

# GEOLOGY AND MINERAL RESOURCES OF LOUDOUN COUNTY, VIRGINIA

## Mineral Resources

- B Active Mine (permit #)
- D Inactive or Abandoned Mine (MRV ID)
- E DMR Sample
- DMR Carbonate Sample

## Key

- ) City or town
- State primary highway

## Geology (see expanded explanation)

- Jd - diabase
  - Jb - basalt
  - Jss - sandstone
  - TRc - conglomerate
  - TRc1 - conglomerate, carbonate clasts
  - TRs - sandstone, undifferentiated
  - TRss - sandstone, siltstone, shale
  - TRsh - shale and siltstone
  - Cf Frederick Limestone
  - Ct - Tomstown Dolomite
  - Cch Chilhowee Group, undivided
  - CZc - Catoctin Formation, metabasalt
  - CZcs - Catoctin Formation, metasediments
  - CZcr - Catoctin Formation, rhyolite
  - CZhb - Catoctin Formation, metabasalt breccia
  - CZmg - Mather Gorge Formation, metagraywacke
  - CZms - Mather Gorge Formation, schist
  - Zsr - Swift Run Formation, phyllite
  - Zm - marble
  - Zfl - Fauquier Formation, laminated metasiltstone
- Zfs - Fauquier Formation, meta-arkose and metasiltstone
  - Zfa - Fauquier Formation, arkosic metasandstone
  - Zfc - Fauquier Formation, metaconglomerate
  - Zrc - Cobbler Mountain alkali feldspar quartz syenite
  - Ygt - garnetiferous leucocratic metagranite
  - Yg - leucocratic metagranite
  - Ygr - biotite granite gneiss
  - Yt - meta-trondhjemite
  - Ymc - Marshall Metagranite, coarse-grained
  - Ymm Marshall Metagranite, biotite metagranite
  - Yc - charnockite
  - Ybp - porphyroblastic granite gneiss
  - Ybg - porphyroblastic biotite-plagioclase augen gneiss
  - Yn - metanorite and metadiorite
  - Yum - metaperidotite, metapyroxenite
  - Ygg - layered leucocratic granite gneiss
  - Ygh - hornblende gneiss
  - Yp - garnet-graphite paragneiss
  - Yq - quartzite and quartz-sericite tectonite

## Data Sources:

Geology: Virginia Division of Mineral Resources (DMR), 1993, Geologic Map of Virginia, scale 1:500,000.  
Active Mine Locations: Virginia Division of Mineral Mining, scale 1:24,000.  
Historic Mines: DMR Mineral Resources of Virginia database, scale 1:24,000.  
DMR Sample Locations: DMR Mineral Resources data files.

