



- Qem** Long Lake Drift  
Long Lake End Moraine
- Qem** Burnstad Drift  
Twin Buttes End Moraine and Fresh Lake Moraine
- Qem** Streeter Drift  
Streeter End Moraine  
Woodhouse Lake Loops  
Lake Williams Loop  
McPhail Buttes Loop  
Crystal Springs Loop  
Lake George Loop  
End moraine consists of ridge shaped deposits of unsorted clay, sand, gravel and boulders.
- Qdi** Dead Ice Moraine  
Deposits dominated by kettles and irregularly shaped ridges with no arcuate trends and composed of unsorted clay, sand, gravel and boulders.
- Qgm** Ground Moraine  
Deposits of low relief devoid of arcuate trends and composed of unsorted clay, sand, gravel and boulders.
- Qo** Outwash  
Glacio fluvial sand and gravel deposited by melt water as it flowed away from the ice.
- Qc** Meltwater Channels  
Mixtures of stratified sand and gravel.
- Qkc** Kettle-chains  
Kettles floored with till
- Qd** Dune Sand  
Large irregular areas of unconsolidated eolian sand derived principally from outwash.
- Ql** Lake Deposits  
Laminated silt and clay.
- Qk** Kames  
Conical hills of well-bedded sand and gravel locally mantled with either till or boulders.
- Qe** Eskers  
Sinuous, narrow ridges of cross-bedded sand and gravel locally veneered with either till or boulders.
- Bedrock Highs**
- Bedrock Outcrops**
- Ttr** Tertiary  
Tongue River Formation
- Tc** Cannonball Formation
- Kfh** Cretaceous  
Fox Hills Formation
- EL. 1884**  
**○1035** Test Hole With Number and Surface Elevation

**PLATE NO. 1**  
**Geologic Map of Kidder County**  
 WITH TEST HOLE LOCATIONS  
 AND LINES OF CROSS-SECTIONS