-C' [The cross section extends about 200 mi from Lake County, Ohio, to Clinton County, Pa. Locations of drill holes and measured section are shown in figure 2. Drill holes are identified in table 1.]

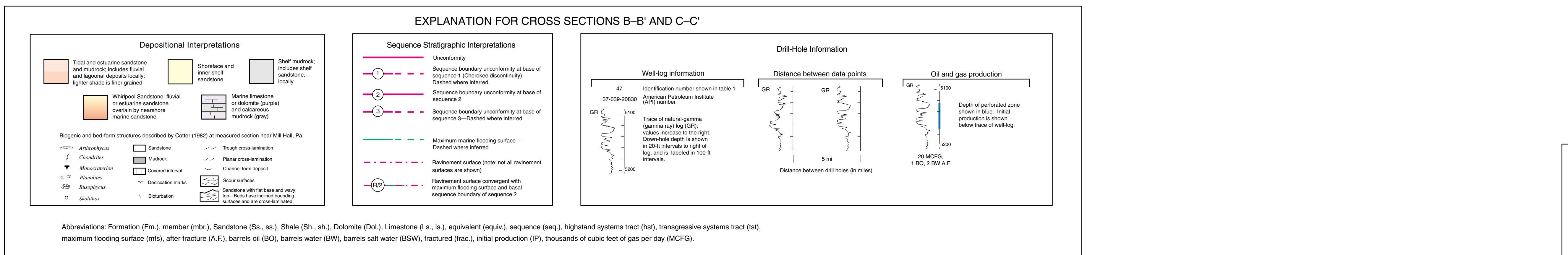


Table 1. Identification of drill holes investigated along sections B-B' and C-C'.

(Drill-hole locations are shown in figure 2. Abbreviations for all of the symbols used in this table are defined in figure 7. The letters in parentheses after the well name indicate the location of the well in the cross-section. The letters in parentheses after the well name indicate the location of the well in the cross-section. The letters in parentheses after the well name indicate the location of the well in the cross-section.)

Abbreviations: Formation (Fm.), member (m.), Sandstone (Ss.), Shale (Sh.), Dolomite (Dol.), Limestone (Ls.), equivalent (eq.), argillaceous (arg.), highland system (hs.), transgressive system (ts.).

Maximum flooding surface (mfs), other fracture (A.F.), barrels of (BO), barrels water (BW), barrels salt water (BSW), Restated (Rst.), Initial production (IP), thousands of cubic feet of gas per day (MCFG).

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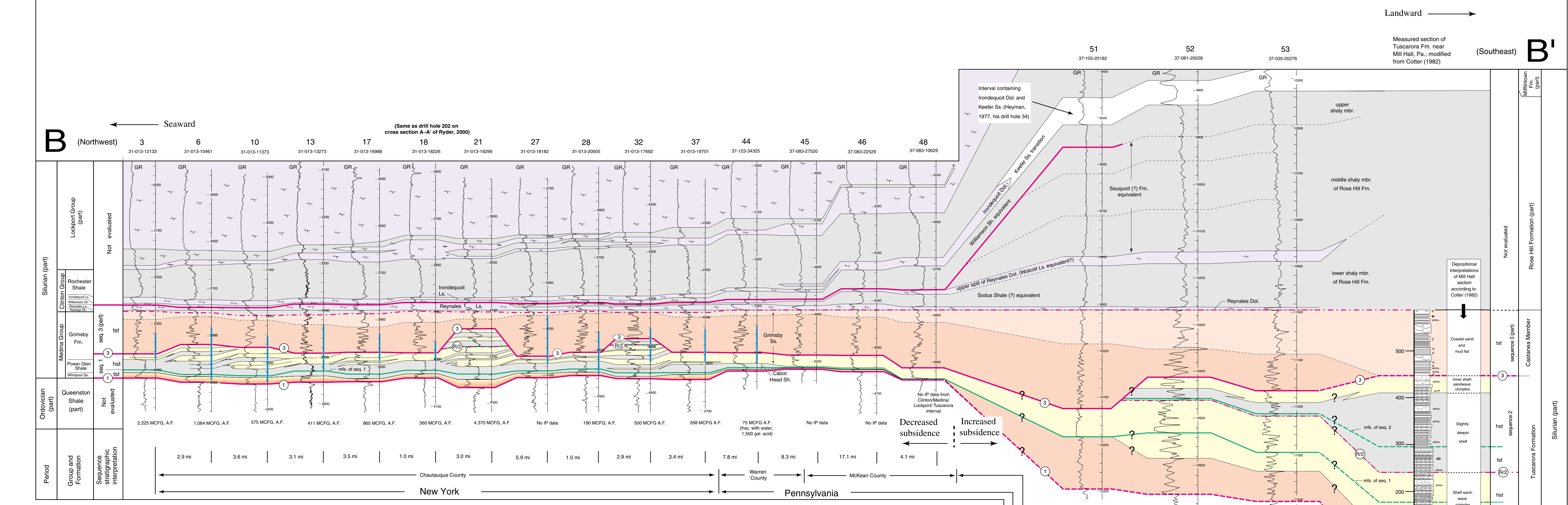
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CORRELATIONS AND SEQUENCE STRATIGRAPHIC INTERPRETATIONS OF LOWER AND UPPER (PART) SILURIAN STRATA ALONG CROSS SECTION B-B' [The cross section extends about 140 mi from Chautauque County, N.Y., to Clinton County, Pa. Locations of drill holes and measured section are shown in figure 2. Drill holes are identified in table 1.]

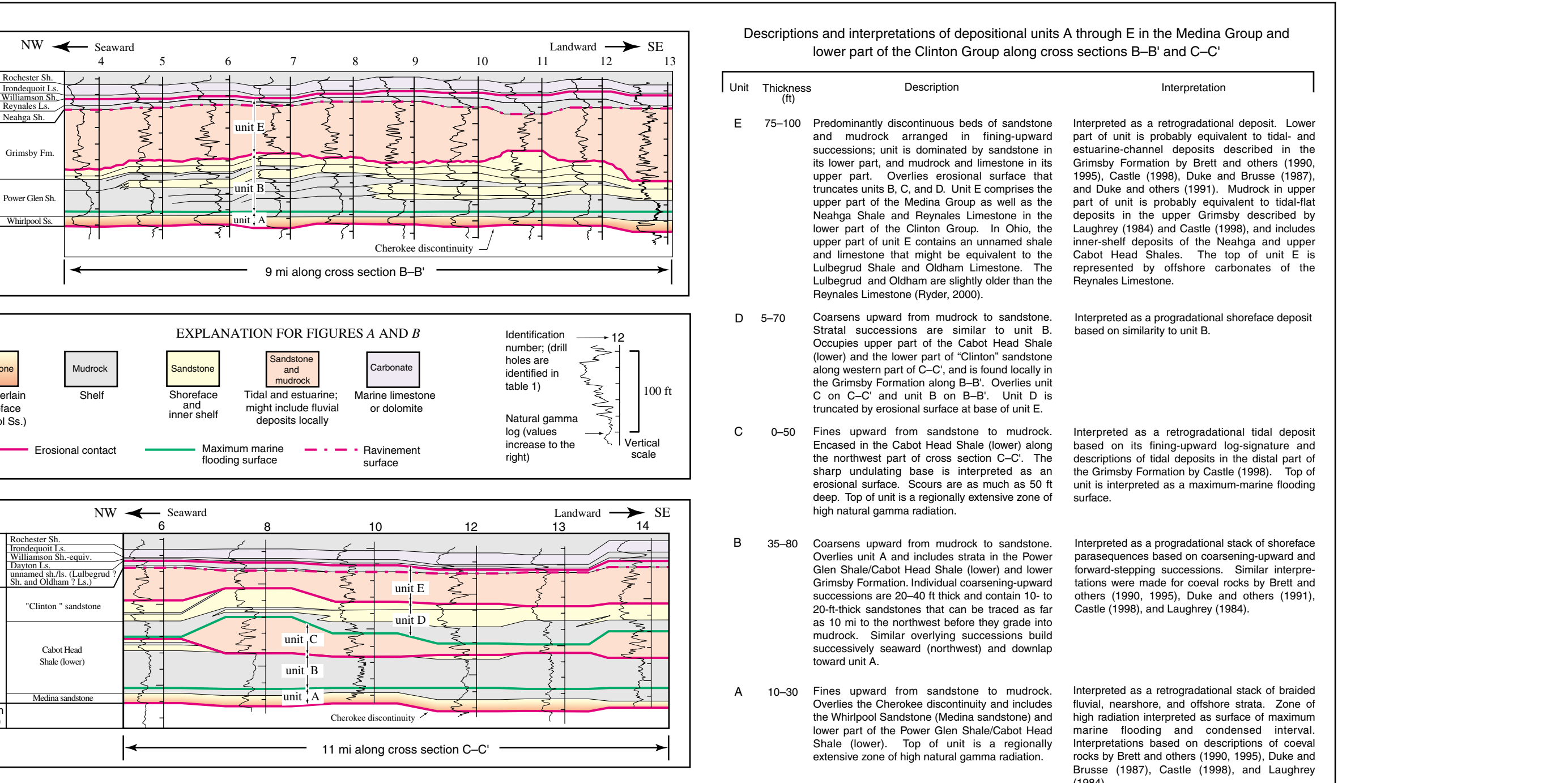


Figure 9. Depositional units in the Medina Group and lower part of the Tuscarora Group along cross sections B-B' and C-C'. The Medina Group is divided into five depositional units labeled A through E. The position of these units is significant to sequence stratigraphic interpretations made in this investigation. A. Diagram showing units A through E along 11 mi of cross section B-B'. Units A and B are shown along the landward portion of the cross section. B. Diagram showing units A through E along 11 mi of cross section C-C'. Unit C is shown along the landward portion of the cross section. C. Diagram showing units A through E along 11 mi of cross section C-C'. Unit D is shown along the landward portion of the cross section. D. Diagram showing units A through E along 11 mi of cross section C-C'. Unit E is shown along the landward portion of the cross section. E. Diagram showing units A through E along 11 mi of cross section C-C'. Unit F is shown along the landward portion of the cross section.

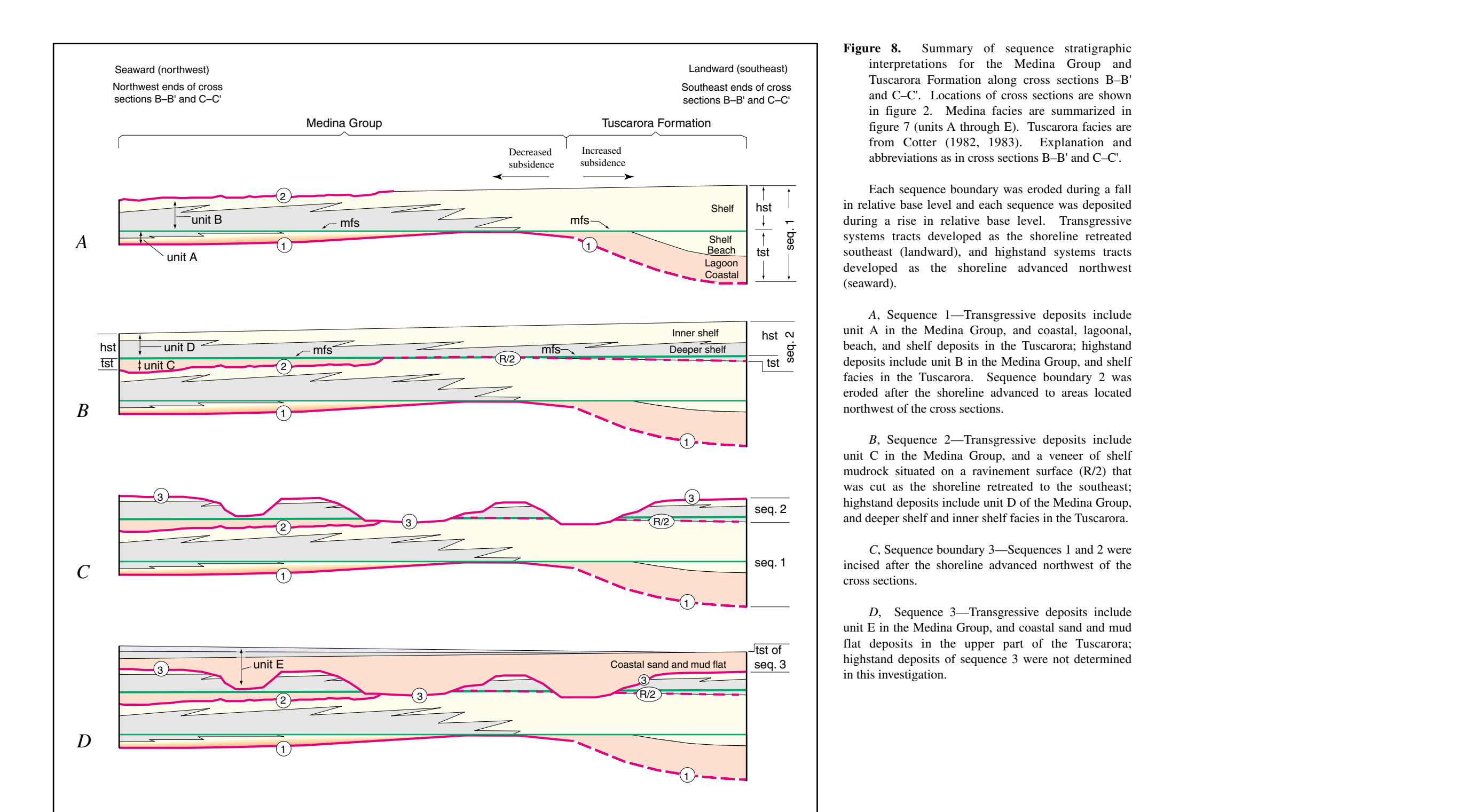


Figure 10. Summary of sequence stratigraphic interpretations for the Medina Group and Tuscarora Formation along cross sections B-B' and C-C'. Locations of cross sections are shown in figure 2. Median facies are summarized in figure 7 (units A through E). Tuscarora facies are from Carter (1982, 1983). Evaluation and abbreviations in a cross section B-B' and C-C'. Each sequence boundary was eroded during a fall in relative base level and each sequence was deposited during a rise in relative base level. Transgressive systems tracts developed as the shoreline advanced northwestward in the cross section.

SUBSURFACE CORRELATIONS AND SEQUENCE STRATIGRAPHIC INTERPRETATIONS OF LOWER SILURIAN STRATA IN THE APPALACHIAN BASIN OF NORTHEAST OHIO, SOUTHWEST NEW YORK, AND NORTHWEST PENNSYLVANIA

By R.D. Hettinger

2001

CONVERSION FACTORS

1 foot (ft.)	0.3048	meters (m)
1 mile (mi.)	1.60934	kilometers (km)