Figure 2.4-36— ESWEMS Schematic Layout

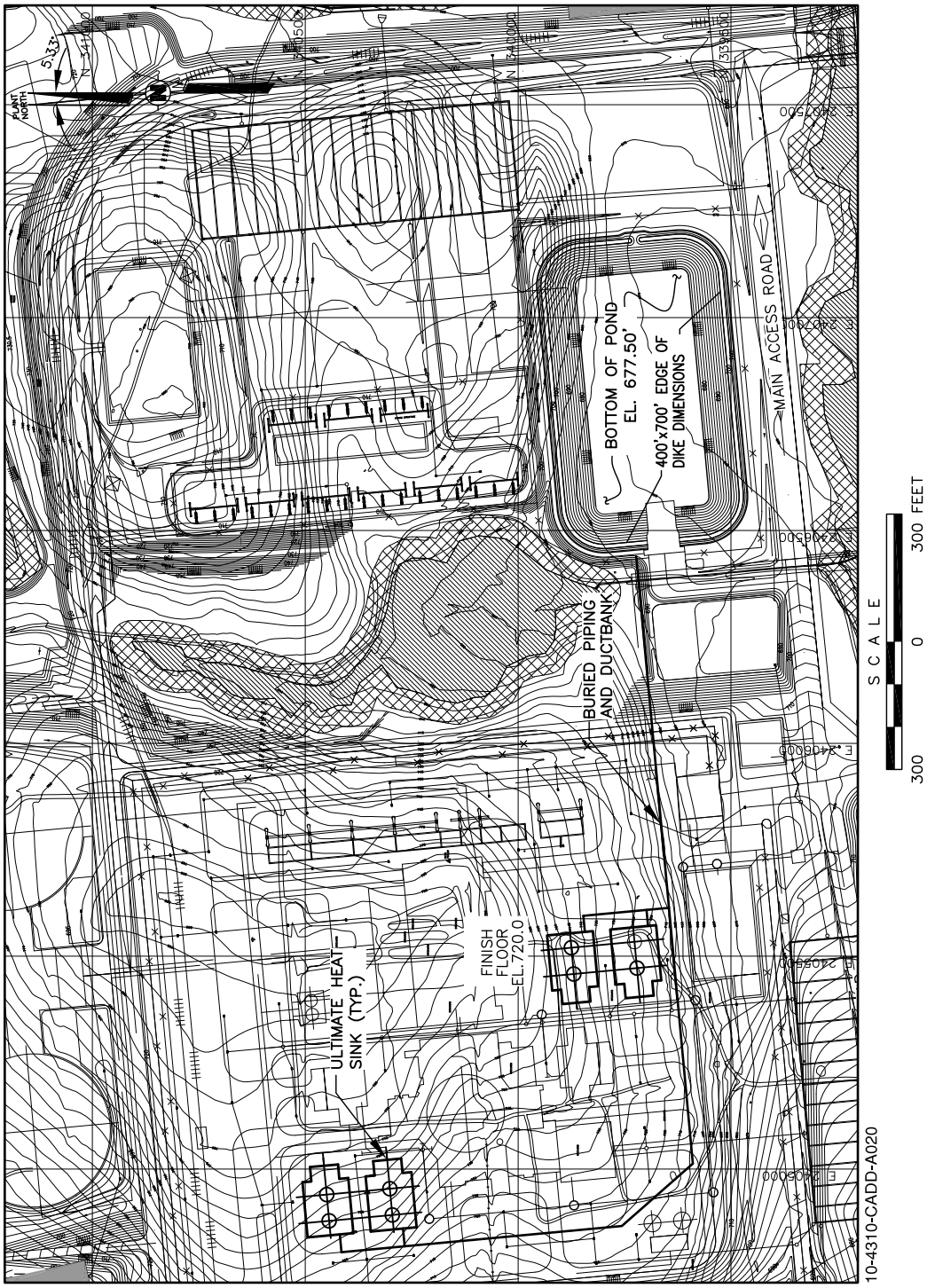

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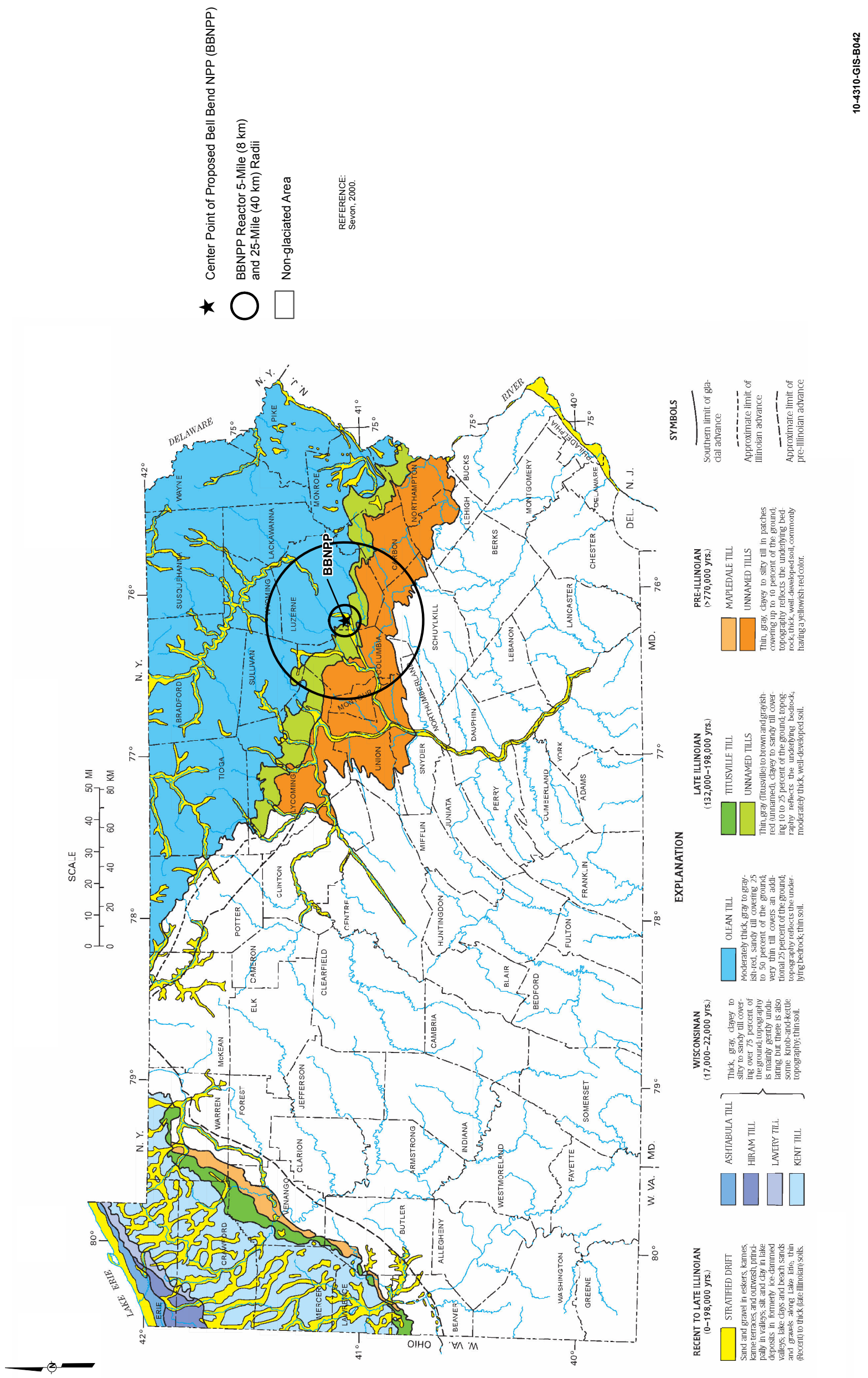
Figure 2.4-37— {Glacial Deposits of Pennsylvania, 25-mile (40 km) and 5-mile (8 km) Radii}



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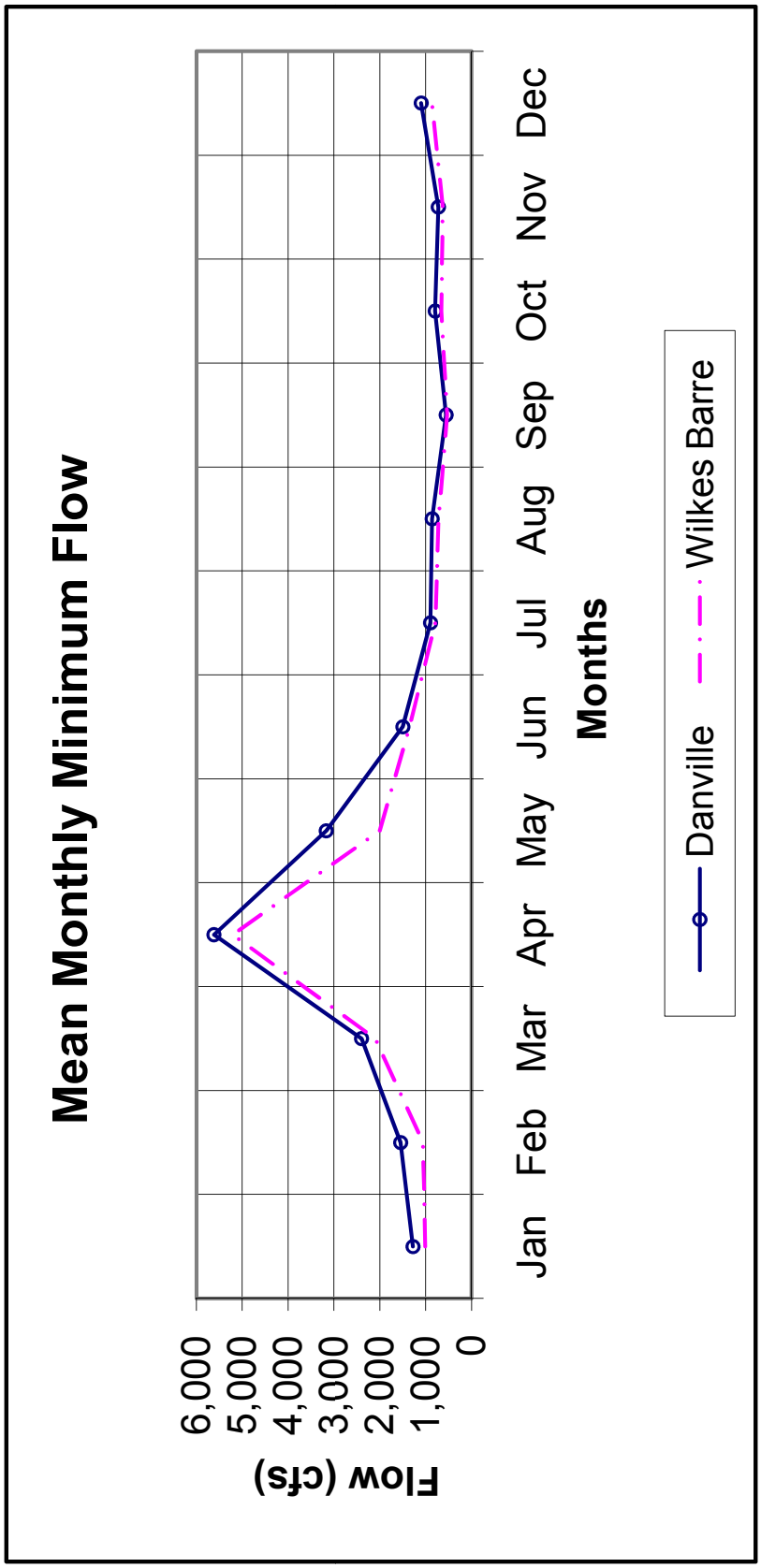

Figure 2.4-38— {Mean Monthly Minimum Streamflows, 1905 to 2006}

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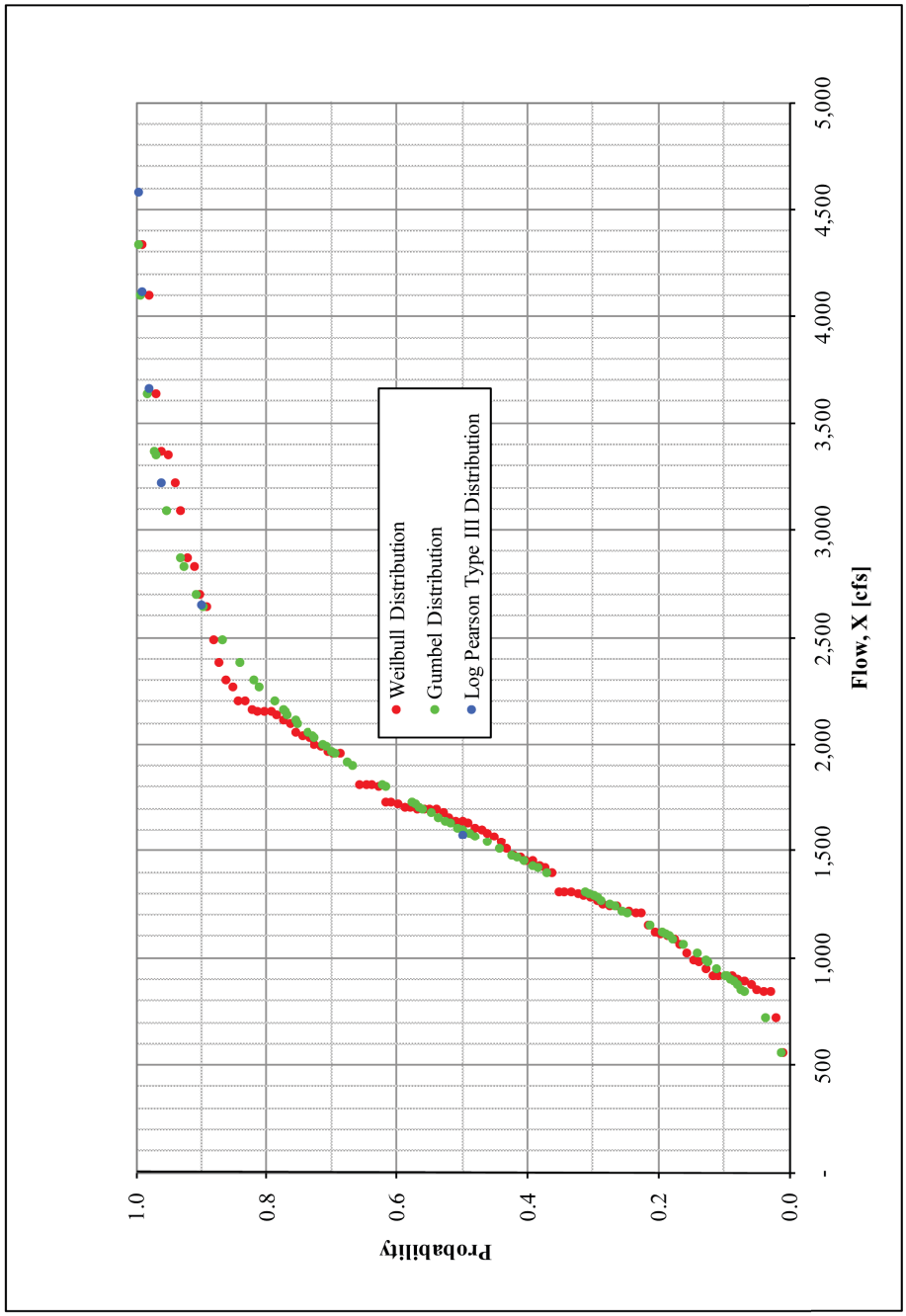
Figure 2.4-39— {Low Flow Frequency Distribution for Danville Station}



10-4310-GIS-A270

Reference: USGS, 2008b.

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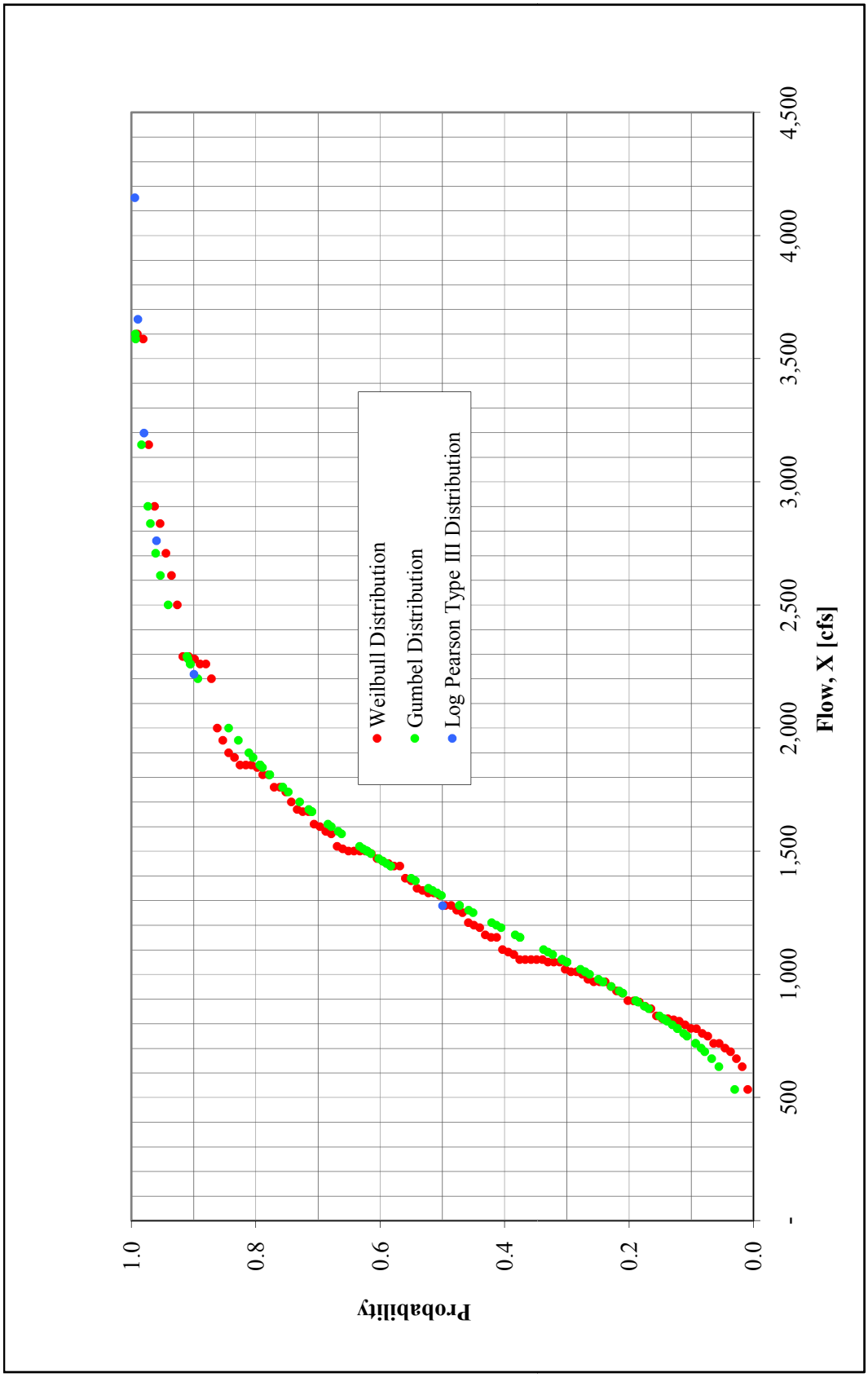
Figure 2.4-40— {Low Flow Frequency Distribution for Wilkes-Barre Station}



Reference: USGS, 2008a

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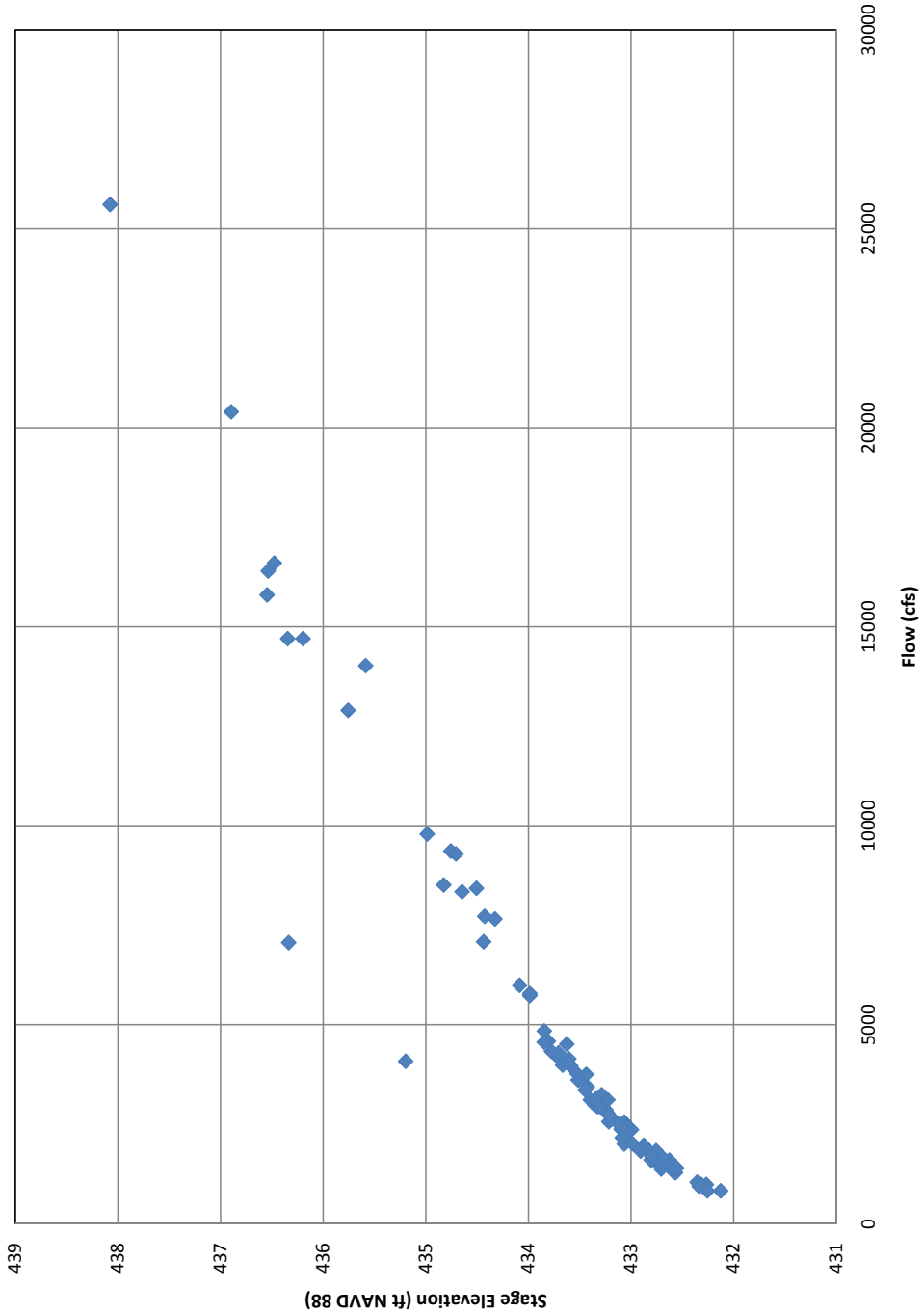
Figure 2.4-41— {Annual Minimum Low Flow Stage-Discharge Curve for Danville Station}



Reference: USGS, 2008e

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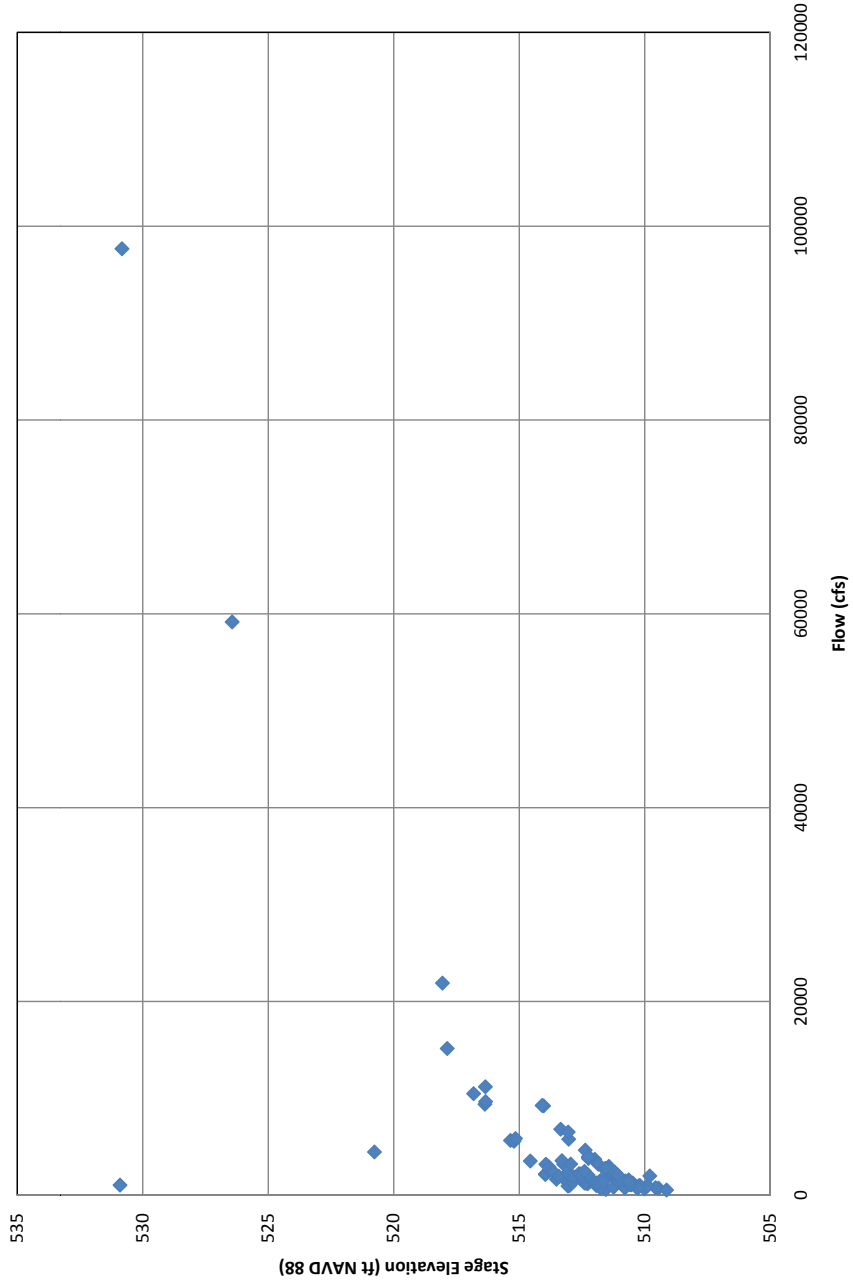
Figure 2.4-42— {Flow Discharge {Annual Minimum Low Flow Stage-Discharge Curve for Wilkes-Barre Station}



Reference: USGS, 2008f

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Figure 2.4-43— {30-Day Moving Average for Danville Station}

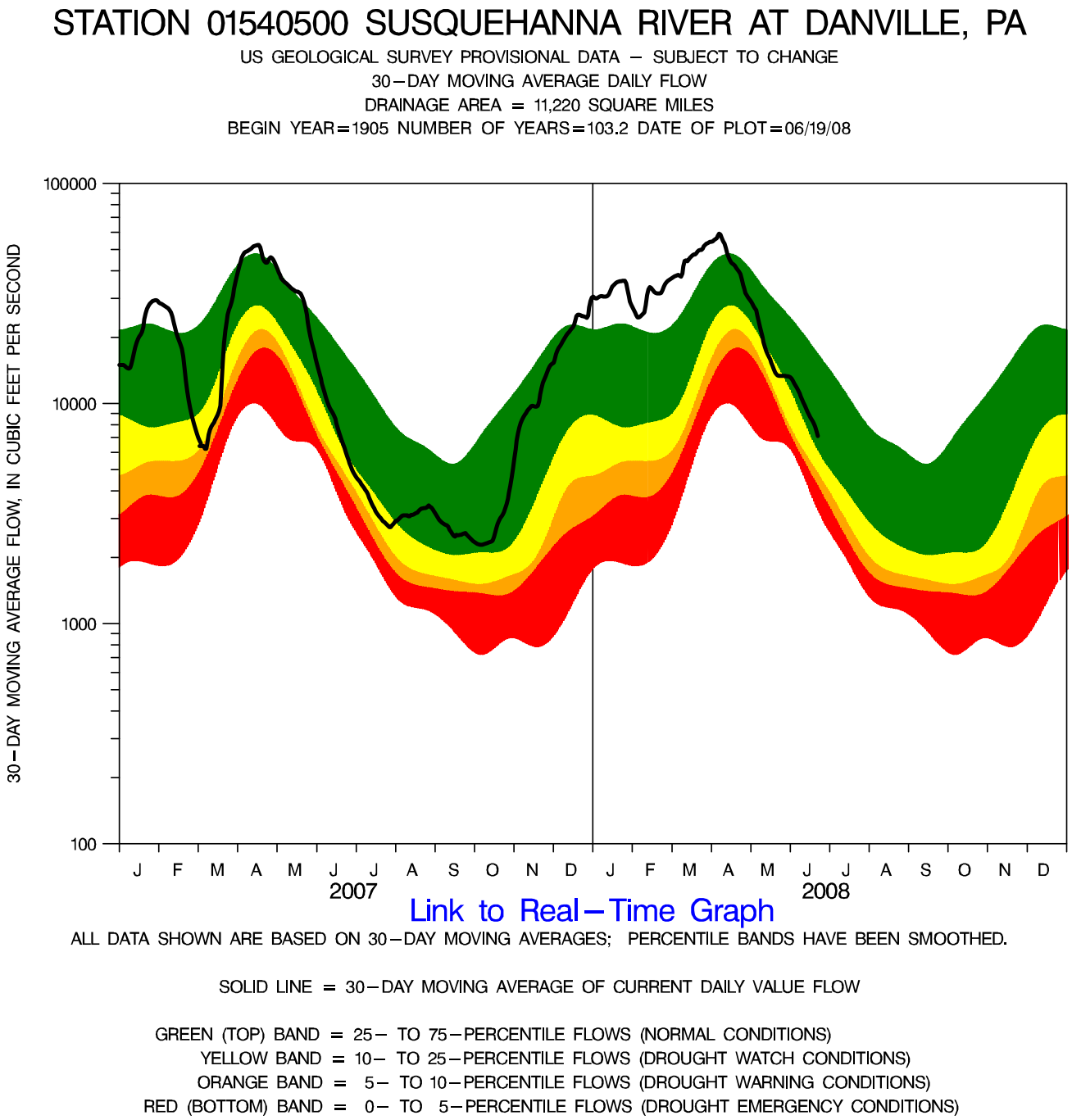

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Figure 2.4-44— {30-Day Moving Average for Wilkes-Barre Station}

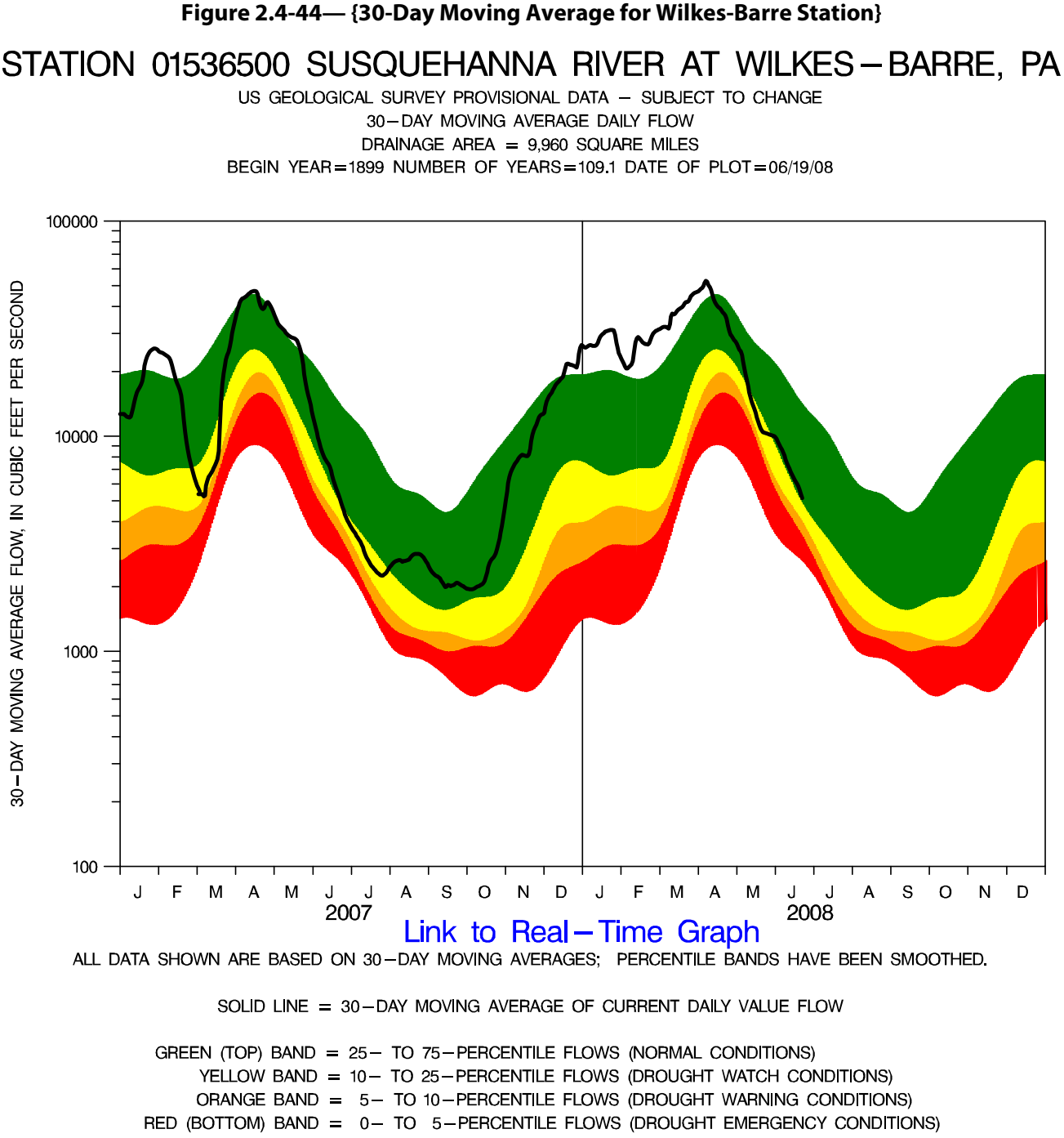

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Figure 2.4-45— {Geologic Map of the BBNPP Site and Vicinity}

LEGEND:

★ Proposed Center Point of Bell Bend NPP

Additional legend information for this figure is presented in Figure 2.4-50.

REFERENCE:
Inners, 1978.

0 305 610 Meters
0 2,000 4,000 Feet

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Figure 2.4-46— {Stratigraphy and Geologic Cross Section of Berwick Anticlinorium}

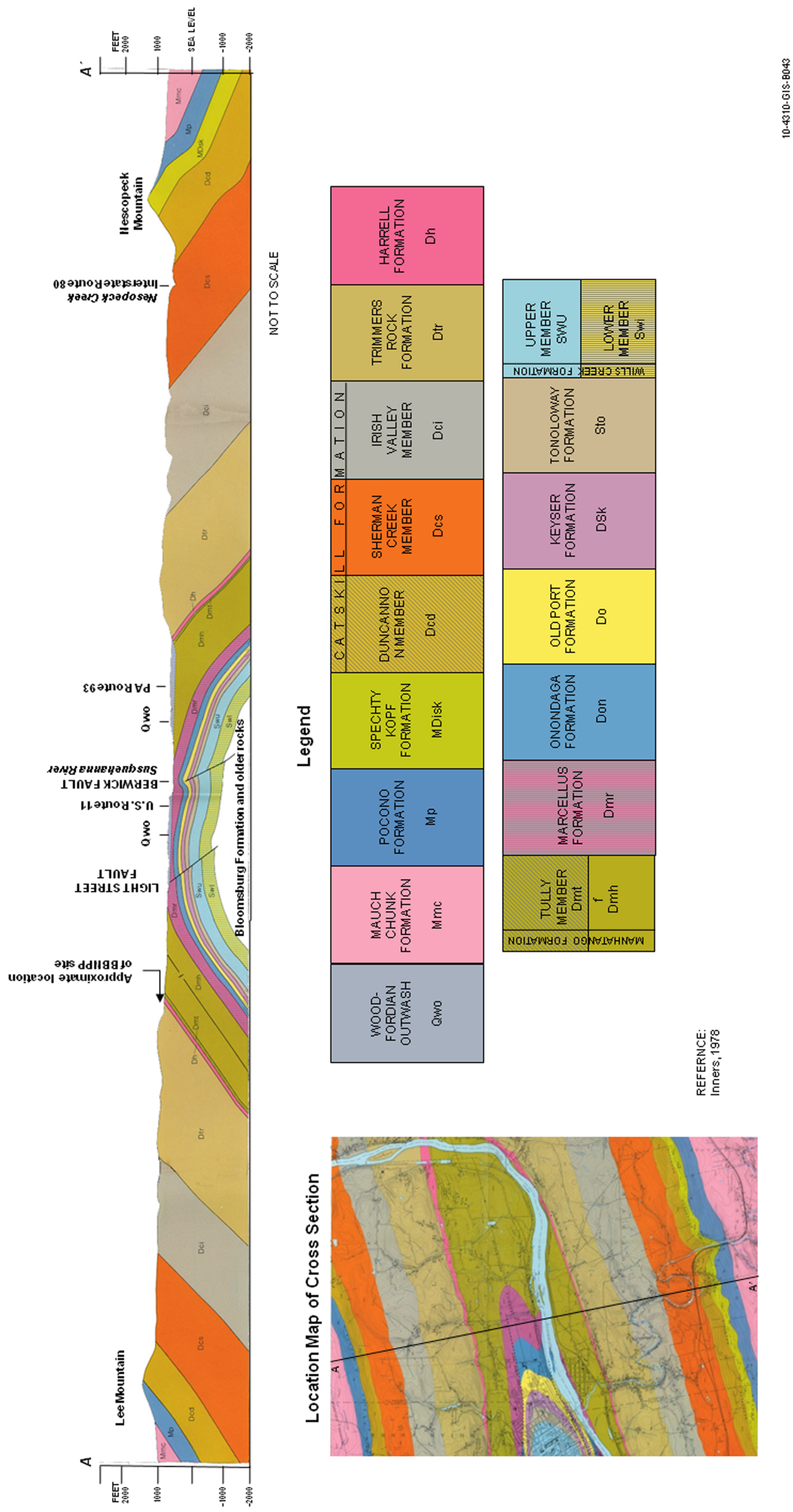

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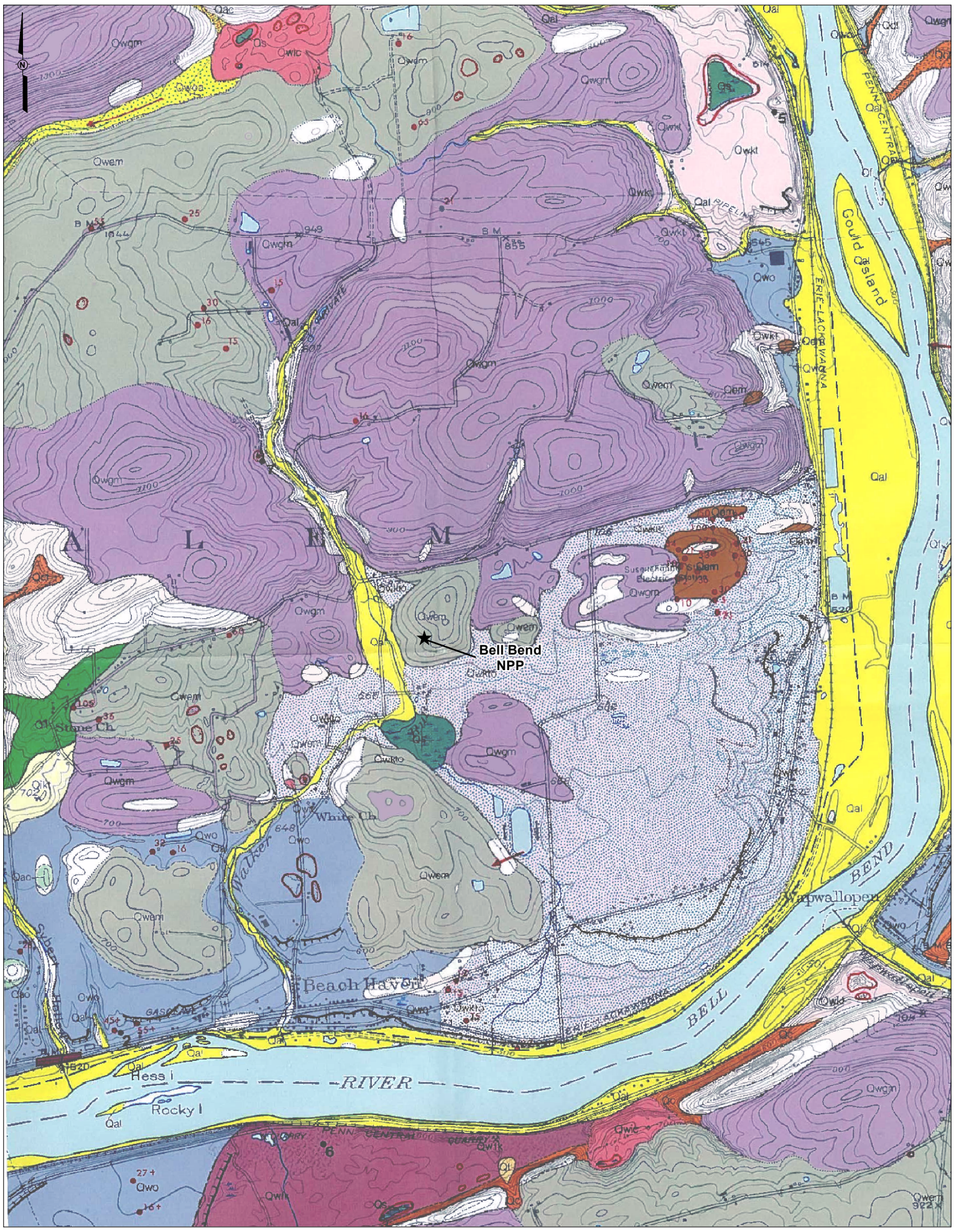
Figure 2.4-47— {Surficial Deposits in the BBNPP Site and Vicinity}



LEGEND:

★ Proposed Center Point of Bell Bend NPP

Additional legend information for this figure is presented in Figure 2.4-52.

REFERENCE:
Inners, 1978.

0 305 610 Meters
0 2,000 4,000 Feet

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Figure 2.4-48— {Legend for Figure 2.4-47}

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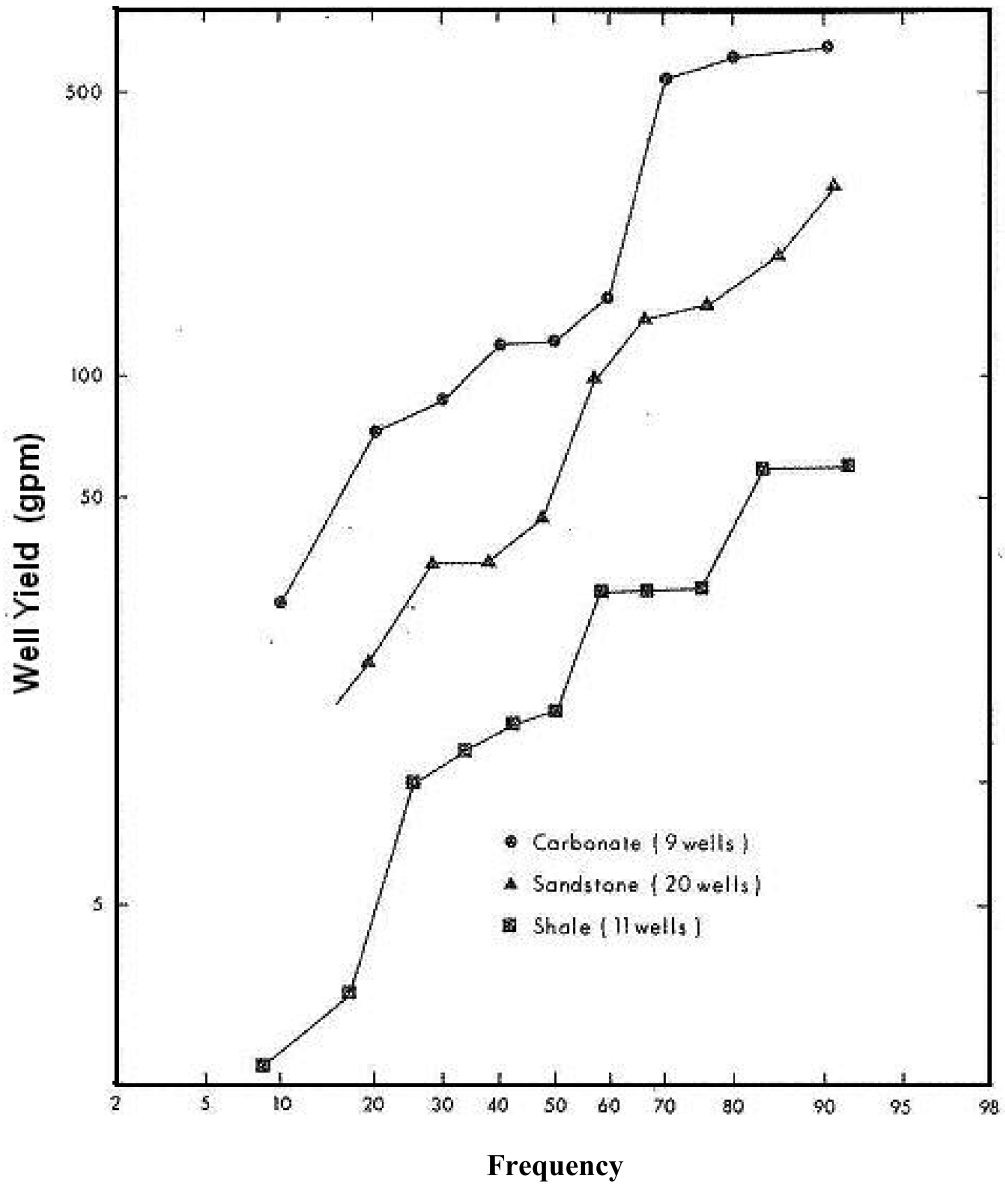
Figure 2.4-49— {Frequency Distribution of Nondomestic Well Yields Grouped According to Dominant Rock Type}



Reference: Taylor, 1984

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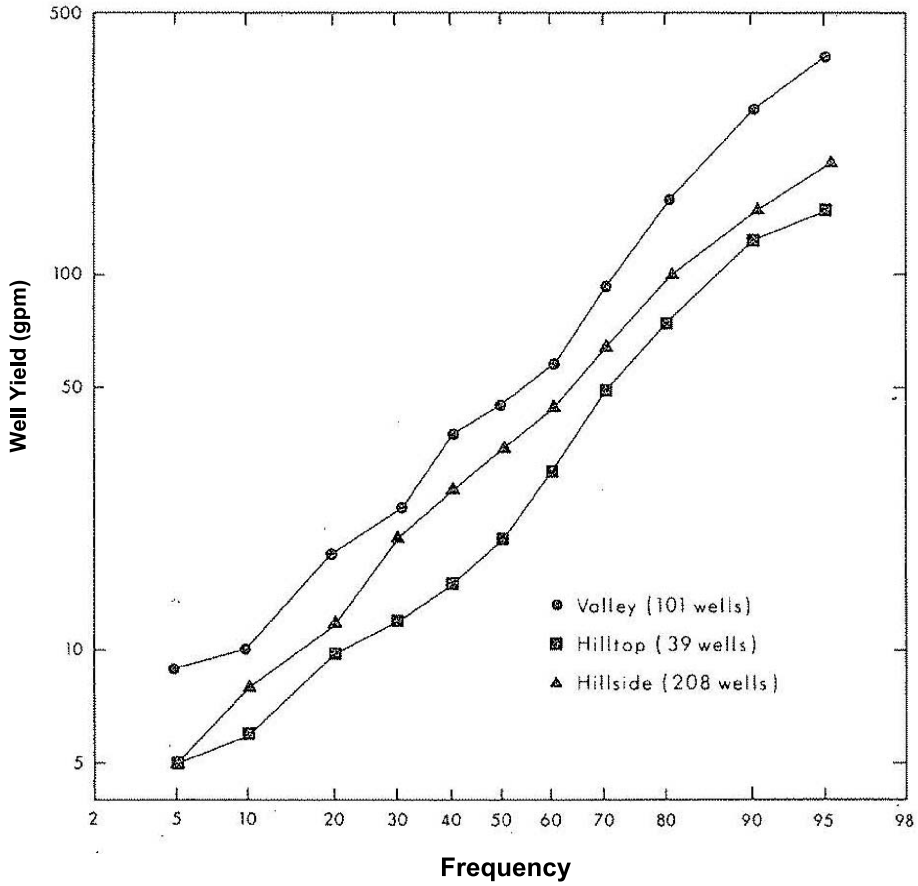
Figure 2.4-50— {Frequency Distribution of Nondomestic Well Yields Grouped According to Topographic Setting}



(percent of yield equal to or less than value shown)

Reference: Taylor, 1984

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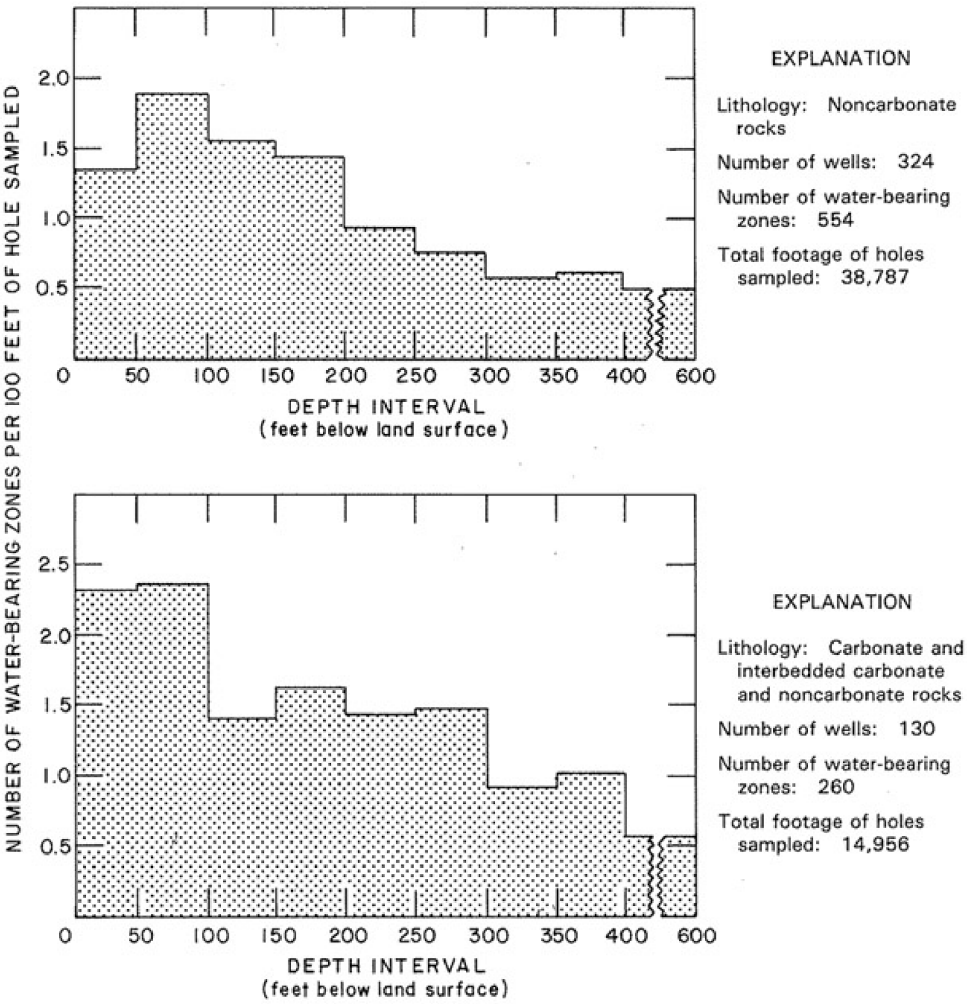
Figure 2.4-51— {Distribution of Water Bearing Zones with Depth}



Reference:
Williams, 1987.

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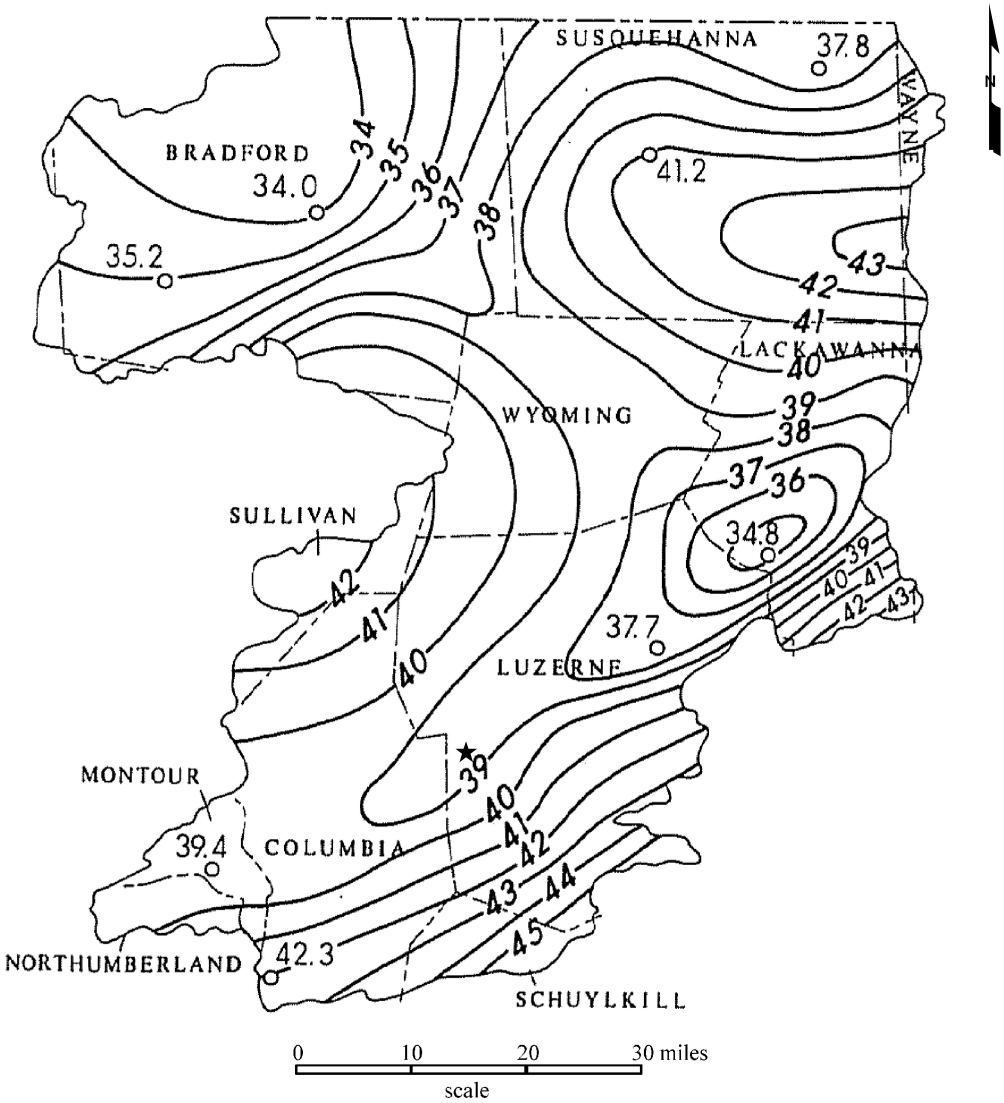
Figure 2.4-52— {Average Annual Precipitation in the NBSR Basin, 1941-1970}



○ Precipitation station and precipitation (inches).

40 Line of equal precipitation. Contour interval 1 inch.

Legend

★ BBNPP

REFERENCE:
Taylor, 1984.

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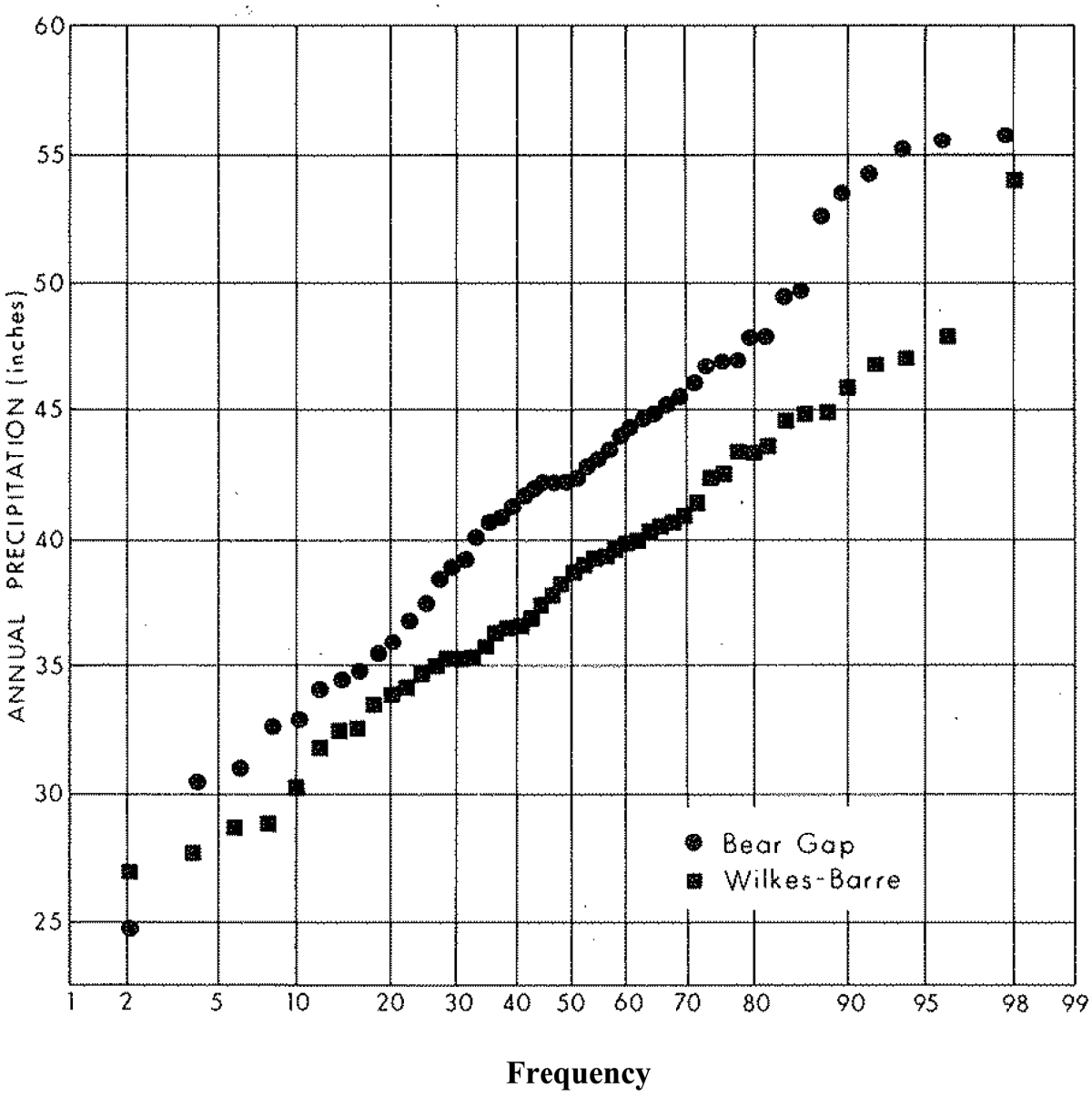
Figure 2.4-53— {Percent Frequency Distribution of Annual Precipitation in the Southern Part of the North Branch Susquehanna River Basin (1931-1980)}



Reference: Taylor, 1984

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Figure 2.4-54— {Locations of Drainage Basins Where Long-Term Water Budget Analyses Have Been Performed}

Reference: Taylor, 1984

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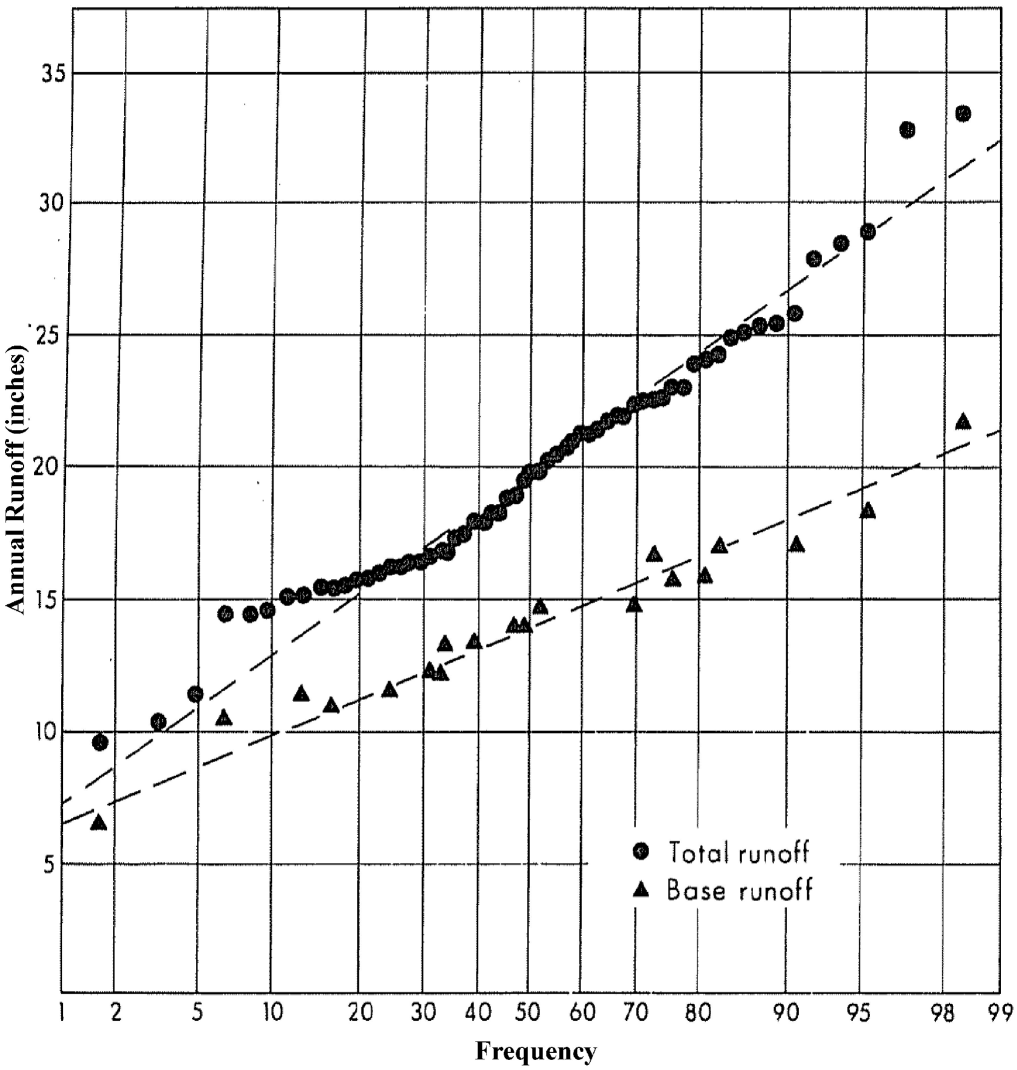
Figure 2.4-55— {Percent Frequency Distribution of Annual Runoff from Wapwallopen Creek, Pennsylvania 1931-1980}



REFERENCE:
Taylor, 1984.

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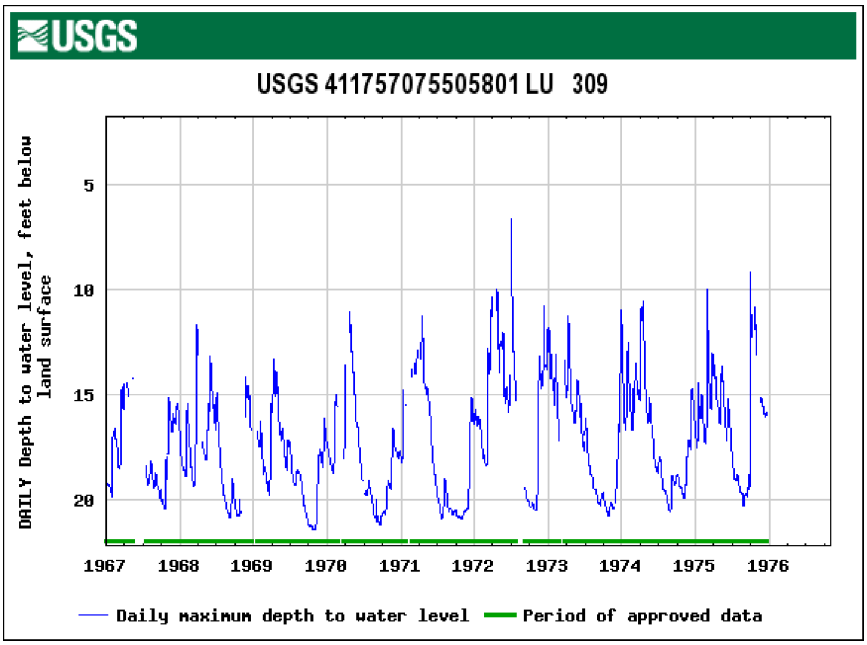
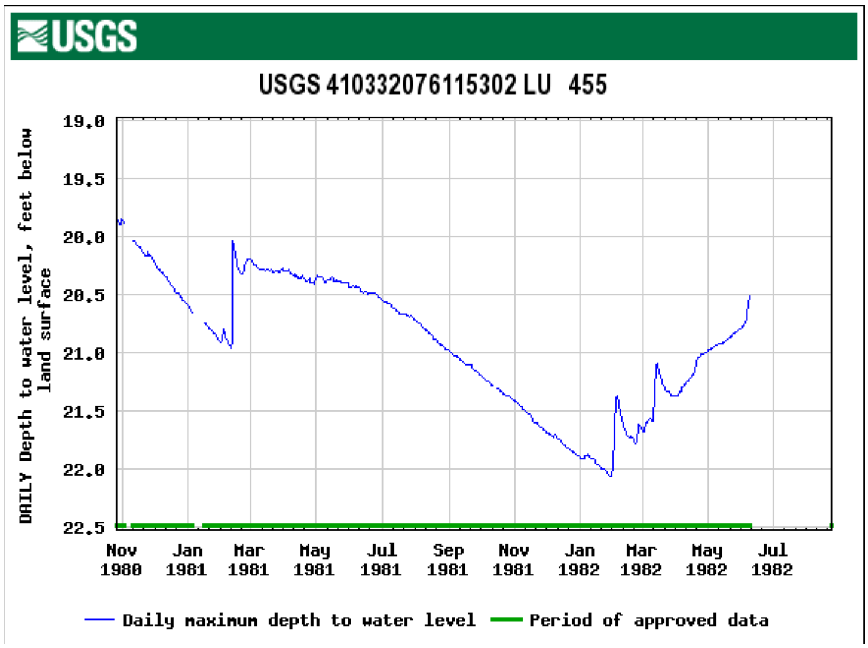
Figure 2.4-56— {Hydrographs of Two USGS Monitoring Wells in Luzerne County Screened in Glacial Overburden}





Reference: USGS, 2008j

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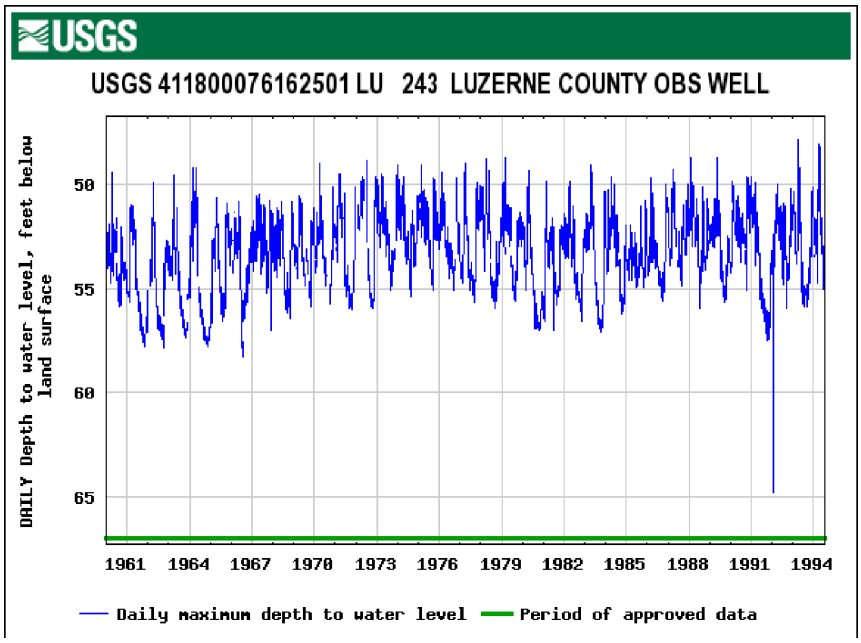
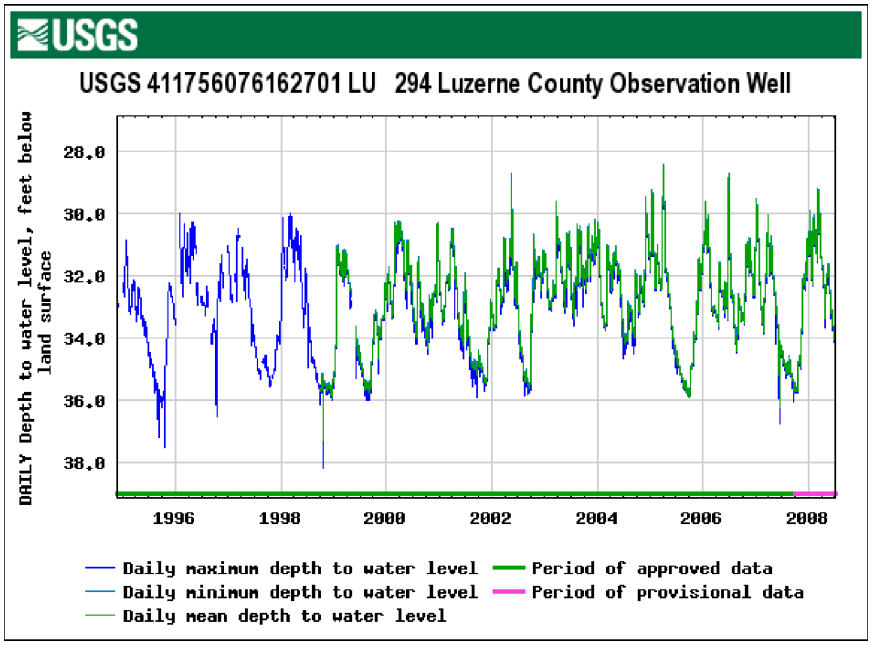
Figure 2.4-57— {Hydrographs of Two USGS Monitoring Wells in Luzerne County Screened in the Catskill Formation}





Reference: USGS, 2008j

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