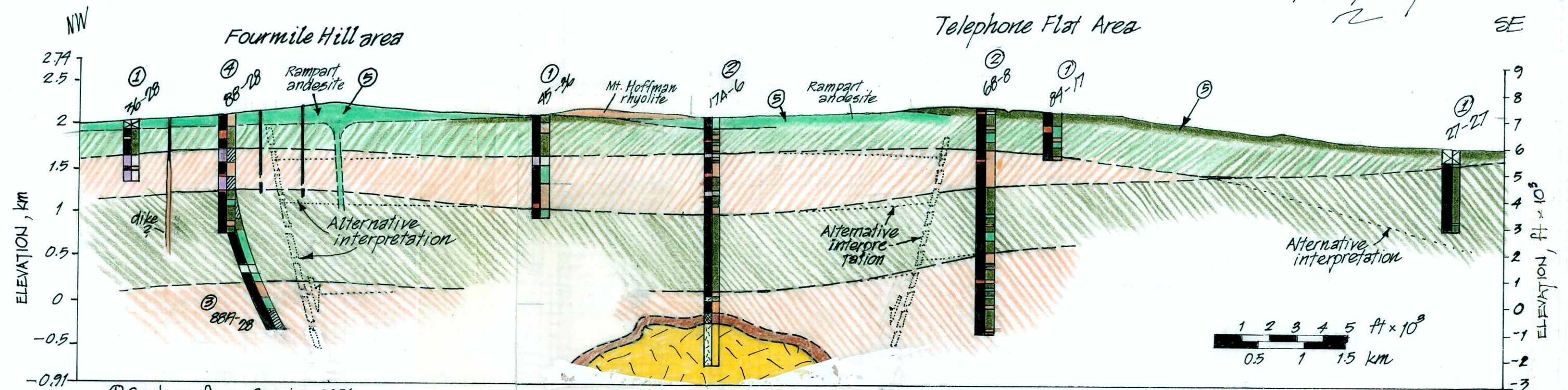


LITHOLOGY & VOLCANIC-SEQUENCE STRATIGRAPHY



- ① Geology from Carrier, 1986
- ② " " " " 1989a
- ③ " from Tecton geologic, 2002
- ④ " by J. Hulen, 2002
- ⑤ " by B. Hausback, 1983

PROVISIONAL GEOLOGIC SECTION THROUGH GLASS MOUNTAIN VOLCANO & GEOTHERMAL SYSTEM
 ** Synthesized from five sources

Flow rocks, including autobreccias

Tuffs

Debris flows, lahars, HCSF deposits, & tuffaceous sediments

recrystallized rocks

intrusive igneous rocks

Fault or fracture; arrow indicates displacement

speculative fault; arrow indicates displacement

(Note: for next version, switch colors for tuffs & granitoids)

- Felsic volcanic rocks; rhyolite, dacite, undivided
- Andesite
- Basalt and basaltic andesite, undivided
- Mixed zone; no one rock type dominant
- Hornfels and metavolcanic rocks
- Granitoids; granite to quartz diorite
- No rock composition reported
- Contact-metamorphic envelope on granitoid pluton
- Composite granitoid pluton; granite to quartz diorite

NO SAMPLE

- SEQUENCE IV: Mixed volcanics; basalt, basaltic andesite, andesite, rhyolite, and dacite; mostly flow rocks, but cinder and ash deposits and other pyroclastic rocks locally present.
- SEQUENCE III: Mixed volcanics; but felsic types abundant; tuffaceous deposits (including lahars) common; volcanoclastic sediments locally present.
- SEQUENCE II: Basalt and basaltic andesite flows; rhyolite and dacite rare to absent; tuffs and tuffaceous deposits rare to absent
- SEQUENCE I: Mixed volcanics; mafic to felsic flows; Tuffs and tuffaceous deposits rare to absent

(DRAFT) J. Hulen 12/8/02