

INTRODUCTION
Surficial materials in the Princeton quadrangle include wetland, hillside, and weathered deposits, as well as glacial till and glacial drift deposits. These materials occur within a landscape sculpted by two major episodes of valley incision and dissection, accompanied by terrace and drainage shifts. The deposits are delineated on the map and sections and are described in detail. The largest-scale erosion is the result of the terrace and drainage shifts. The largest-scale erosion is the result of the terrace and drainage shifts. The largest-scale erosion is the result of the terrace and drainage shifts.

ARTIFICIAL FILL DEPOSITS
Artificial fill deposits are shown on the map and sections. These deposits are the result of human activities and are not related to the natural geological processes. They are shown in various colors and patterns on the map.

DEPOSITS IN MODERN VALLEYS (Holocene and Pleistocene)
The Holocene and Pleistocene deposits in modern valleys are described in detail. These deposits include alluvium, terrace deposits, and other recent materials. They are shown in various colors and patterns on the map.

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MAP SYMBOLS
The map symbols are defined in this section. They include symbols for various geological features such as faults, erosion surfaces, and terrace deposits. The symbols are shown in various colors and patterns.

MUSTINE AND SANDSTONE COLLUVIUM, LOWER PHASE
The Mustine and Sandstone Colluvium, Lower Phase is described in detail. This deposit is composed of sandstone and siltstone and is found in various locations in the Princeton quadrangle.

MUSTINE AND SANDSTONE COLLUVIUM, UPPER PHASE
The Mustine and Sandstone Colluvium, Upper Phase is described in detail. This deposit is composed of sandstone and siltstone and is found in various locations in the Princeton quadrangle.

DEPOSITATION OF BRIDGTON GLACIAL TILL
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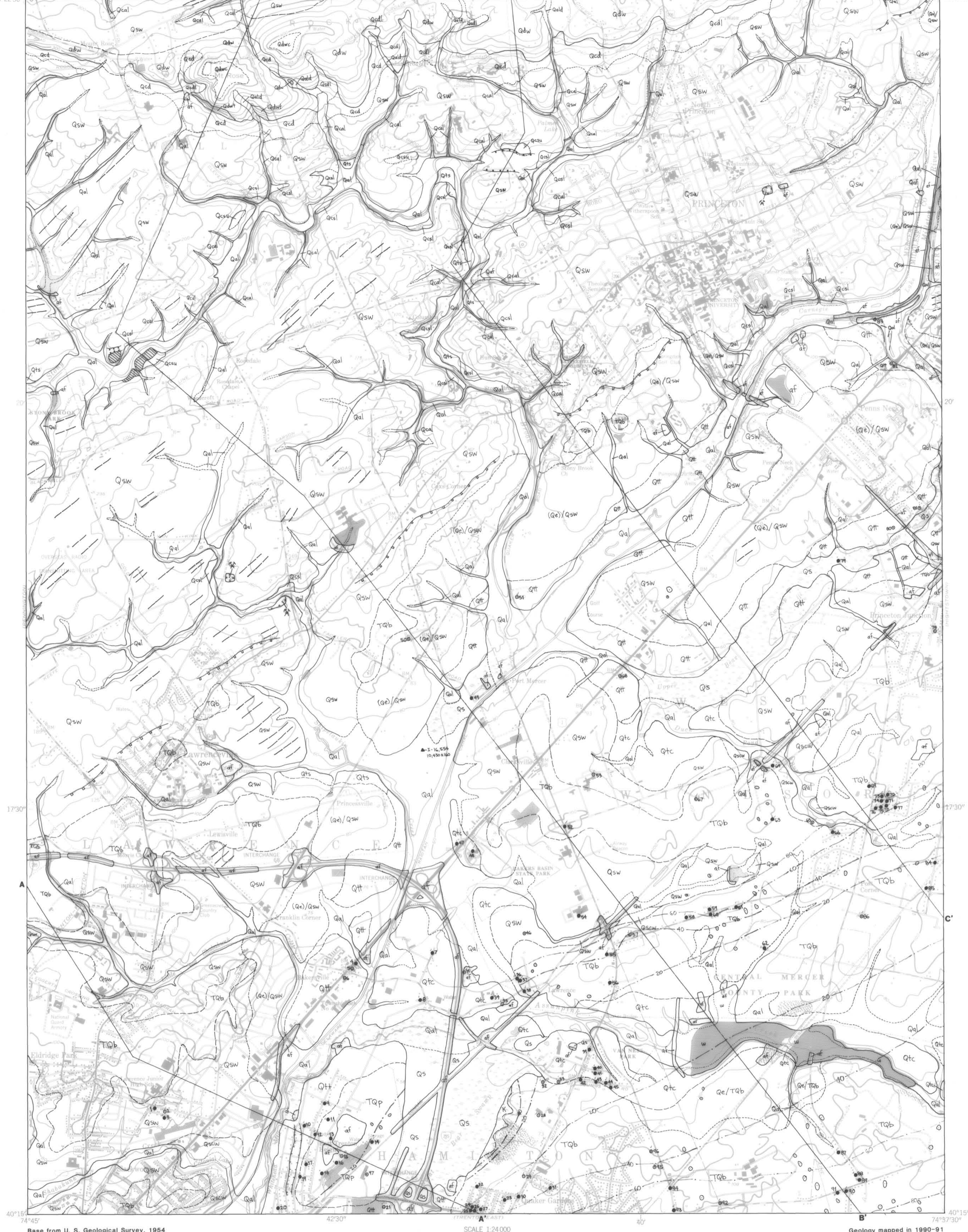
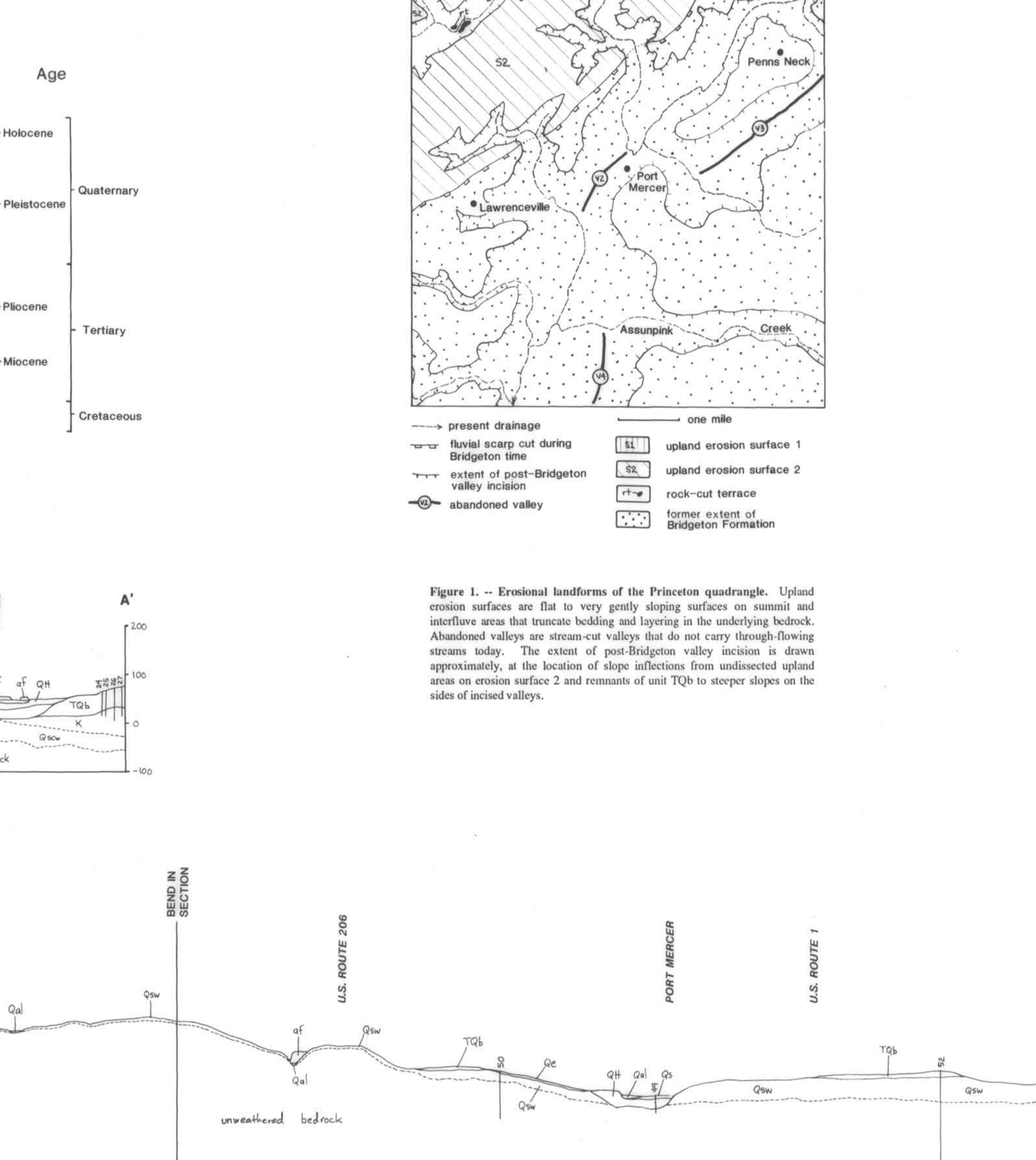
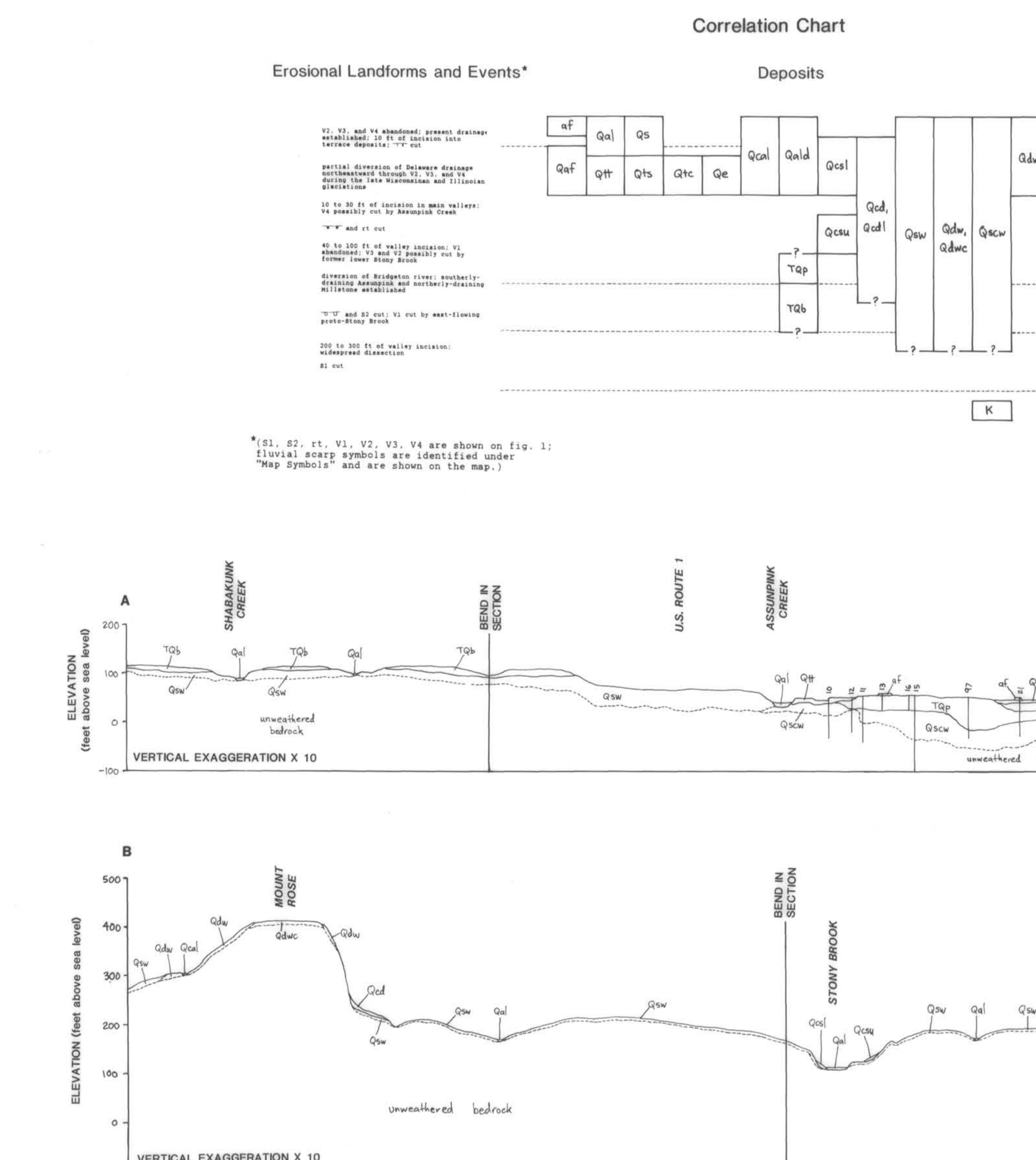


Table with 10 columns: Well Permit No., Depth (feet), Description, and other well data. The table lists numerous wells and their corresponding geological findings, including soil types, rock layers, and other subsurface features.

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Geology mapped in 1984 by the Princeton University Geology Department. There may be revisions prior to publication.

**SURFICIAL GEOLOGY OF THE PRINCETON QUADRANGLE
MERCER AND MIDDLESEX COUNTIES, NEW JERSEY**

by Scott D. Stanford 1993

Figure 1 - Cross-sections of the Princeton quadrangle. The figure shows three cross-sections (A-A', B-B', and C-C') with vertical exaggeration. It illustrates the relationship between different geological units and their positions relative to erosion surfaces. The units are labeled with codes like Qs, Qa, and Qb, and the erosion surfaces are labeled with codes like E1, E2, and E3.

Footnote 1: Well permit number issued by N.J. Department of Environmental Protection and Energy. Footnote 2: Indicates that the permit number is in the Department of Environmental Protection and Energy files. Footnote 3: Indicates that the permit number is in the Department of Environmental Protection and Energy files.