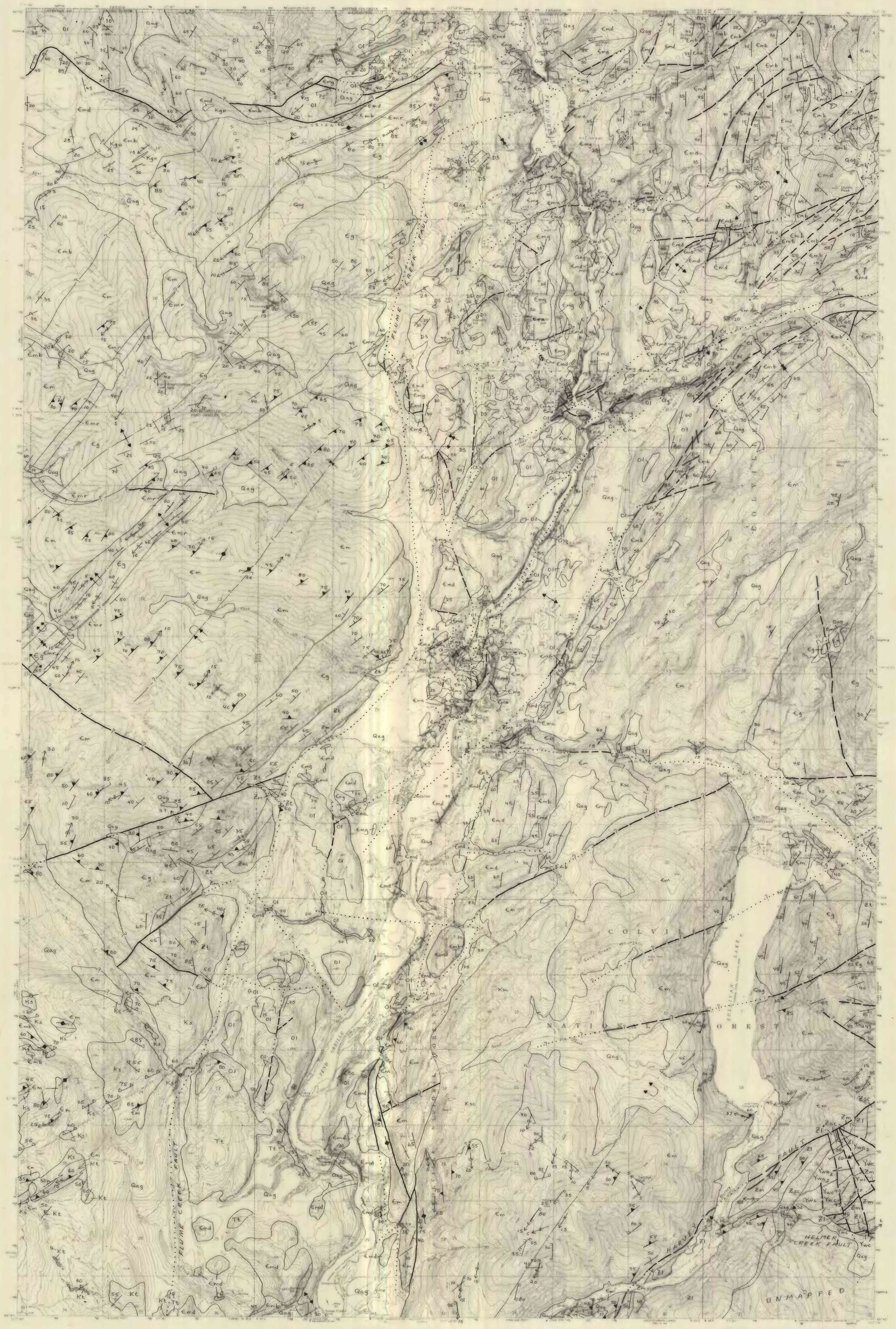


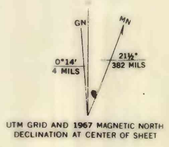

Base from USGS 7.5' topographic series: Boundary Dam, 1967; Abercrombie Mtn., 1967; Metaline, 1967; and Metaline Falls, 1967

Geology by R.F. Burmester and F.K. Miller, 1981 and 1982; assisted by K.E. Silver, 1981

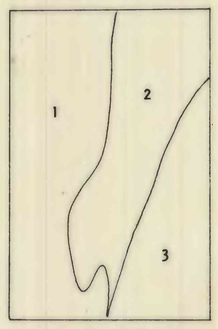
Scale 1:48,000

Contour interval 40 feet

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.



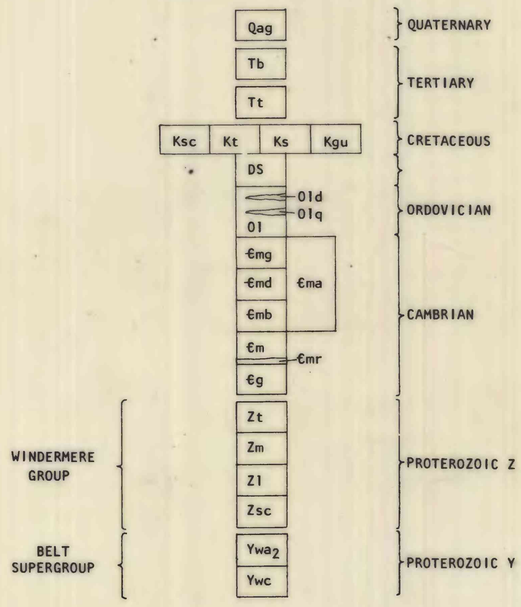

UTM GRID AND 1967 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET




INDEX TO GEOLOGIC MAPPING

1. R.F. Burmester
2. Dings and Whitebread (1965)
3. F.K. Miller

CORRELATION OF MAP UNITS




Qag--Glacial and alluvial material
Tb--Olivine trachybasalt of Dings and Whitebread (1965)
Tt--Tiger Formation
Ksc--Monzogranite of Sand Creek
Kt--Two-mica granitic rocks undivided
Ks--Granitic rocks of the Spirit Pluton
Kgu--Granitic rocks undivided
DS--Silurian and Devonian rocks undivided
Ꞓl--Ledbetter Slate; Ꞓlq, quartzite; Ꞓld, dolomite
Ꞓmg--Metaline Limestone, massive gray limestone
Ꞓmd--Metaline Limestone, bedded dolomite
Ꞓmb--Metaline Limestone, bedded limestone
Ꞓma--Metaline Limestone, altered rock
Ꞓm--Maitlen Phyllite; Ꞓmr, limestone (Reeves member of Yates, 1964)
Ꞓg--Gypsy Quartzite

Windermere Group

Zt--Three Sisters Formation
Zm--Monk Formation
Zl--Leola Volcanics
Zsc--Shedroof Conglomerate

Belt Supergroup

$Ywa_2$--Wallace Formation, upper argillite
Ywc--Wallace Formation, carbonate rock

CONTACT-Approximately located, queried where uncertain

FAULT-Dashed where approximately located, dotted where concealed, queried where uncertain

ANTICLINE

SYNCLINE

OVERTURNED ANTICLINE

OVERTURNED SYNCLINE

STRIKE AND DIP OF BEDS

Inclined

Vertical

Overturned

Horizontal

Variable attitude

STRIKE AND DIP OF FOLIATION

Inclined, secondary

Vertical, secondary

Inclined, primary igneous

Vertical, primary igneous

Variable attitude, inclined

Variable attitude, vertical

STRIKE AND DIP OF CLEAVAGE

Inclined

Vertical

Slip cleavage, inclined

Slip cleavage, vertical

BEARING AND PLUNGE OF LINEATIONS

Minor fold axes

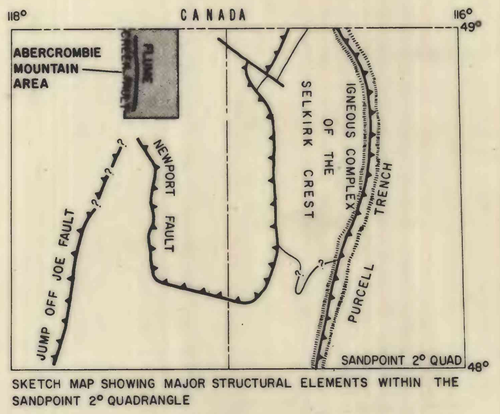
Crenulations

Crenulations, symmetrical about axes

Intersection of bedding and cleavage

Aligned minerals, secondary

NOTE: Symbols may be used in combination




SKETCH MAP SHOWING MAJOR STRUCTURAL ELEMENTS WITHIN THE SANDPOINT 2° QUADRANGLE

# PRELIMINARY GEOLOGIC MAP OF THE ABERCROMBIE MOUNTAIN AREA, PEND OREILLE COUNTY, WASHINGTON

BY

RUSSELL F. BURMESTER AND FRED K. MILLER

1983