



**Surficial Geologic Map of the Jeffersonville Quadrangle, Vermont**

Author: Stephen Wright

Edited and Digitized by: Jonathan Kim  
 Map Produced: September 25, 2001

Map Published By: Vermont Geological Survey  
 Laurence Becker - State Geologist  
 103 South Main Street  
 Waterbury, Vermont 05671  
 802/241-3608  
 larryb@dec.anr.state.vt.us

**Surficial Materials**

**HOLOCENE DEPOSITS**

- swp** Swamp: Muck, peat, silt, and sand; often with standing water
- al** Alluvium: Organic material, silt, very fine to coarse sand, pebbles, cobbles, and boulders complexly interbedded in the channels and current floodplains of streams and rivers.
- oal** Old Alluvium: Usually consisting of a thin (1-3 m thick) layer of medium to coarse sand and pebble to cobble/boulder gravel occurring on terraces or mantling hillslopes between terraces.
- af** Alluvial Fan: Lenses or aprons of poorly-sorted silty-sand to boulder-gravel originating from both stream deposits and debris flows. Buried soil horizons are common.

**LATE PLEISTOCENE DEPOSITS**

- cspsc2** Coarse Sand/Pebble Gravel/Cobble Gravel/Gravel deposited as foreset or topset beds in glaciolacustrine deltas
- ms** Medium Sand Deposited as bottomset beds offshore from glaciolacustrine deltas; some deposits may have originated as glaciolacustrine beaches.
- mfs** Medium-Fine Sand

**LATE PLEISTOCENE DEPOSITS (cont'd)**

- fs** Fine Sand: Light tan to brown lacustrine sand, frequently interbedded with thin (<10 cm) layers of both fine sand and gray silt and clay.
- vfs** Very Fine Sand: Light tan to brown lacustrine sand, frequently interbedded with thin (<10 cm) layers of both fine sand and gray silt and clay.
- c** Varved Silt and Clay: Rhythmically interbedded gray silt and clay deposited in Late Pleistocene glacial lakes. Very fine to medium sand interbeds are common, Concretions common.
- cspsc1** Coarse Sand/Pebble Gravel/Cobble Gravel/Gravel: Deposited in an ice-contact (subglacial) environment as eskers (usually directly on water-worn bedrock).
- t** Till: Compact, medium to light brown/gray diamict containing striated erratics.

→ Striation on bedrock

Bedrock Outcrops