**Surficial Geology**

**Liskar Hillslopes**

Variable mixtures of earth, rock, and/or human-made materials used as fill for construction projects. Sand, gravel, and silt deposited where higher energy hillside streams cut around obstacles. Note:

- Exposure of platy lodgement till (also known as “hardpan”)
- Roughly sorted sand and gravel in a hillside ice-contact deposit

**Roxbury Quadrangle, Maine**

Concurrent glacial and non-glacial processes created complex landscapes in southern Maine. Landform patterns such as hummocky and lumpy terrain (cirque development) and drumlin fields are strongly influenced by glacial processes. They are best developed in areas where the ice moved slowly (low energy) and over hard or resistant bedrock.

- Glacial meltwater deposits were deposited during the retreat of the retreating ice margin.
- Remnant glacial ice. May include small esker segments.
- Ice-contact deposits where the ice margin was in contact with a pro-glacial lake. Delta surfaces denote approximate shoreline positions during deglaciation.
- Glacial lake delta deposits and submarine deposits of till (inset is a close-up view). The layers (known as foreset beds) dip down (left to right) towards what was once the lake bottom.

**Estimated Overburden Thickness**

The map shows approximate overburden (surficial sediment) thickness modeled in ArcGIS from analysis of lidar data. The use of industry, firm, or local government names on this map is for location purposes only and does not impute responsibility for any error or omission. The map shows bedrock outcrops that are not located on bedrock. Barbs point downslope. Delineated from lidar topographic data.

**Schematic Cross Sections**

Estimated overburden (surficial sediment) thickness modeled in ArcGIS from analysis of lidar data. The use of industry, firm, or local government names on this map is for location purposes only and does not impute responsibility for any error or omission. The map shows bedrock outcrops that are not located on bedrock. Barbs point downslope. Delineated from lidar topographic data.