Surficial Geology of the Stanwood (Iowa) 7.5' Quadrangle

**Legend**
- **Compositional Series**
- **Reconnaissance**

**Cooperative Mapping with the Natural Resources Conservation Service (NRCS) Surficial Geologic Maps of the Stanwood and Cedar Bluff 7.24000 Quadrangles**

Phase 2
Iowa Geological Survey
Open File Map 49479-J
July 2007

**Geologic Cross Section A-B**

---

**Surficial Geology**

- **Upper Tertiary**
  - Qps1: Late Quaternary lacustrine deposits. These deposits are thin to thick and range from a few meters to 20 meters thick. They are characterized by a variety of sediments, including sandy and silty clays, silt, and gravel.

- **Eocene**
  - Qal: Eolian deposits of the Sand Hills. These deposits are thin to moderate and range from a few meters to 20 meters thick. They are characterized by a variety of sediments, including sandy and silty clays, silt, and gravel.

- **Quaternary**
  - Qe: Holocene deposits of the Sand Hills. These deposits are thin to moderate and range from a few meters to 20 meters thick. They are characterized by a variety of sediments, including sandy and silty clays, silt, and gravel.

---

**Geographic Information**

- **Map Credits**
  - Map preparation and production: Iowa Geographic Information System (IGIS), Iowa Geological Survey
  - Map formatting and production: Iowa Geographic Information System (IGIS), Iowa Geological Survey

---

**Acknowledgments**

- Thanks to the following individuals for their assistance:
  - Ed Fisher, Lois Bair, Dr. Ryan Ryan, Dr. Brent Montz, Bob Moore, Dennis and Linda Dennis, Pete Kollasch, Stephanie Tassier, Robert D. Libra, State Geologist, University of Iowa, and the following organizations:
    - Iowa Department of Natural Resources
    - Iowa Geological Survey
    - Iowa State University
    - University of Wisconsin

---

**Map Notes**

- The mapping is not a substitute for detailed site-specific studies. It is intended to provide a general overview of the surficial geology of the area.

---

**Sponsors**

- Iowa Department of Natural Resources
- Iowa Geological Survey
- University of Wisconsin
- Iowa State University
- University of Wisconsin

---

**Geologic Cross Section A-B**

- **Geologic Cross Section**
  - Shows the stratigraphic relationships and surficial geology along the cross section.

---

**Map Projection**

- Lambert conformal conic projection

---

**Map Scale**

- 1:24,000

---

**Map Credits**

- Map preparation and production: Iowa Geographic Information System (IGIS), Iowa Geological Survey
- Map formatting and production: Iowa Geographic Information System (IGIS), Iowa Geological Survey

---

**Contact Information**

- Iowa Geological Survey
  - 2500 Industrial Parkway
  - Cedar Falls, IA 50613
  - Phone: 515-294-6551
  - Fax: 515-294-6514
  - Website: www.igis.iastate.edu