Plate I: Detailed Geologic Map of the Baileyton, McCloud, Mosheim, Stony Point, and portions of the Burem and Greeneville 7.5' Quadrangles

John G. Bultman, 2005

Location Map

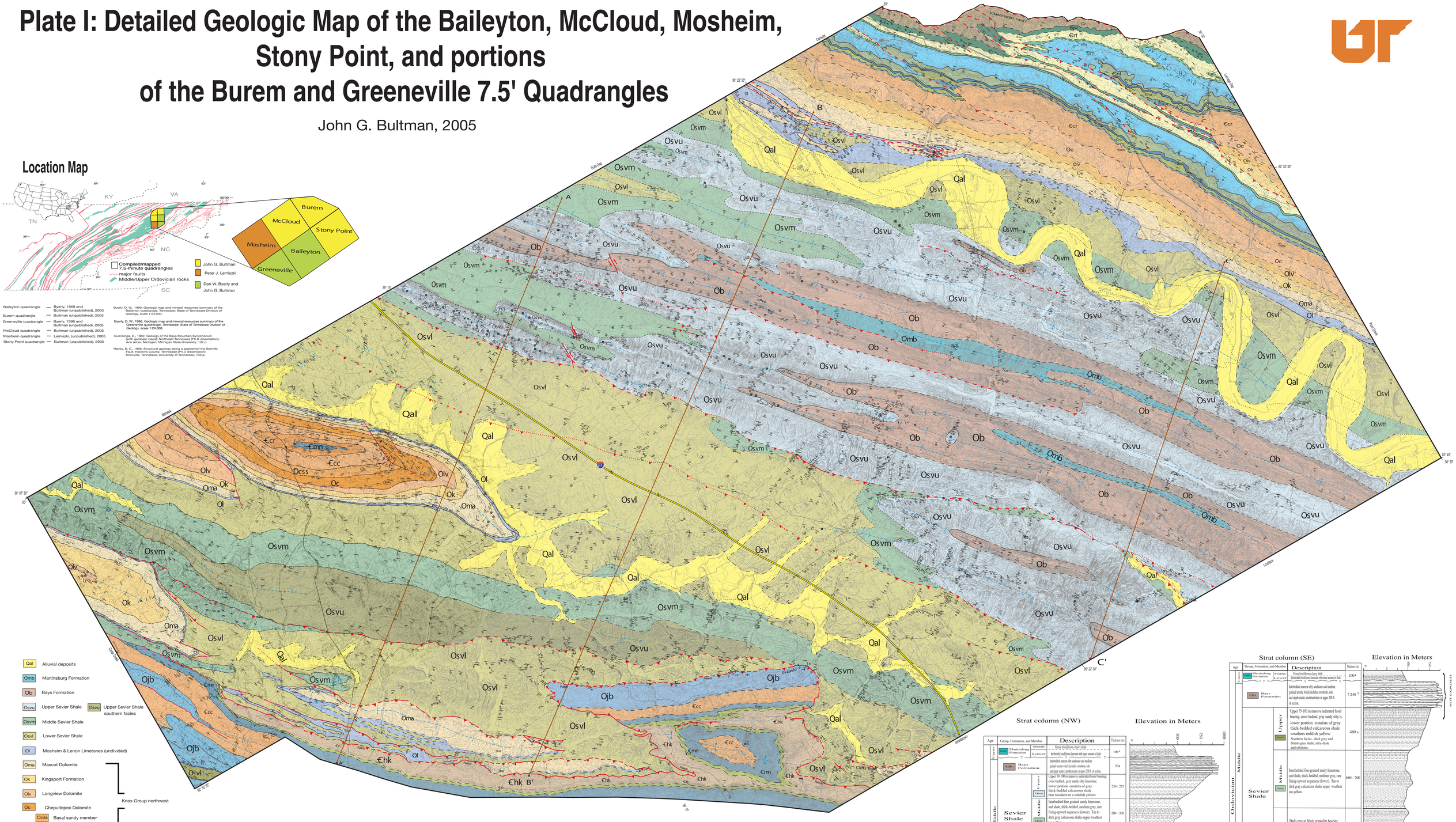
Baileyton quadrangle — Byerly, 1969 and Bultman (unpublished), 2005
Burem quadrangle — Bultman (unpublished), 2005
Greeneville quadrangle — Byerly, 1996 and Bultman (unpublished), 2005
McCloud quadrangle — Bultman (unpublished), 2005
Mosheim quadrangle — Lemiszki, (unpublished), 2005
Stony Point quadrangle — Bultman (unpublished), 2005

Byerly, D. W., 1969, Geologic map and mineral resources summary of the Baileyton quadrangle, Tennessee: State of Tennessee Division of Geology, scale 1:24,000.

Byerly, D. W., 1996, Geologic map and mineral resources summary of the Greeneville quadrangle, Tennessee: State of Tennessee Division of Geology, scale 1:24,000.

Cummings, D., 1962, Geology of the Bays Mountain Synclinorium [with geologic maps], Northeast Tennessee [Ph.D dissertation]: Ann Arbor, Michigan, Michigan State University, 152 p.

Haney, D. C., 1966, Structural geology along a segmental the Saltville Fault, Hawkins County, Tennessee [Ph.D dissertation]: Knoxville, Tennessee, University of Tennessee, 133 p.



Qal Alluvial deposits
Omb Martinsburg Formation
Ob Bays Formation
Osvu Upper Sevier Shale
Osvu Upper Sevier Shale southern facies
Osvm Middle Sevier Shale
Osvl Lower Sevier Shale
Ol Mosheim & Lenoir Limetones (undivided)
Oma Mascot Dolomite
Ok Kingsport Formation
Olv Longview Dolomite
Oc Chepultepec Dolomite
Ocss Basal sandy member
Ccr Copper Ridge Dolomite
Ojb Jonesboro Limestone
Ccc Conococheague Limestone
Cmn Maynardville Limestone
Cnu Upper Shale
Cnr Reef Limestone
Cnl LowerShale
Nolichucky Shale Cn
Knox Group northwest
Knox Group southeast
Cm Maryville Limestone
Crg Rogersville Shale
Crt Rutledge Limestone
Cpv Pumpkin Valley Shale
Cr Rome Formation
Chk
Cc Conasauga Group (undifferentiated)

Explanation

Contacts and Faults

Contact - solid where exactly known
Dashed where approximate
Dotted where inferred
Thrust fault - dashed where approximate
Dotted where inferred
Strike-slip faultv

Planar Structures

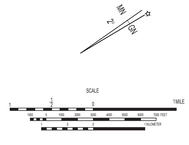
Strike and dip of bedding
Strike and dip of overturned beds
Strike and dip of fracture
Strike and dip of cleavage
Intensly deformed

Linear Structures

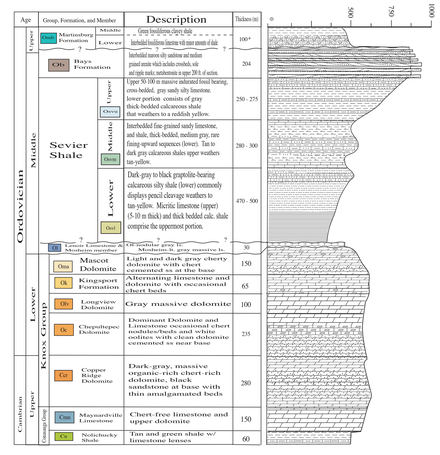
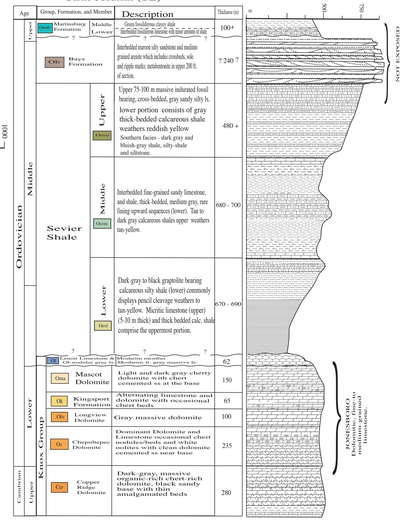
Doubly plunging upright map-scale anticline
Plunging upright map-scale syncline
Meso-scale anticline
Meso-scale syncline
Overturned outcrop-scale anticline

Symbols

Cross section location



Strat column (NW)



Strat column (SE)