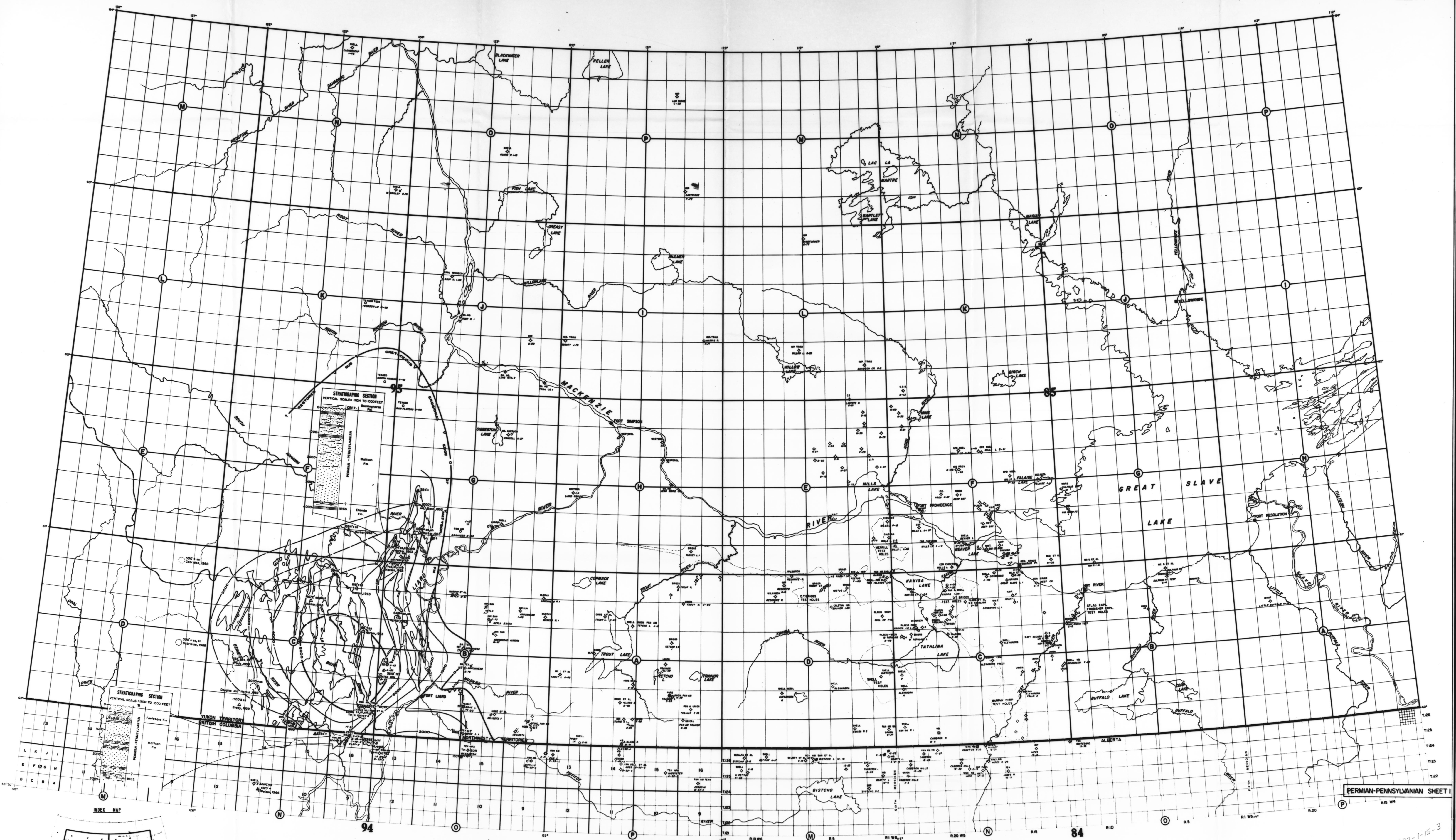




LITHOLOGIC SYMBOLS

- Contour, no sample
- Sandstone (ss)
- Siltstone (st)
- Shale (sh)
- Compag. shale (csh)
- Brachiopod (br)
- Limestone (ls)
- Bedded (bd)
- Dolomite (do)
- Amphibolite (am)
- System (sgt)
- Chert (ch)
- Salt
- Spores and macrofossils (sp)

STRATIGRAPHIC SYMBOLS

- Original depositional or erosional limit of stratigraphic unit prior to burial by overlying strata
- Present depositional or depositional (topographic) limit of stratigraphic unit
- Limit of cover by younger rocks, generalized or limited in scope of complex outcrop patterns
- Face change
- Unconformity
- Topographic contour in flat, dashed where required
- Fault

LEGEND

- Surface stratigraphic section compiled photographically by V. Zay Smith Associates Ltd.
- Surface stratigraphic section measured in field or compiled by V. Zay Smith Associates Ltd.
- Published or open file surface stratigraphic section measured or observed in field
- Data derived by surface elevation relationships
- Point
- Oil, mineral, petroleum, bitumen
- Geographic location of stratigraphic data indicating composite stratigraphic section measurement
- Subsurface stratigraphic data adapted from well
- Douglas, 1966
- Reference source of data as given in Bibliography of report

SUBSURFACE SYMBOLS

- SCM: Seals in older rocks
- NI: No information
- NR: Not reached
- 2800: Unit not completely penetrated
- U: Unit absent because of redeposition or erosion
- 2800: Thickness of unit completely penetrated

DRILLSTEM TEST SYMBOLS

- NT: No test information
- NT: Not division tested
- NAT: Not absolutely division tested
- NAT: Not absolutely division tested because of mud
- TM: Tested mud
- TG: Tested gas
- TO: Tested oil
- TW: Tested salt water
- TW: Tested fresh water
- TW: Tested surface water

WELL SYMBOLS

- Well location or drilling well
- Dry and abandoned well
- Oil well
- Capped oil well
- Gas well
- Capped gas well
- Oil and gas well
- Capped oil and gas well
- Well locations as of September 1, 1966

STRATIGRAPHIC MAP

MACKENZIE BASIN AREA

YUKON AND NORTHWEST TERRITORIES

PERMAN AND PENNSYLVANIAN SYSTEMS

(Top Fentosse Fm. to Base Mattson Fm.)

showing interpreted distribution, thickness and lithology prior to Laramide deformation and subsequent erosion.

CONTOUR INTERVAL 1000 FEET

SCALE 1 INCH TO 20 MILES

Prepared by
V. ZAY SMITH ASSOCIATES LTD.
CALGARY, ALBERTA
1966