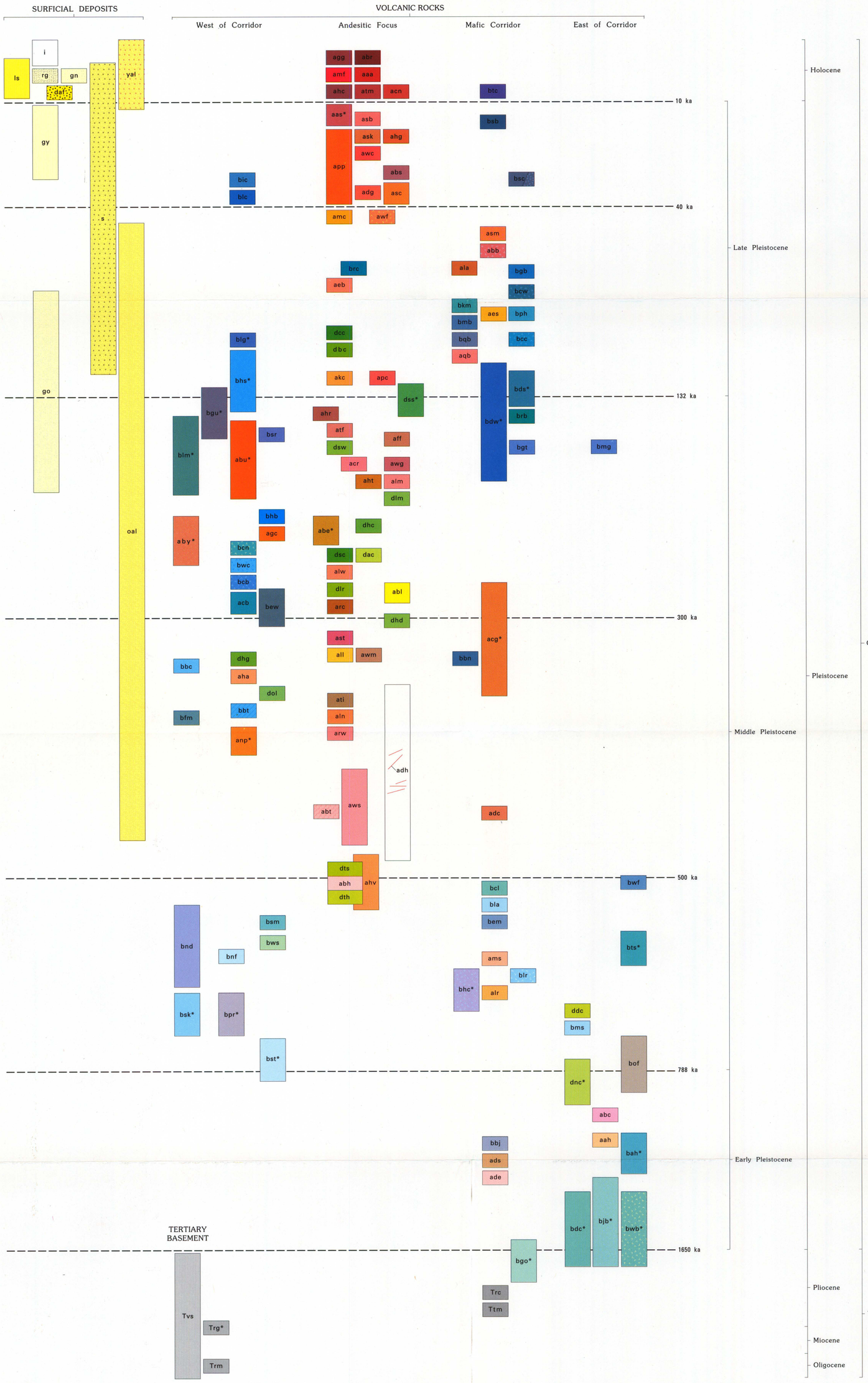
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

MISCELLANEOUS INVESTIGATIONS SERIES
MAP I–2460 SHEET 2 OF 2
Pamphlet accompanies map

CORRELATION OF MAP UNITS

(*See DESCRIPTION OF MAP UNITS for specific unit age assignments)



GEOLOGIC MAP OF THE MOUNT ADAMS VOLCANIC FIELD, CASCADE RANGE OF SOUTHERN WASHINGTON

By
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LIST OF MAP UNITS

SURFICIAL DEPOSITS

- i — Glacial ice (Holocene)
- ls — Landslide deposits (Holocene)
- daf — Debris-avalanche and debris-flow deposits (Holocene)
- rg — Rock glaciers (Holocene)
- gn — Neoglacial deposits (Holocene)
- gy — Younger glacial deposits (late Pleistocene
- go — Older glacial deposits (late and middle Pleistocene)
- yal — Younger alluvium (Holocene and late Pleistocene)
- oal — Older alluvium (late and middle Pleistocene)
- s — Surficial deposits, undivided (Holocene and late Pleistocene)

VOLCANIC ROCKS

West of Corridor

- bic — Basalt of Ice Caves (late Pleistocene)
- blc — Basalt of Lake Comcomly (late Pleistocene)
- blg — Basalt at the confluence of Little Goose and Trout Lake Creeks (middle or late Pleistocene)
- bhs — Basalt south of Haystack Butte (late or middle Pleistocene)
- bgu — Basalt of Guler Mountain (late or middle Pleistocene)
- blm — Basalt of Little Mountain (middle? Pleistocene)
- abu — Andesite southwest of Butter Cave (middle Pleistocene)
- bsr — Basalt west of Stagman Ridge (middle Pleistocene)
- bhb — Basalt of Herions Bridge (middle Pleistocene)
- agc — Andesite of lower Gotchen Creek (middle Pleistocene)
- aby — Andesite south of Sleeping Beauty (middle? Pleistocene)
- bcn — Basalt north of Cakey Butte (middle Pleistocene)
- bwc — Basalt west of Cakey Butte (middle Pleistocene)
- bcb — Basalt of Cakey Butte (middle Pleistocene)
- bew — Basalt east of White Salmon River (middle Pleistocene)
- acb — Andesite of Cakey Butte (middle Pleistocene)
- dhg — Dacite of Hole-in-the-Ground Creek (middle Pleistocene)
- bbc — Basalt of Bear Creek (middle Pleistocene)
- aha — Aphyric andesite west of Hole-in-the-Ground Creek (middle Pleistocene)
- dol — Dacite of Olallie Lake (middle Pleistocene)
- bbt — Basalt of Big Tree knob (middle Pleistocene)
- bfm — Basalt of Flattop Mountain (middle Pleistocene)
- anp — Andesite north of Peterson Ridge (middle Pleistocene)
- bnd — Basalt north of Deadhorse Meadow (middle Pleistocene)
- bsm — Basalt of Swampy Meadows (middle Pleistocene)
- bws — Basalt of White Salmon River gorge (middle Pleistocene)
- bnf — Basalts west of Ninefoot Creek (middle Pleistocene)
- bsk — Basalt of Skull Creek (middle Pleistocene)
- bpr — Basalt of Peterson Ridge (middle? Pleistocene)
- bst — Basalt of Stoller Canyon (middle or early Pleistocene)
- Trg — Rhyolite of Green Canyon (Pliocene or Miocene)
- Trm — Rhyolite of Mann Butte (Oligocene)

Andesitic Focus

- agg — Andesite west of Gotchen Glacier (Holocene)
- abr — Andesite of Battlement Ridge (Holocene)
- amf — Andesite of Muddy Fork (Holocene)
- aaa — Andesite of A.G. Aiken Lava Bed (Holocene)
- ahc — Andesite of High Camp (Holocene)
- atm — Andesite of Takh Takh Meadow (Holocene)
- acn — Andesite of Cunningham Creek (Holocene)
- aas — Andesite of Mount Adams summit (late Pleistocene)
- asb — Andesite of South Butte (late Pleistocene)
- ask — Andesite of Suksdorf Ridge (late Pleistocene)
- ahg — Andesite of Hole-in-the-Ground Creek (late Pleistocene)
- awc — Andesite west of Crescent Glacier (late Pleistocene)
- app — Andesite of Pikers Peak (late Pleistocene)
- abs — Andesite of Big Spring Creek (late Pleistocene)
- adg — Andesite of Devils Gardens (late Pleistocene)
- asc — Andesite of Sled Camp (late Pleistocene)
- amc — Andesite of Morrison Creek (late Pleistocene)
- awf — Andesite of West Fork (late Pleistocene)
- brc — Basalt of Riley Creek (late Pleistocene)
- aeb — Andesite east of Bunnell Butte (late Pleistocene)
- dcc — Dacite of Cascade Creek (late Pleistocene)
- dbc — Dacite of Bird Creek Meadows (late Pleistocene)
- akc — Andesite of Killen Creek (late Pleistocene)
- apc — Andesite of Parrott Crossing (late Pleistocene)
- dss — Dacite southeast of Snowplow Mountain (late or middle Pleistocene)
- ahr — Andesite of Hellroaring Cliffs (middle Pleistocene)
- atf — Andesite of Twin Falls Creek (middle Pleistocene)
- aff — Andesite of Foggy Flat (middle Pleistocene)
- dsw — Dacite of Swampy Creek (middle Pleistocene)
- acr — Andesite of Crofton Ridge (middle Pleistocene)
- awg — Andesite of Wilson Glacier (middle Pleistocene)
- aht — Andesite of Highline Trail (middle Pleistocene)
- alm — Andesite of Little Muddy Creek (middle Pleistocene)
- dlm — Dacite of Little Muddy Creek (middle Pleistocene)
- abe — Andesite east of Babyshoe Ridge (middle? Pleistocene)
- dhc — Dacite of High Camp (middle Pleistocene)
- dsc — Dacite of Sheep Creek (middle Pleistocene)
- dac — Dacite of Adams Creek (middle Pleistocene)
- alw — Andesite of Lewis River (middle Pleistocene)
- dlr — Dacite of Lewis River (middle Pleistocene)
- abl — Andesite of Bird Lake (middle Pleistocene)
- arc — Andesite of Riley Creek (middle Pleistocene)
- dhd — Dacite of Hellroaring Ditch (middle Pleistocene)
- ast — Andesite of Salt Creek (middle Pleistocene)
- all — Andesite of Lookingglass Lake (middle Pleistocene)
- awm — Andesite west of Muddy Fork (middle Pleistocene)
- ati — Andesite of The Island (middle Pleistocene)
- aln — Andesite north of Little Mount Adams (middle Pleistocene)
- arw — Andesite of the Ridge of Wonders (middle Pleistocene)
- aws — Andesite of White Salmon River (middle Pleistocene)
- abt — Andesite of Big Tree knob (middle Pleistocene)
- adh — Andesite dikes of Hellroaring volcano (middle Pleistocene)
- ahv — Andesite of Hellroaring Volcano (middle Pleistocene)
- dts — Dacite of The Spearhead (middle Pleistocene)
- abh — Andesite breccias of Hellroaring Creek (middle Pleistocene)
- dth — Dacite tuff of Hellroaring Creek (middle Pleistocene)

Mafic Corridor

- btc — Basalt of Trappers Creek (Holocene)
- bsb — Basalt of Smith Butte (late Pleistocene)
- bsc — Basalt of Spring Creek (late Pleistocene)
- asm — Andesite of Snipes Mountain (late Pleistocene)
- abb — Andesite of Bunnell Butte (late Pleistocene)
- ala — Andesite of Little Mount Adams (late Pleistocene)
- bgb — Basalt of Glaciate Butte (late Pleistocene)
- bcw — Basalt west of Clearwater Creek (late Pleistocene)
- bkm — Basalt of King Mountain (late Pleistocene)
- aes — Andesite east of Shadow Lake (late Pleistocene)
- bph — Basalt of Potato Hill (late Pleistocene)
- bmb — Basalt of Meadow Butte (late Pleistocene)
- bcc — Basalt of Cougar Creek (late Pleistocene)
- bqb — Basalt of Quigley Butte (late Pleistocene)
- aqb — Andesite of Quigley Butte (late Pleistocene)
- bdw — Basalt west of Draper Springs (late or middle Pleistocene)
- bds — Basalt south of Draper Springs (late or middle Pleistocene)
- brb — Basalt of Red Butte (middle Pleistocene)
- bgt — Basalt of Goat Butte (middle Pleistocene)
- acg — Andesite of Crooked Creek-Gotchen Creek divide (middle Pleistocene)
- bbn — Basalt of Bacon Creek (middle Pleistocene)
- adc — Andesite of Dairy Creek (middle Pleistocene)
- bcl — Basalt of Clearwater Creek (middle Pleistocene)
- bla — Basalt of lake 5141 (middle? Pleistocene)
- bem — Basalt east of Muddy Fork (middle? Pleistocene)
- ams — Andesite of Mud Spring (middle Pleistocene)
- blr — Basalt of Laurel (middle Pleistocene)
- bhc — Basalt of Holmes Creek (middle Pleistocene)
- alr — Andesite of Laurel (middle Pleistocene)
- bbj — Basalt of Blue Jay Campground (early Pleistocene)
- ads — Andesite of Draper Springs Camp (early Pleistocene)
- ade — Andesite east of Draper Springs (early Pleistocene)
- bgo — Basalt of Glenwood (early Pleistocene or Pliocene)
- Trc — Rhyolite of Clearwater Creek (Pliocene)
- Ttm — Tuff of Midway Creek (Pliocene)

East of Corridor

- bmg — Basalt of Mulligan Butte (middle Pleistocene)
- bwf — Basalt of West Fork (middle Pleistocene)
- bts — Basalt south of Trappers Creek (middle? Pleistocene)
- ddc — Dacite of Dry Creek (middle Pleistocene)
- bms — Basalt of McCumber Spring (middle Pleistocene)
- bof — Basalt of Outlet Falls (early or middle Pleistocene)
- dnc — Dacite north of Cress Camp (middle or early Pleistocene?)
- abc — Andesite of Bacon Creek (early Pleistocene)
- aah — Andesite of Mount Adams Highway (early Pleistocene)
- bah — Basalt of Mount Adams Highway (early Pleistocene)
- bjb — Basalt of Jungle Butte (early Pleistocene or Pliocene)
- bdc — Basalt of Deer Creek (early Pleistocene or Pliocene)
- bwb — Basalt of Wellenbrock Spring (early Pleistocene or Pliocene)

TERTIARY BASEMENT

- Tvs — Volcanic and sedimentary rocks, undivided (Tertiary)

- **Contact**—Dashed where approximately located
- **Unconformity**—Abrupt changes in attitude of stratified ejecta (and associated lavas) related to summit craters (map units aas and app)
- ×516 **Location and age (in thousands of years) of sample dated by the potassium-argon method**
- **Dikes**—Other than dikes of unit adh (which are in red)
- 20 **Strike and dip of ejecta and stacks of thin lavas**
- **Flow direction of selected lavas**
- **Volcanic craters and partial crater rims**—Hachures point inward
- ★ **Volcanic vent**—Other than craters and fissures
- **Volcanic fissure vent**
- **Landslide**
- L **Lake**—Only the largest lakes are colored

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