

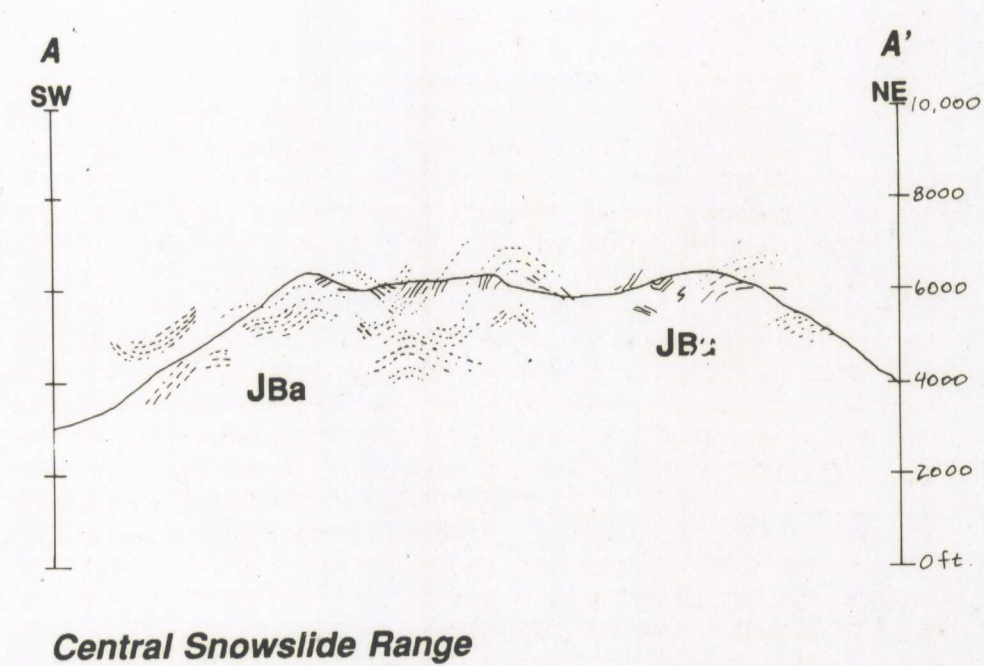
GEOLOGY OF OWEEGEE DOME
(CROSS SECTIONS)
DELTA PEAK (104A/12) AND TAFT CREEK (104A/11W) MAP AREAS,
NORTHWESTERN BRITISH COLUMBIA

C.J. GREIG and C.A. EVENCHICK
(with contributions by M.H. Gunning, B.D. Ricketts and S.P. Porter)

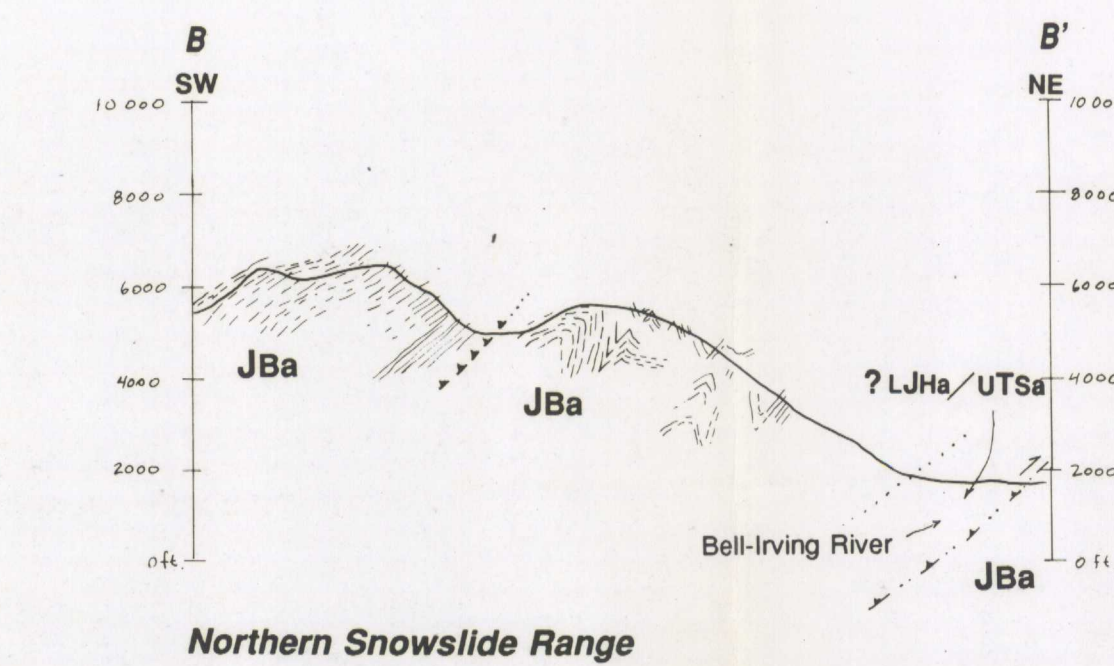
Scale 1:50,000

LEGEND

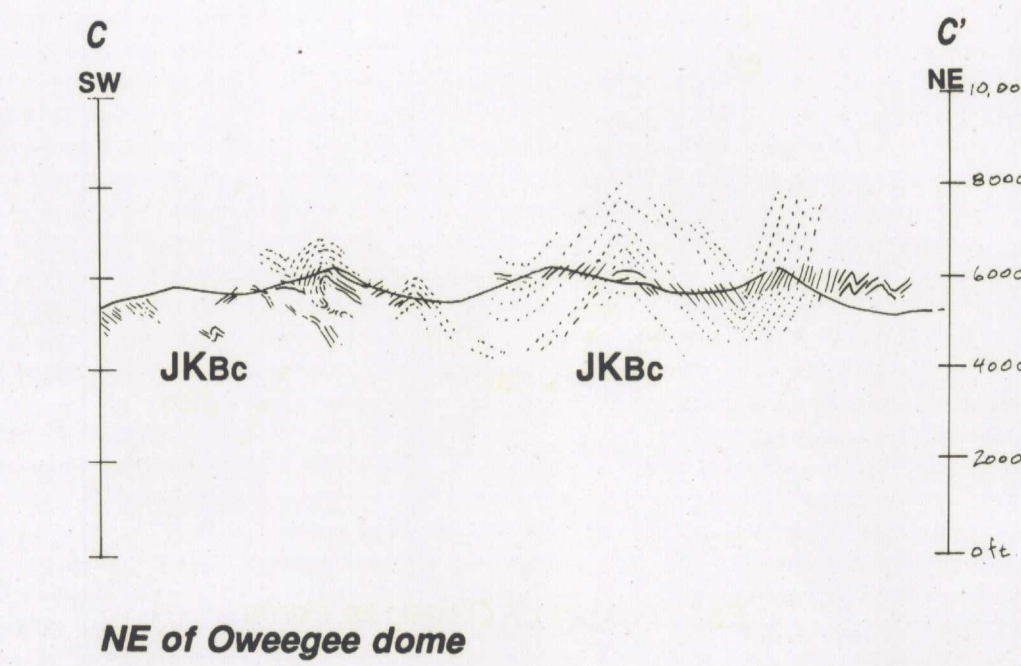
- QUATERNARY**
- Q thick drift: colluvium, alluvium, till.
- STRATIFIED ROCKS**
- MIDDLE(?) AND UPPER JURASSIC TO LOWER CRETACEOUS(?)**
BOWSER LAKE GROUP
- JKBc chert litharenite lithofacies: fine to medium grained, moderately well sorted chert litharenite, interbedded silty mudstone, common bivalve coquinas, rare chert pebble conglomerate.
- MIDDLE(?) AND UPPER JURASSIC**
BOWSER LAKE GROUP
- JBs silty mudstone lithofacies: bioturbated silty mudstone with regularly interbedded, buff weathering, Fe-carbonate cemented fine grained sandstone.
 - JBa arkosic volcanic litharenite turbidite lithofacies; thin and medium bedded, fine to medium grained, poorly sorted arkosic litharenite with interbedded silty mudstone.
 - JBp pyritic silty mudstone lithofacies; pyritic, siliceous, tuffaceous silty mudstone, fine to medium grained lithic arkose.
- LOWER AND MIDDLE JURASSIC**
HAZELTON GROUP
SALMON RIVER FORMATION
- LMJSa thin bedded siliceous silty mudstone, clay-altered dust(?), discontinuous limestone lenses.
 - LMJSb amygdaloidal pillow basalt, basalt pillow breccia, tuff-breccia and debris flow breccia.
 - LMJSr rhyodacite lapilli tuff-breccia; locally welded.
 - LMJS fossiliferous limy, coarse grained arkose; polymict pebble, boulder and cobble conglomerate.
 - LMJSp pyritic silty shale and mudstone.
 - LMJS undivided Spatsizi Group
- LOWER JURASSIC**
HAZELTON GROUP
- LJHr felsic lapilli tuff-breccia, ash and dust tuff.
 - LJHc boulder and cobble conglomerate, pebbly sandstone, well-stratified, green and maroon ash, lapilli and dust tuff, tuffaceous arkose and mudstone.
 - LJHv intermediate to mafic plagioclase-pyroxene and subordinate plagioclase-hornblende phytic lapilli tuff-breccia, lapilli, ash and dust tuff, flows; derived debris flows, arkose and siltstone.
 - LJHa thick bedded and massive tuffaceous arkose and siltstone with abundant syn-depositional soft-sediment deformation structures; mafic to intermediate fragmental volcanic rocks and associated debris flows.
- UPPER TRIASSIC**
STUHNI GROUP
- UTSa plagioclase-pyroxene crystal tuff turbidite arkose and siltstone, plagioclase-pyroxene phytic mafic to intermediate lapilli and ash tuff, tuff-breccia and rare flows; minor limestone lenses.
- PALEOZOIC**
STIKINE ASSEMBLAGE
- PERMIAN**
- PSi medium and thick bedded to massive bioclastic limestone with chert interlayers; thin-bedded micrite.
- DEVONIAN AND MISSISSIPPIAN**
- DMSv mafic to intermediate plagioclase-pyroxene phytic lapilli tuff, lapilli tuff-breccia, and flows; plagioclase phytic amygdaloidal andesite(?) flows; rhyolite and rhyodacite lapilli tuff-breccia.
- INTRUSIVE ROCKS**
- MJI pyroxene diorite sills.
- MAP SYMBOLS**
- Limit of thick Quaternary drift.
 - Geologic contact: defined, approximate, inferred.
 - Thrust or reverse fault, defined, approximate, inferred; teeth on upthrown side.
 - High angle fault, defined, approximate, inferred; ball on downthrown side.
 - Bedding: inclined, vertical, overturned, estimated: v-gentle (<10°), g-gentle (10°-30°), m-moderate (30°-50°), s-steep (50°-70°), vs-very steep (>70°).
 - Bedding formlines.
 - Cleavage: inclined, vertical.
 - Minor fold axis, plunge.
 - Anticline, overturned anticline, trace of axial surface: defined, approximate; arrow indicates vergence direction.
 - Syncline, overturned syncline, trace of axial surface: defined, approximate; arrow indicates vergence direction.
 - Line of cross-section



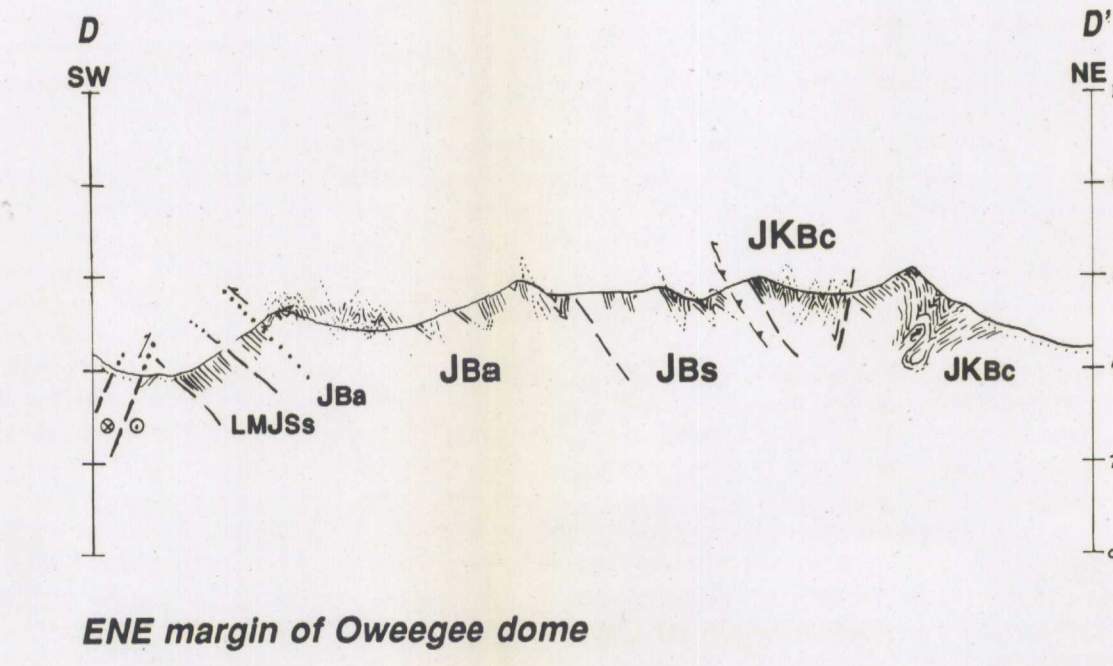
Central Snowslide Range



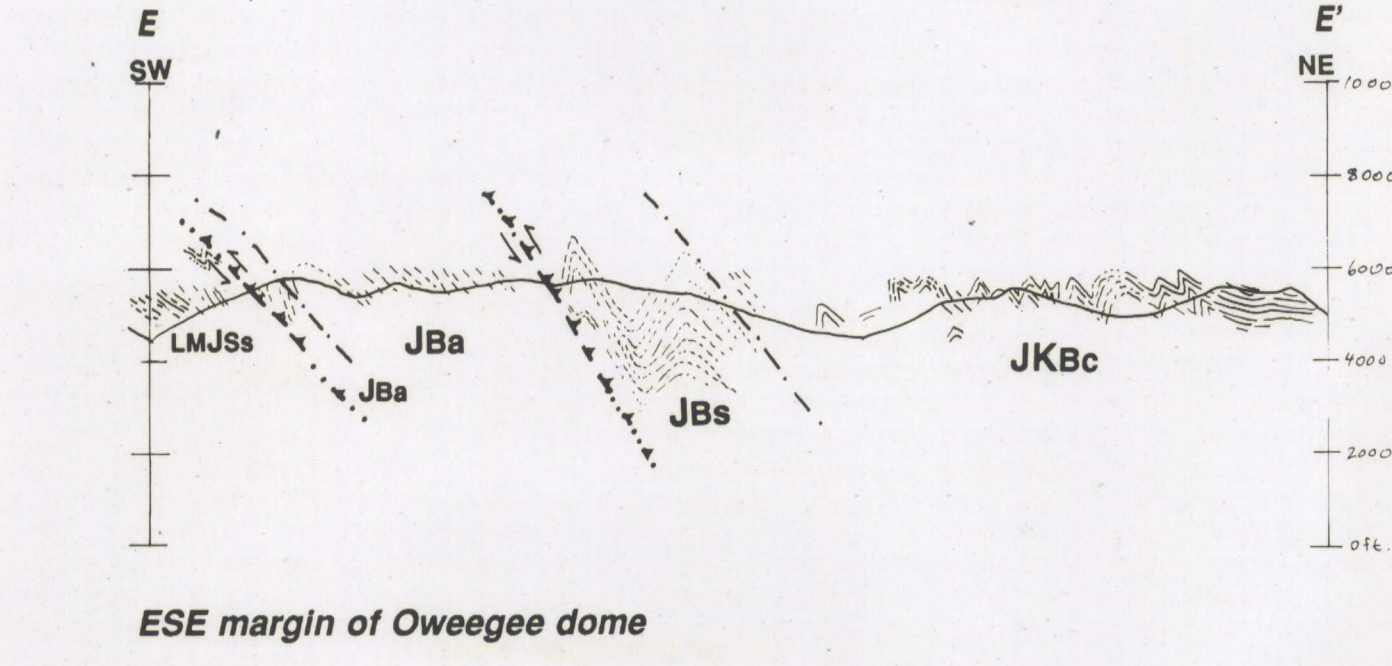
Northern Snowslide Range



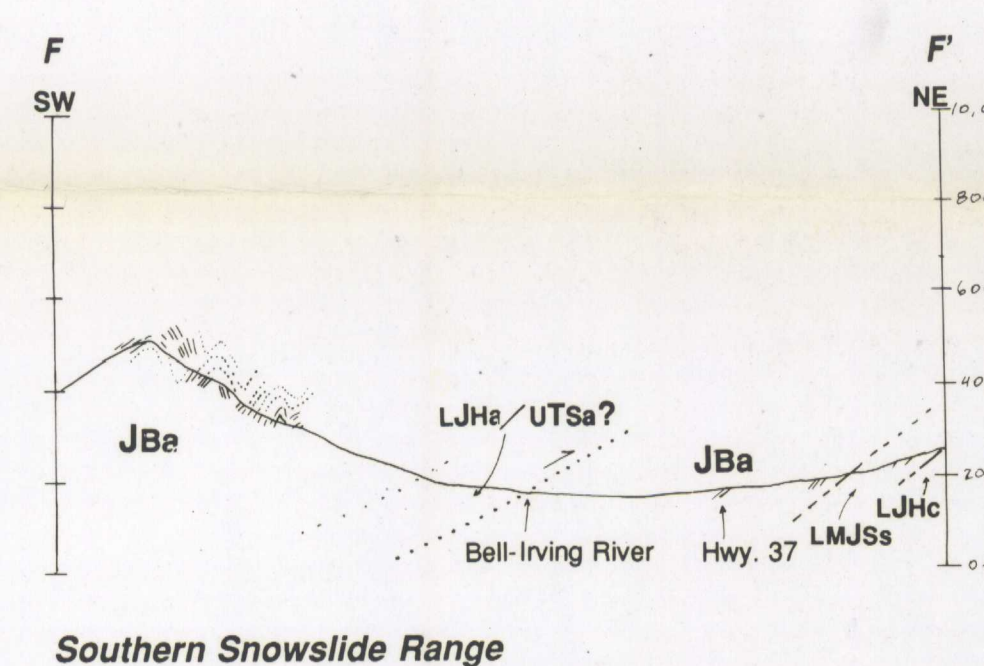
NE of Oweege dome



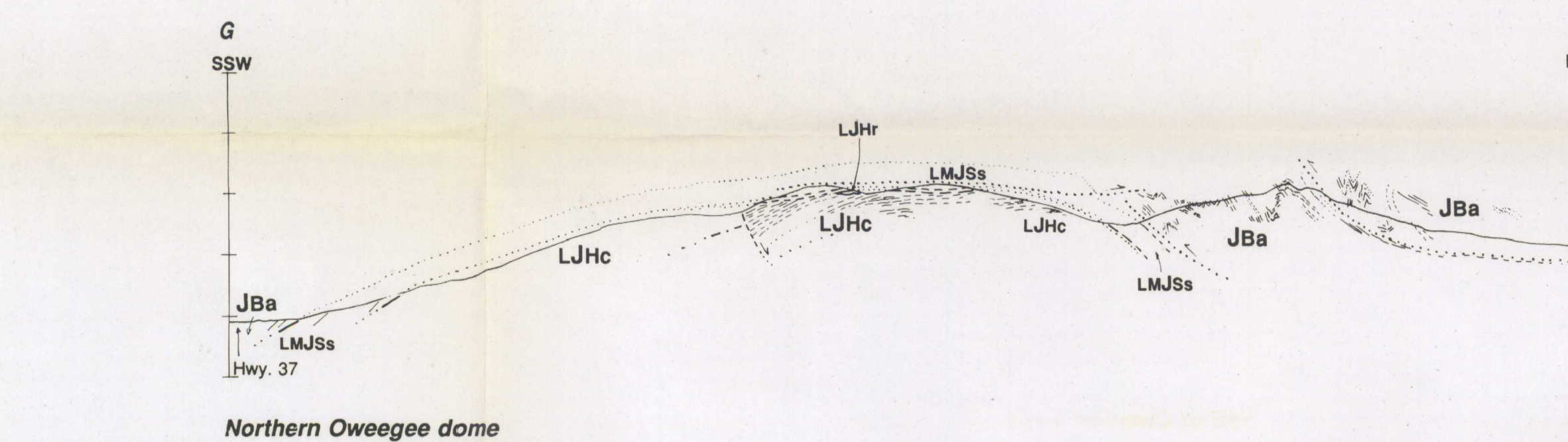
ENE margin of Oweege dome



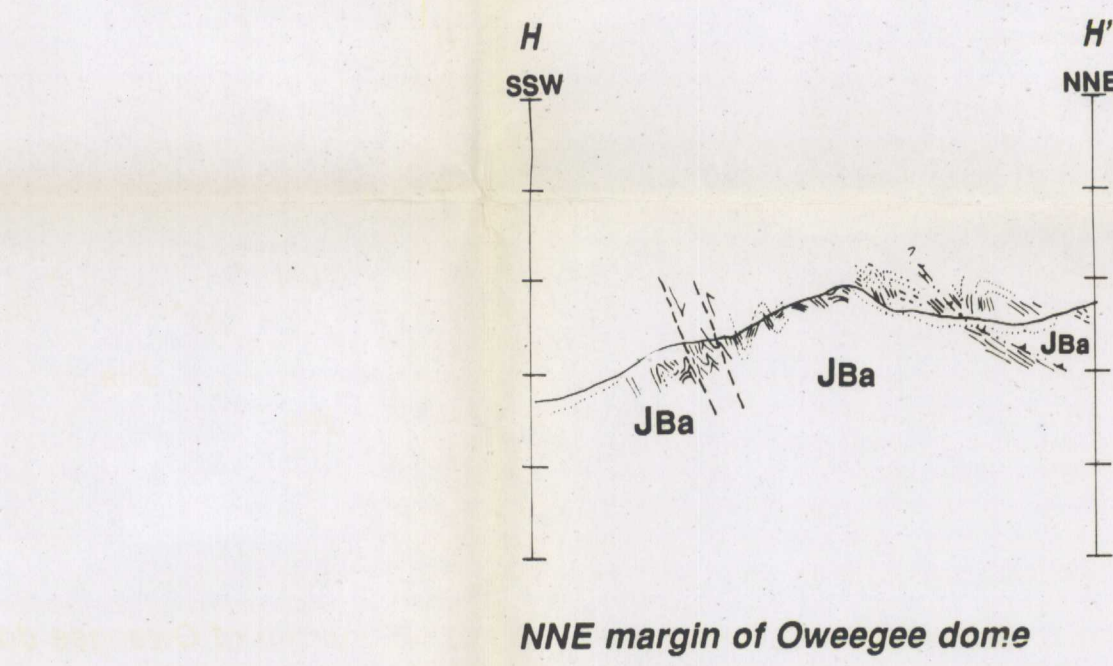
ESE margin of Oweege dome



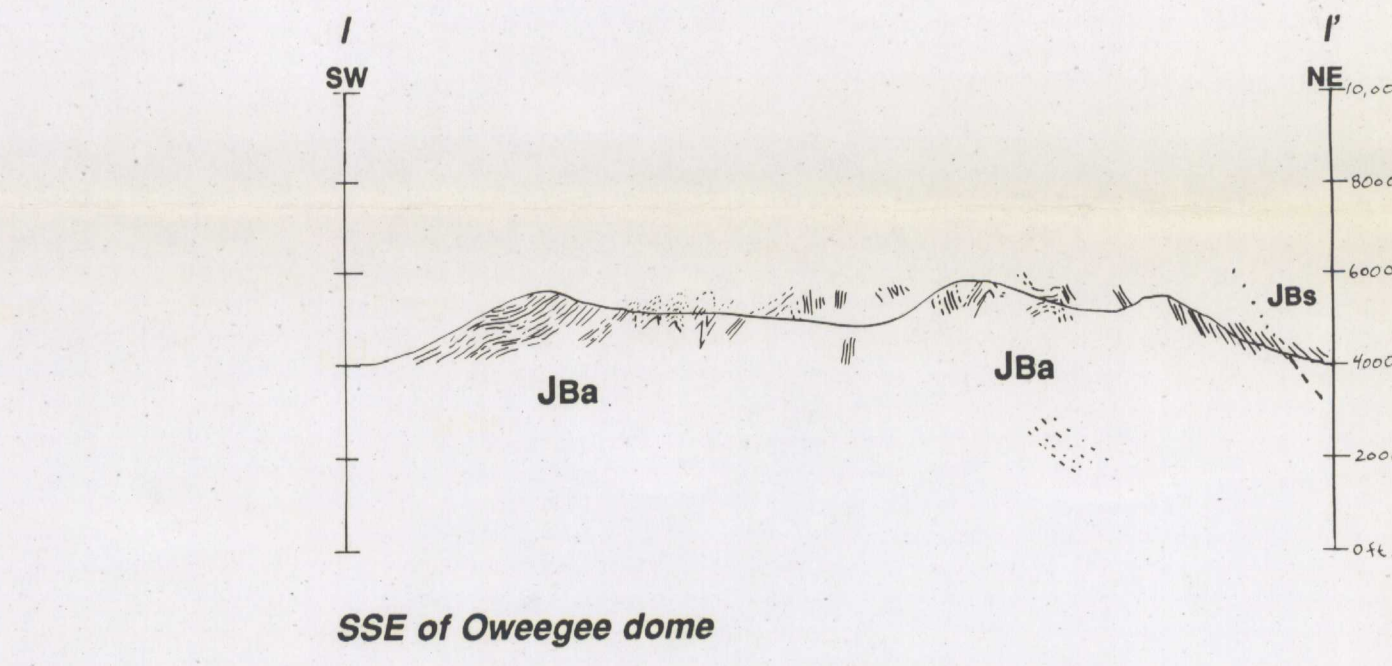
Southern Snowslide Range



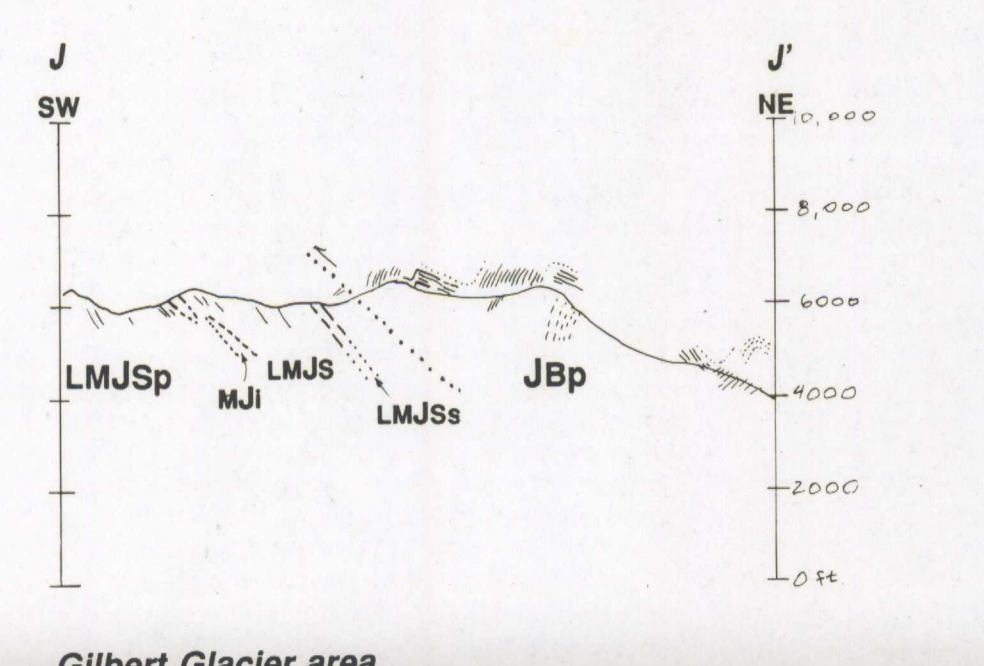
Northern Oweege dome



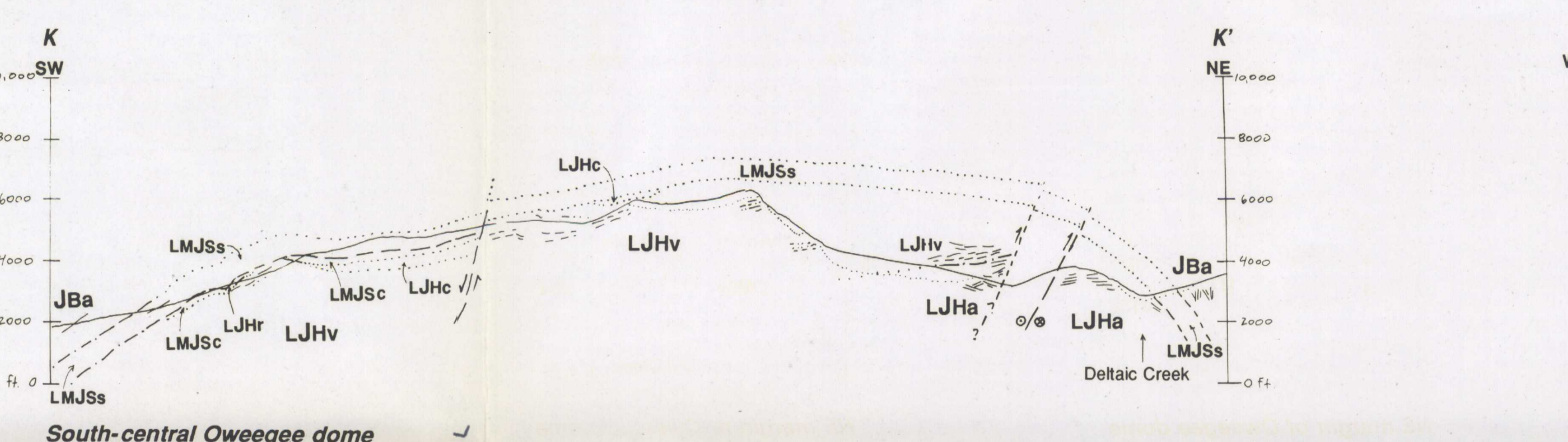
NNE margin of Oweege dome



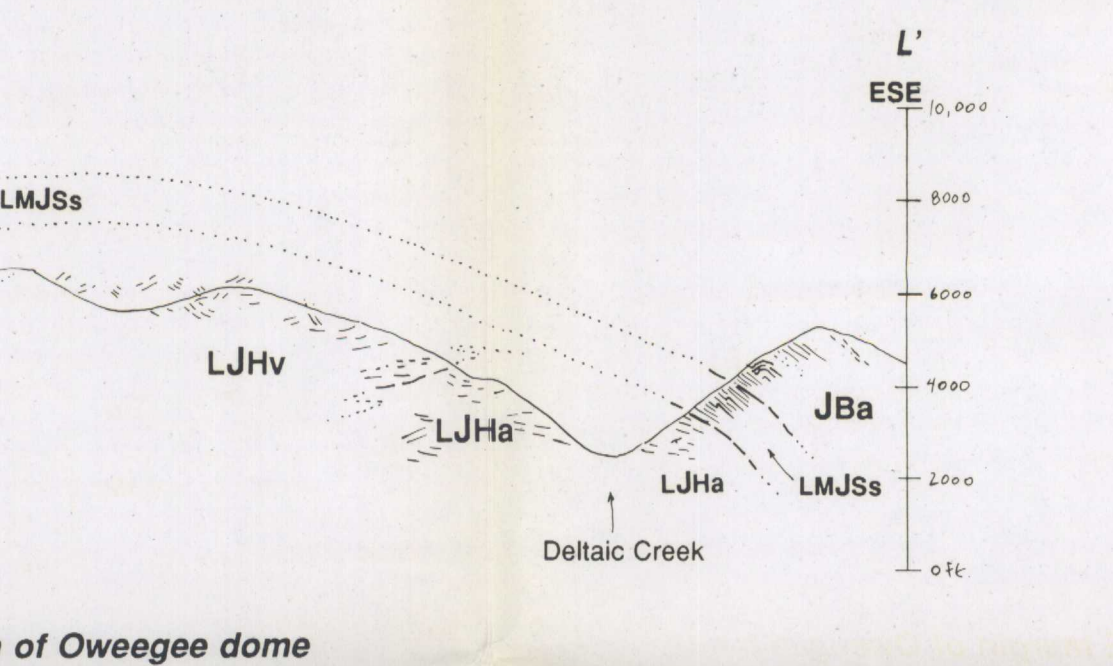
SSE of Oweege dome



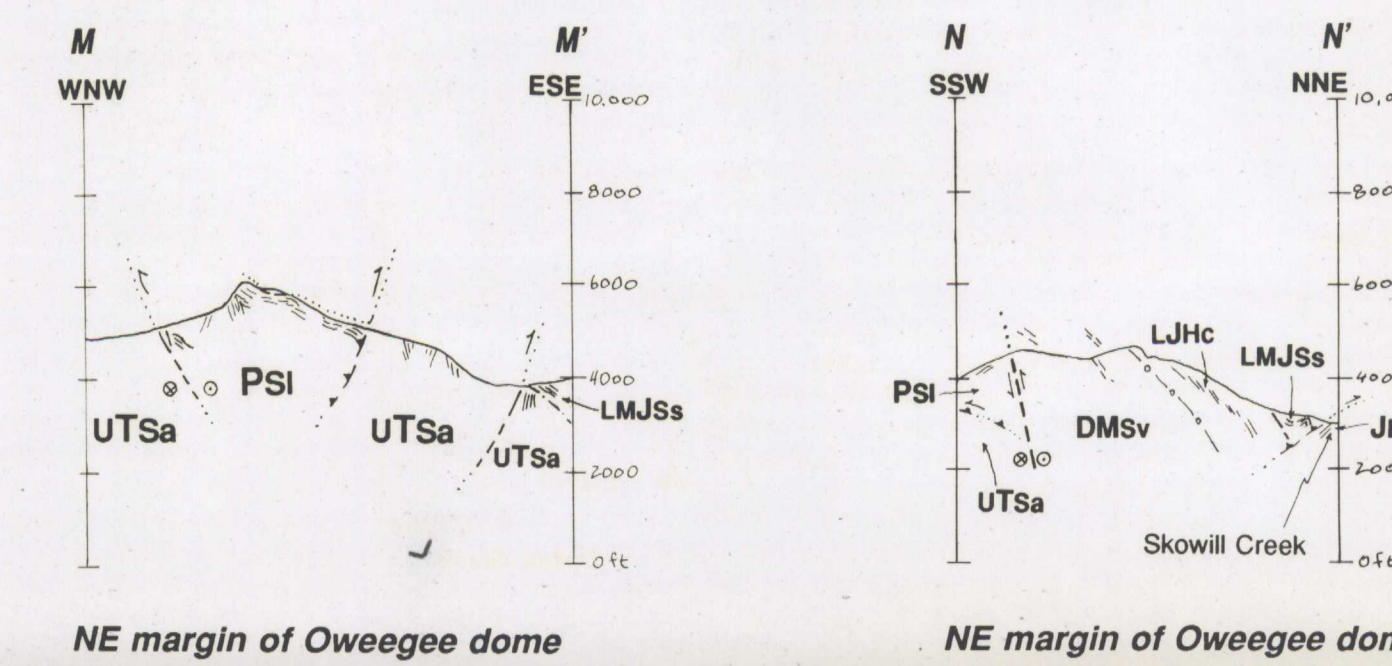
Gilbert Glacier area



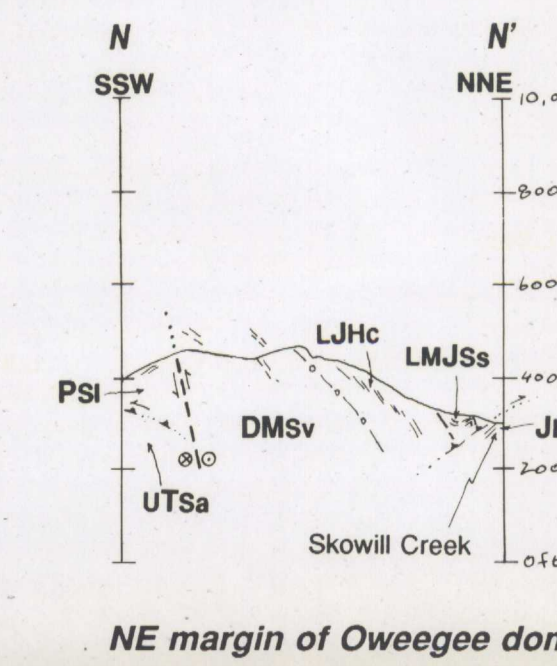
South-central Oweege dome



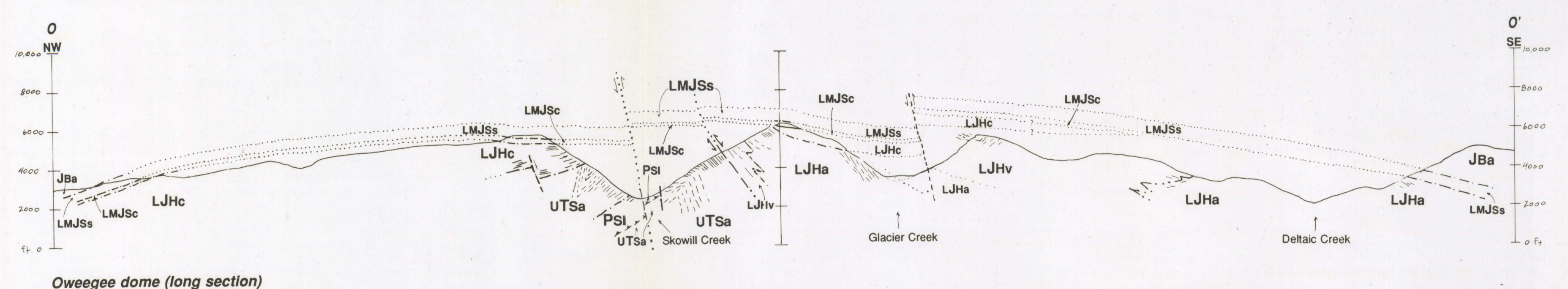
SE margin of Oweege dome



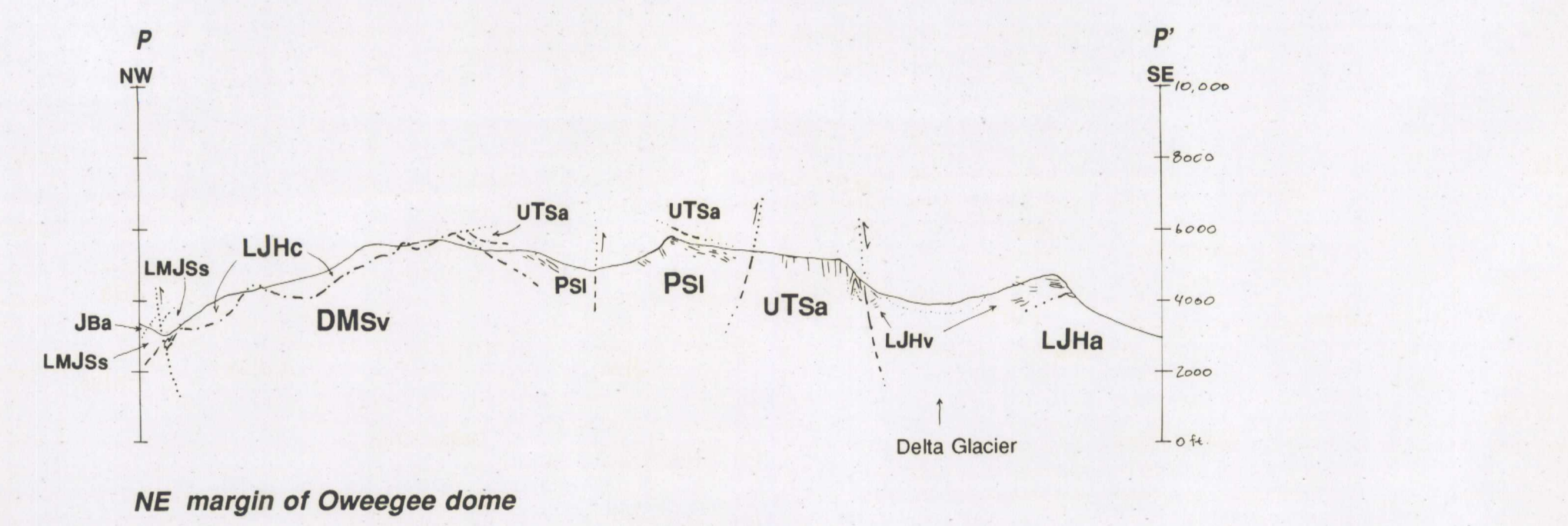
NE margin of Oweege dome



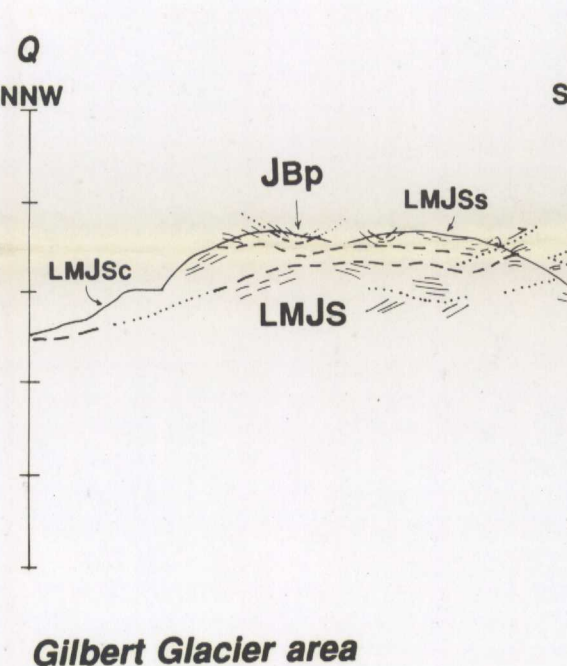
NE margin of Oweege dome



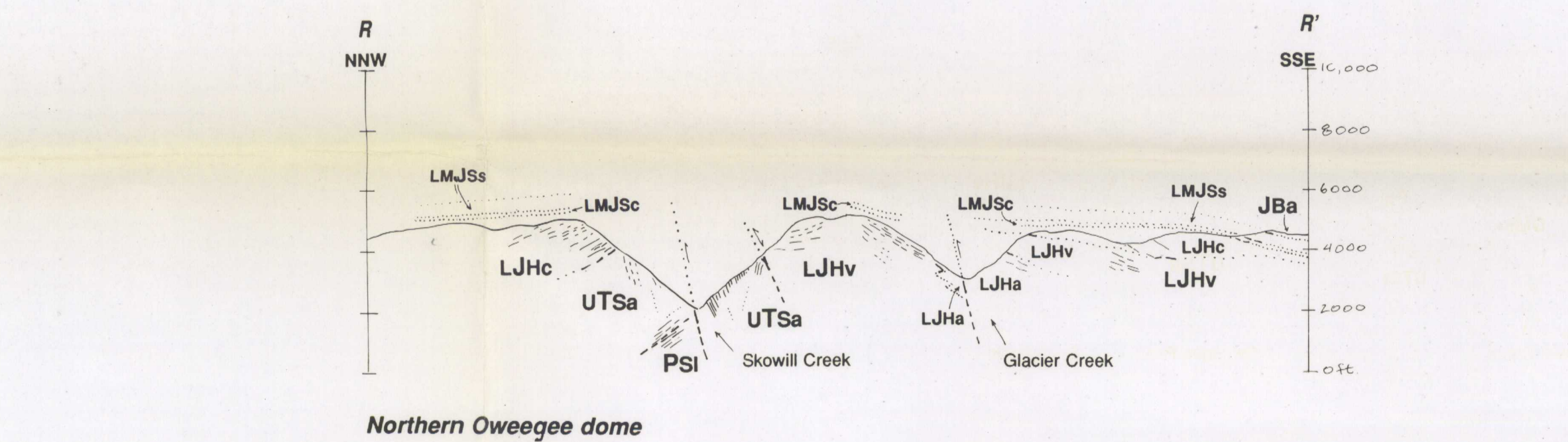
Oweege dome (long section)



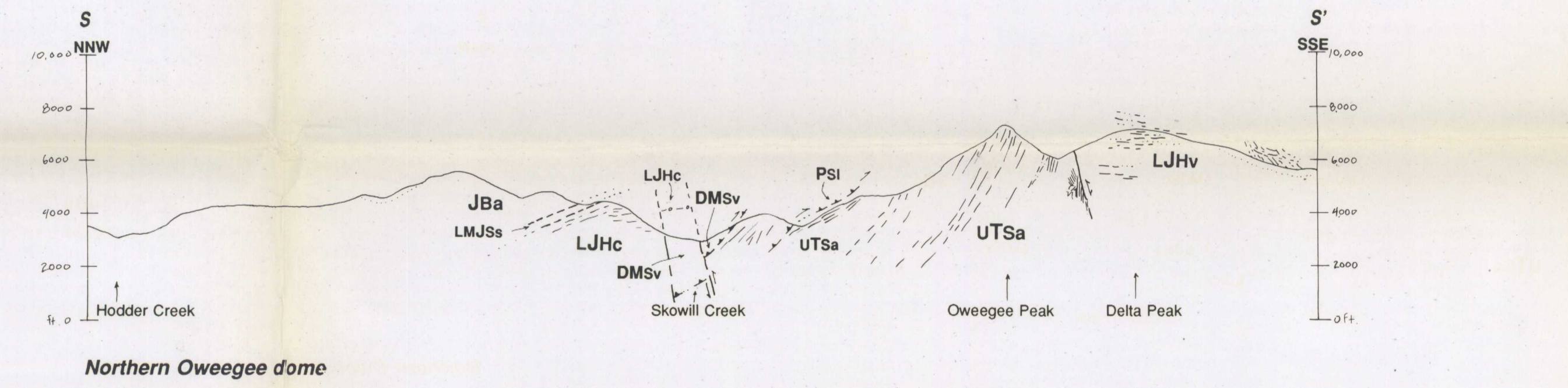
NE margin of Oweege dome



Gilbert Glacier area



Northern Oweege dome



Northern Oweege dome

No vertical exaggeration