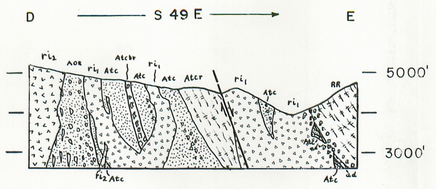
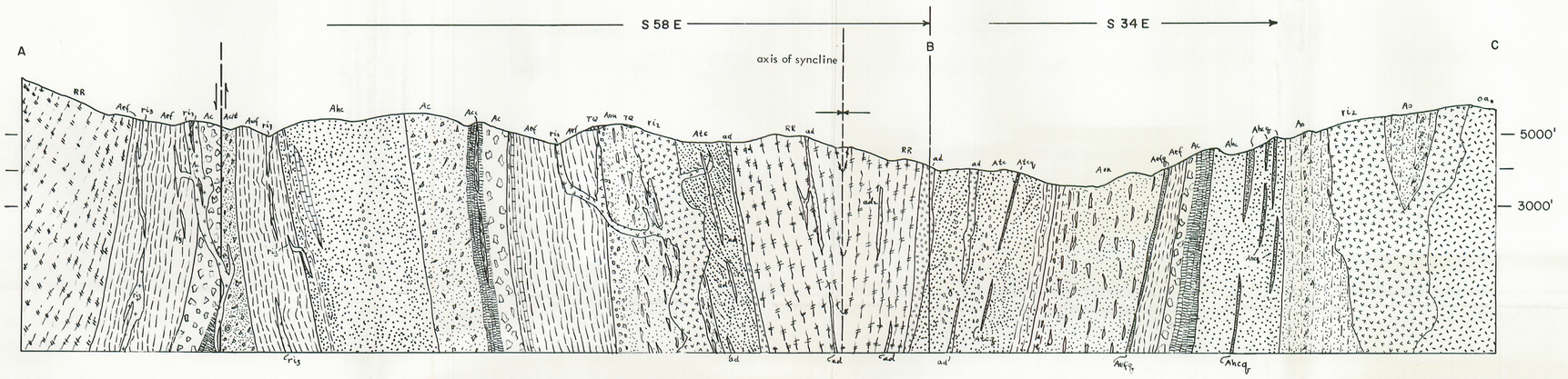
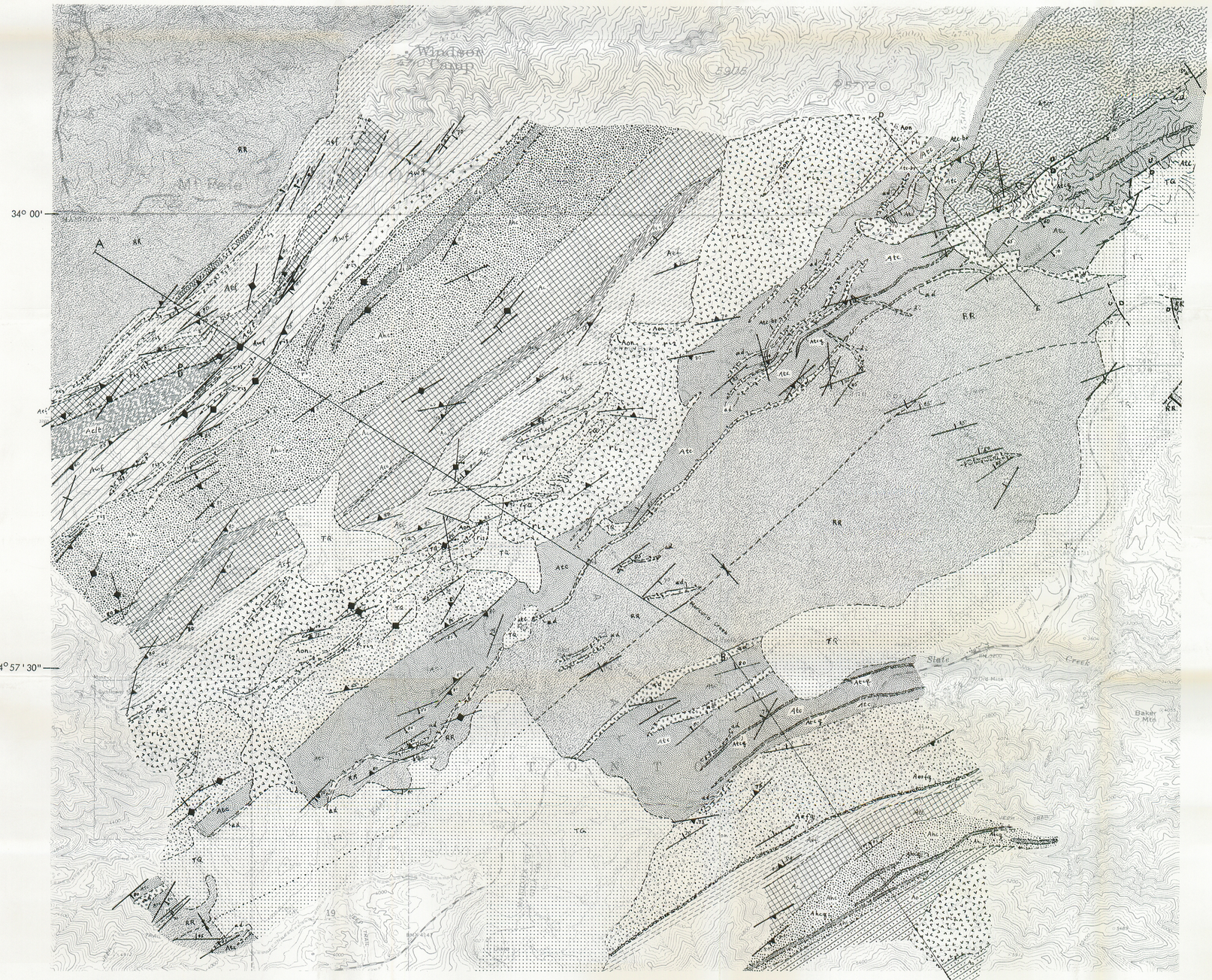
GEOLOGIC SECTIONS

(keyed by symbol but not pattern to explanation and map)



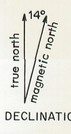




Base part of the U.S. Geological Survey topographic map of the Reno Pass Quadrangle, ed. 1964, and enlarged from part of the U.S. Geological Survey map of the Payson Quadrangle, ed. 1936

Geology by K.R. Ludwig

40 ft. contour interval



MEAN DECLINATION

GEOLOGIC MAP OF THE CENTRAL MAZATZAL MOUNTAINS, ARIZONA

SCALE 1/24000

0 1 2 miles

0 1 2 3 kilometers

1973

EXPLANATION

TERTIARY to QUATERNARY

TQ — GRAVELS AND BASALTS

(Fluviatile coarse gravels, basalt flows, sandstones, and recent alluvium)

Unconformity

di — DIORITE DIKES

(Unfoliated, unmetamorphosed, medium-grained dioritic dikes)

Oa — MT. ORD ANDESITE

(Unfoliated, porphyritic andesitic intrusive stock)

ri_3 — UNFOLIATED RHYODACITIC INTRUSIVES

(Unfoliated rhyodacite porphyry sheets and dikes)

ad — ANDESITIC - DACITIC SHEETS

(Andesitic to dacitic intrusive sheets and dikes)

ri_2 — PINE MT. PORPHYRY

(Rhyodacitic intrusive sheets, dikes, and small stocks)

ri_1 — GOLD CREEK INTRUSIVES

(Small stocks of rhyolite-rhyodacite, in part feeders to RR; generally foliated)

RR — RED ROCK RHYOLITE

(Massive welded rhyolite tuffs, breccias flow lavas, and agglomerates)

Atc — ALDER SERIES: TELEPHONE CANYON MEMBER

(Cross-bedded quartzose sandstones, conglomerates, slates, and tuffs. In Gold Creek area, includes abundant welded and unwelded tuffs and rhyolite breccias)

Atcq (Resistant quartzite)

Atcr (Massive rhyolite - welded tuffs and breccias)

Atc-br (Rhyolite breccia grading into cobble conglomerate)

Aon — ALDER SERIES: ONEIDA MEMBER

(Flattened pumice tuffs, conglomerates, minor sandstones and wackes)

Aef — ALDER SERIES: EAST FORK MEMBER

(Partly tuffaceous slates and siltstones with minor limestone and sandstone)

Aeft (Vitric tuff sub-unit)

Aefg (Resistant quartzite)

Ac — ALDER SERIES: CORNUCOPIA MEMBER

(Dacitic volcanic breccias and subaqueous lithic-crystal tuffs, mafic flows and pillow lavas, bedded cherts)

Acc (Zone of bedded chert occurence)

Ahc — ALDER SERIES: HORSE CAMP MEMBER

(Volcanic sandstones and wackes, sedimentary breccias, minor conglomerate, slate, limestone, and quartzite)

Ahcg (Resistant quartzite)

Awf — ALDER SERIES: WEST FORK MEMBER

(Slates and phyllitic siltstones)

Ao — ALDER SERIES: ORD MEMBER

(Fine-grained chloritic sandstones with intercalated dacitic tuffs; approximately correlative with Awf, Aclt)

Aclt — ALDER SERIES: CRYSTAL-LITHIC TUFFS

(Coarse, subaqueous dacitic-rhyodacitic tuffs)

PRECAMBRIAN

Contact, dashed where approximately located

Fault, showing dip; dashed where approximately located

Syncline, dashed where approximately located, dotted where concealed

Strike and dip of beds, bedding tops determined by primary features

Strike and dip of beds, bedding tops not determined

Strike and dip of beds, approximate

Strike and dip of foliation