

MOUNT ADAMS QUADRANGLE

GEOLOGIC UNITS FOR THE MOUNT ADAMS 1:100,000 QUADRANGLE

Quaternary Sediments

- [Q] ice
- [Qal] alluvium
- [Qls] landslide
- [Qm] Trout Lake mudflow
- [Qdu] glacial drift, undifferentiated
- [Qde] Evans Creek Drift
- [Qdet] Evans Creek Drift, till
- [Qdmr] McDonald Ridge drift
- [Qdh] Hayden Creek Drift
- [Qdht] Hayden Creek Drift, till
- [Qdw] White Salmon Drift

Quaternary Volcanic Rocks

- [Qaa] Mount Adams andesite
- [Qaah] Mount Adams andesite, Holocene
- [Qaw] Mount Adams -- volcaniclastic rocks, debris flows, Holocene
- [Qax] Mount Adams olivine andesite
- [Qao] Mount Adams andesite of Hellroaring and Big Muddy Creek complex
- [Qad] Mount Adams dacite flows
- [Qar] Mount Adams rhyolite

- [Qshu] Mount St. Helens debris flow, older than 2,500 years

- [Qvb] basalt flows, unnamed
- [Qvbd] basalt of Badger Peak
- [Qvbk] basalt of Blue Lake
- [Qvbm] basalt of Bird Mountain
- [Qvbn] basalt of Bunnell Butte
- [Qvbp] basalt of Burnt Peak
- [Qvcm] basalt of Chennus Lake
- [Qvcn] basalt of County Park
- [Qvcp] basalt of Camas Prairie
- [Qvde] basalt of Deep Lake (basalt south of Bird Mountain)
- [Qvdh] basalt of Dead Horse Creek
- [Qvce] basalt of East Canyon Creek
- [Qvel] andesite of Eunice Lake
- [Qvfm] basalt of Flattop Mountain
- [Qvga] basalt of Glacier Butte
- [Qvgb] basalt of Gotchen Creek
- [Qvgr] basalt of Green Canyon
- [Qvgt] basalt of Goat Butte
- [Qvhl] basalt of Hidden Lake
- [Qvhe] basalt of Ice Cave
- [Qvhi] basalt of Indian Heaven
- [Qviv] basalt of Indian Viewpoint
- [Qvib] basalt of Lone Butte
- [Qvic] basalt of Lake Concomly
- [Qvli] basalt of The Loaf
- [Qvlg] basalt of Little Goose Creek
- [Qvll] basalt of Lakeview Mountain
- [Qvlm] basaltic andesite of Little Mount Adams
- [Qvme] basaltic andesite of Meadow Creek
- [Qvml] basalt of McClellan Meadows
- [Qvmo] basalt of Mosquito Creek (basalt west of Steamboat Mountain)
- [Qvoc] basalt of Outlaw Creek
- [Qvol] dacite of Olallie Lake
- [Qvos] andesite of Old Snowy Mountain
- [Qvpf] basalt of Paradise Falls
- [Qvph] basaltic andesite of Potato Hill
- [Qvpl] basalt of Placid Lake
- [Qvrb] basalt of Red Butte
- [Qvrc] basalt of Rush Creek
- [Qvri] basalt of Riley Creek
- [Qvrl] basalt of Red Lake
- [Qvrb] andesite of South Butte
- [Qvsc] basalt of Spring Creek
- [Qvsg] andesite of Signal Peak
- [Qvsh] basalt of Spud Hill
- [Qvsk] basalt west of Skull Creek
- [Qvsm] basalt of Smith Butte
- [Qvsn] basaltic andesite of Snipes Mountain
- [Qvsa] basalt of Squaw Butte
- [Qvst] basalt of Sawtooth Mountain, (basalt of Surprise Lakes)
- [Qvsv] andesite of Swampy Meadow
- [Qvsw] basalt of Sleeping Beauty
- [Qvub] basalt of Twin Buttes
- [Qvuc] basalt of Tullum Creek
- [Qvth] basalt of Thomas Lake
- [Qvtl] basalt of Trout Lake Creek
- [Qvto] basalt of Two Lakes
- [Qvtf] basalt of Walup Lake

Pliocene-Pleistocene Intrusive Rocks

- [Qia] andesite plugs and dikes
- [Qtia] andesite domes, plugs, and dikes

Pliocene-Pleistocene Volcanic Rocks

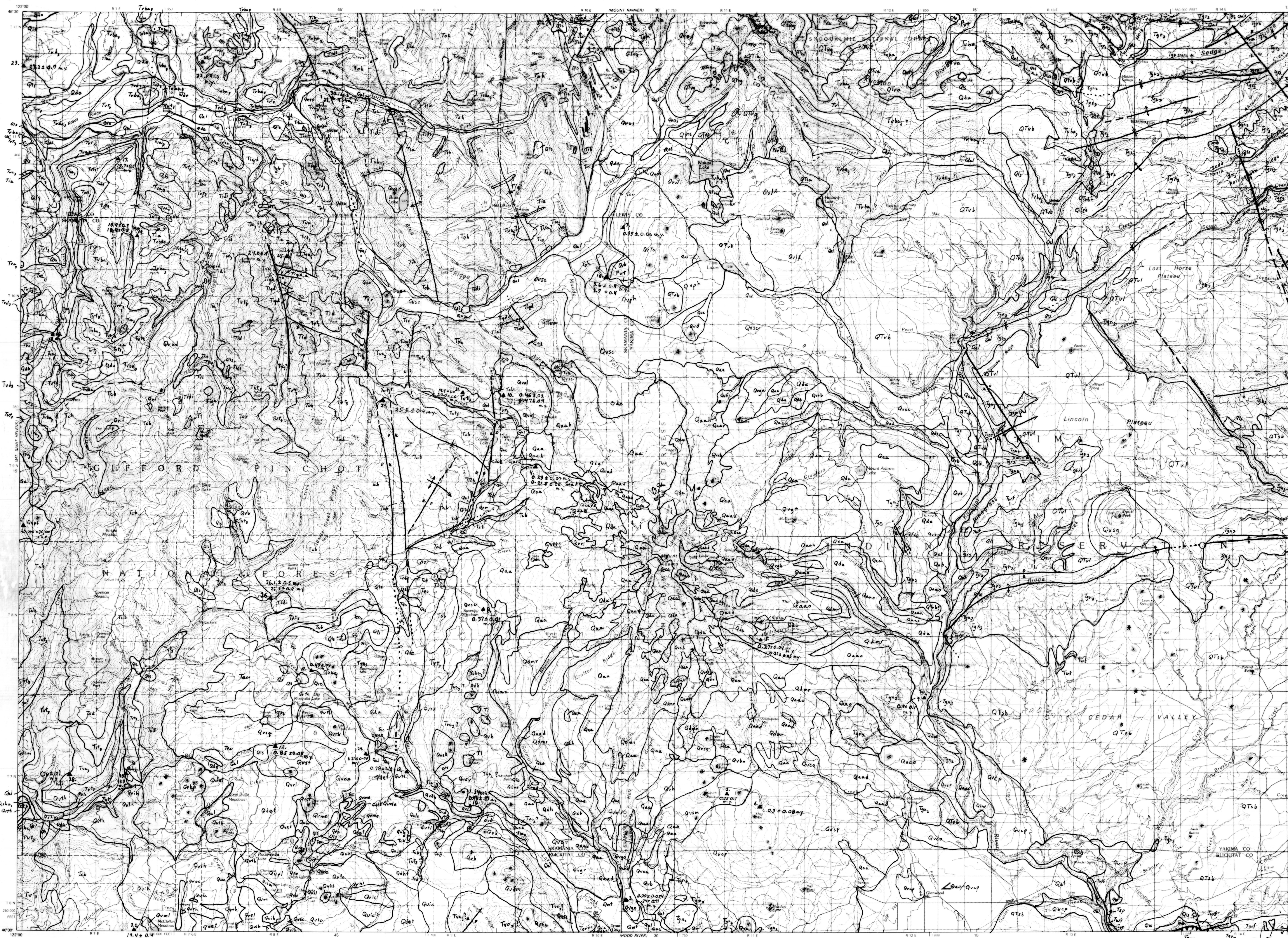
- [Qiva] Pliocene-Pleistocene volcanic rocks, primarily andesite flows
- [Qivb] Pliocene-Pleistocene volcanic rocks, primarily basalt flows
- [Qivd] Pliocene-Pleistocene dacite flows
- [Qivl] basalt of Lincoln Plateau
- [Qivb] basalt of Simcoe Mountains
- [Qivg] andesite of Goat Rocks

Tertiary Stratified Rocks

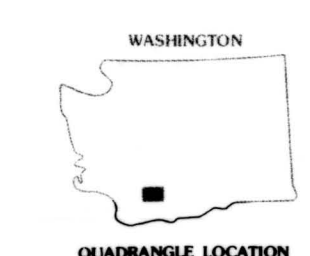
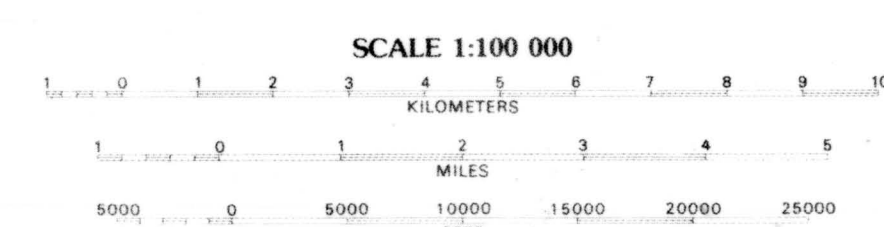
- [Pvt] Pliocene tuff and tuff breccia
- [Pdv] Devil's Horns rhyolite, Pliocene tuffs and flows
- [Pvs] Pliocene volcanic sediments, conglomerates and tuffaceous sandstone
- [Tsp] Saddle Mountain Basalt, Pliocene Member, (middle Miocene)
- [Tsw] Nanapum Basalt, Frenchman Springs Member, (middle Miocene)
- [Tgr] Grande Ronde Basalt, middle Miocene
- [Tgr2] Grande Ronde Basalt, upper flows, normal magnetic polarity
- [Tgr2] Grande Ronde Basalt, upper flows, reverse magnetic polarity
- [Twa4] Middle Miocene andesite flows
- [Tec] Eagle Creek Formation (lower Miocene)
- [Tcb] volcanic rocks of Council Bluff, lower Miocene andesite flows
- [Tvd3] Lower Miocene dacite flows
- [Tvr3] Lower Miocene tuff and tuff breccia
- [Tvr3] Lower Miocene rhyolite
- [Tvr3] Lower Miocene andesite flows
- [Tvr3] Lower Miocene basaltic andesite flows
- [Tvr3] Lower Miocene basaltic flows
- [Tvr3] Lower Miocene volcaniclastic rocks
- [Tvr3] Lower Miocene volcaniclastic rocks
- [Tvr3] Upper Oligocene basaltic andesite flows
- [Tvr3] Upper Oligocene volcaniclastic rocks
- [Tvr3] Channeled Formation, Oligocene volcaniclastic rocks
- [Tvr3] Tertiary volcanic rocks, undivided (Oligocene-Miocene)
- [Tvr3] Chambers Creek beds, upper Eocene sandstones

Tertiary Intrusive Rocks

- [Ti] Tertiary intrusive rocks
- [Tia] Intrusive andesite (primarily Miocene)
- [Tib] Intrusive basalt (primarily Miocene)
- [Tid] Intrusive dacite (primarily Miocene)
- [Tir] Intrusive rhyolite (Miocene)
- [Tid1] Diorite intrusions (Miocene)
- [Tigb] Gabbro intrusions (primarily Miocene)
- [Tiqd] Quartz diorite intrusions (Miocene)



- Explanation of Symbols
- Contacts
  - Known and Approximate Location
  - Scratch Boundary
  - Faults and Folds
  - Solid Lines — Existence known, Location known
  - Dashed — Location and existence inferred
  - Dotted — Cancelled
  - High Angle Fault
  - Thrust Fault
  - Anticline Fold, showing direction of plunge
  - Synclinal Fold, showing direction of plunge
  - Monoclinial Hinges
  - Quaternary and Pliocene Volcanic Centers
  - K-Ar Age Date Sample Location. See Table 1.



- ROAD CLASSIFICATION
- Primary highway, hard surface
  - Secondary highway, hard surface
  - Light-duty road, hard or improved surface
  - Street or unimproved road
  - Trail
  - Interstate Route
  - U.S. Route
  - State Route

GEOLOGIC MAP OF THE MOUNT ADAMS QUADRANGLE, WASHINGTON

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MOUNT ADAMS, WASH.  
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