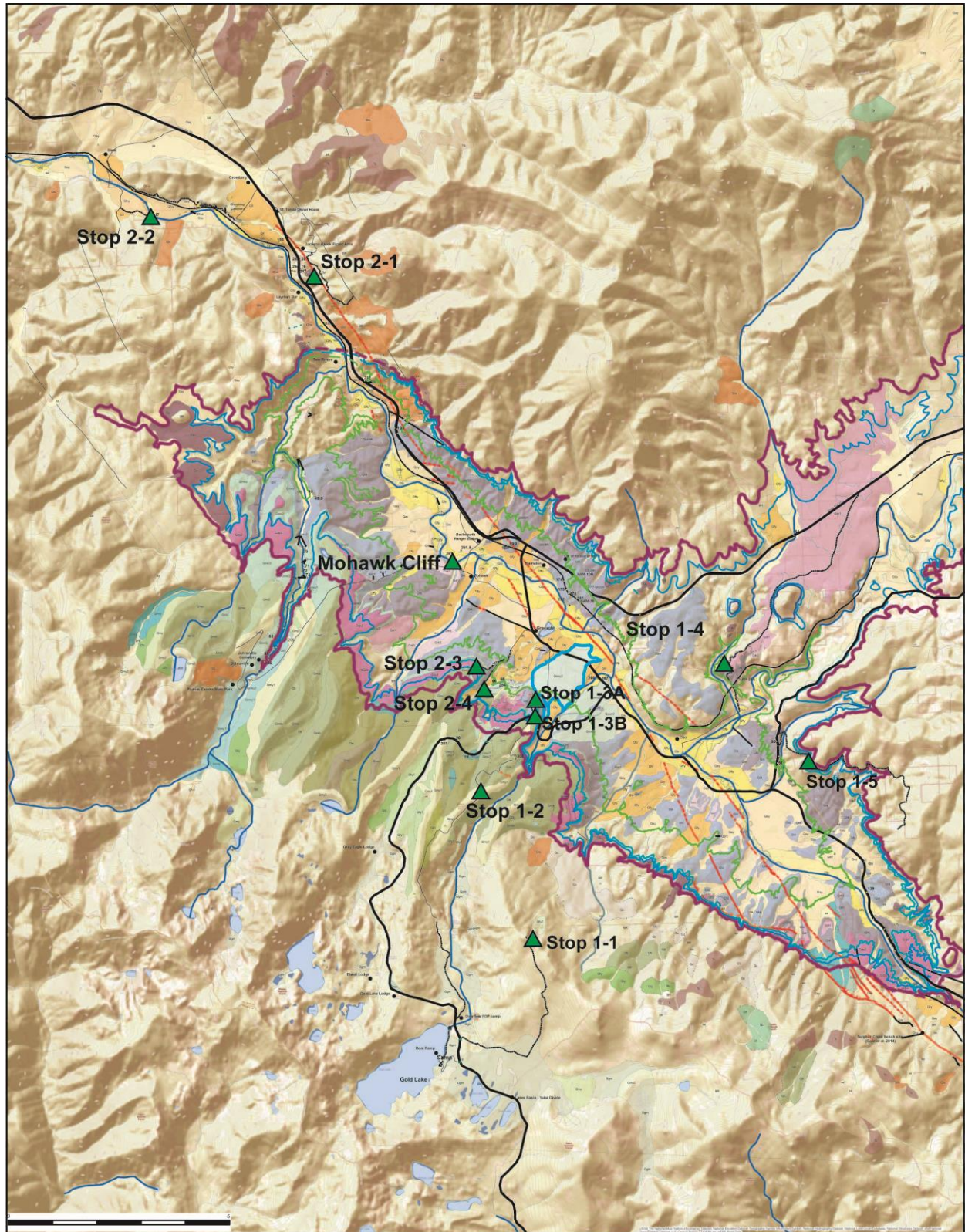


Appendix A

Surficial Geologic Map of Mohawk Valley

Joanna R. Redwine

Draft Surficial Geologic Map of Mohawk Valley
J. Redwine



DESCRIPTION OF MAP UNITS

Short Unit List

Alluvial Deposits

Qay alluvium, young (≥ 4 ka and $< \sim 30$ ka)

Fluvial deposits

aa active alluvium (modern to latest Holocene)
Qfp modern flood prone area (modern to latest Holocene)
Qfty fluvial terrace, young (Holocene - ≤ 4 to 7 ka)

Alluvial Fan Deposits

Qfvy alluvial fan, very young (≤ 1000 yrs).
Qfy alluvial fan, young ($\ll \sim 30$ ka, probably Holocene, ~ 4 to 7 ka and younger)
Qfi alluvial fan, intermediate (~ 30 ka to ~ 200 ka?)
Qfo alluvial fan, old ($\gg \sim 200$ ka (> 740 ka ?)).

Glacial Deposits

Outwash

Qowy2 outwash, youngest ($\leq \sim 30$ ka)
Qowy1 outwash, young ($> \sim 30$ ka and $< \sim 200$ ka)
Qowy outwash, young undifferentiated ($< \sim 200$ ka)
Qowi2 outwash, intermediate (younger) ($\leq \sim 200$ ka)
Qowi1 outwash, intermediate (older) (~ 610 -480 ka)
Qowi outwash, intermediate undifferentiated (≤ 610 -480 ka)
Qowo outwash, old (> 610 -480 ka)
Qowvo outwash, very old (> 610 -480 ka)
Qow outwash, undifferentiated by age

Moraines/Till

Qmy2/Qty2 moraine/till, youngest ($< \sim 30$ ka)
Qmy1/Qty1 moraine/till, young ($> \sim 30$ ka to $< \sim 200$ ka)
Qmy/Qty moraine/till, young, undifferentiated ($< \sim 200$ ka)
Qmi2/Qti2 moraine/till, intermediate-younger ($\leq \sim 200$ ka?)
Qmi1/Qti1 moraine/till, intermediate-older ($> \sim 200$ ka and ≤ 610 -480 ka)
Qmi/Qti moraine/till, intermediate, undifferentiated (≤ 610 -480 ka)
Qmo/Qto moraine/till, old. (≥ 610 -480 ka)
Qm/Qt moraine/till, undifferentiated by age

Lacustrine Deposits

Qlp lacustrine, pro-glacial (~ 200 ka to 610-480 ka or older)
Qld lacustrine-deltaic ($> \sim 30$ ka to 740 ka or older)
Qfd fluvial-deltaic ($> \sim 30$ ka to 740 ka or older)
Qfd/BR fluvial-deltaic ($> \sim 30$ ka to 740 ka or older) / bedrock undifferentiated
Qdp2 delta plain, younger ($> \sim 30$ ka and $\leq \sim 200$ ka)
Qdp1 delta plain, older (about ~ 200 ka or older)
Qdr2 delta rim features, younger ($< \sim 30$ ka)
Qdr1 delta rim features, older ($> \sim 30$ ka and $< \sim 200$ ka)
Qp pediment ($\leq \sim 200$ ka)

Landslide Deposits

- Qls** landslide, undifferentiated by age
- Qlsa** landslide, active
- Qlsy** landslide, young (historic?)
- Qlsvo** landslide, very old. (> 740 ka?)
- Qfl/ls** fluvially re-worked landslides (undifferentiated by age)

BEDROCK

- Tc** conglomerate (Tertiary)
- Tlb** Lovejoy basalt (Tertiary)
- BR** Bedrock undifferentiated (older than Quaternary)

Legend for Surficial Geologic Map of Mohawk Valley

