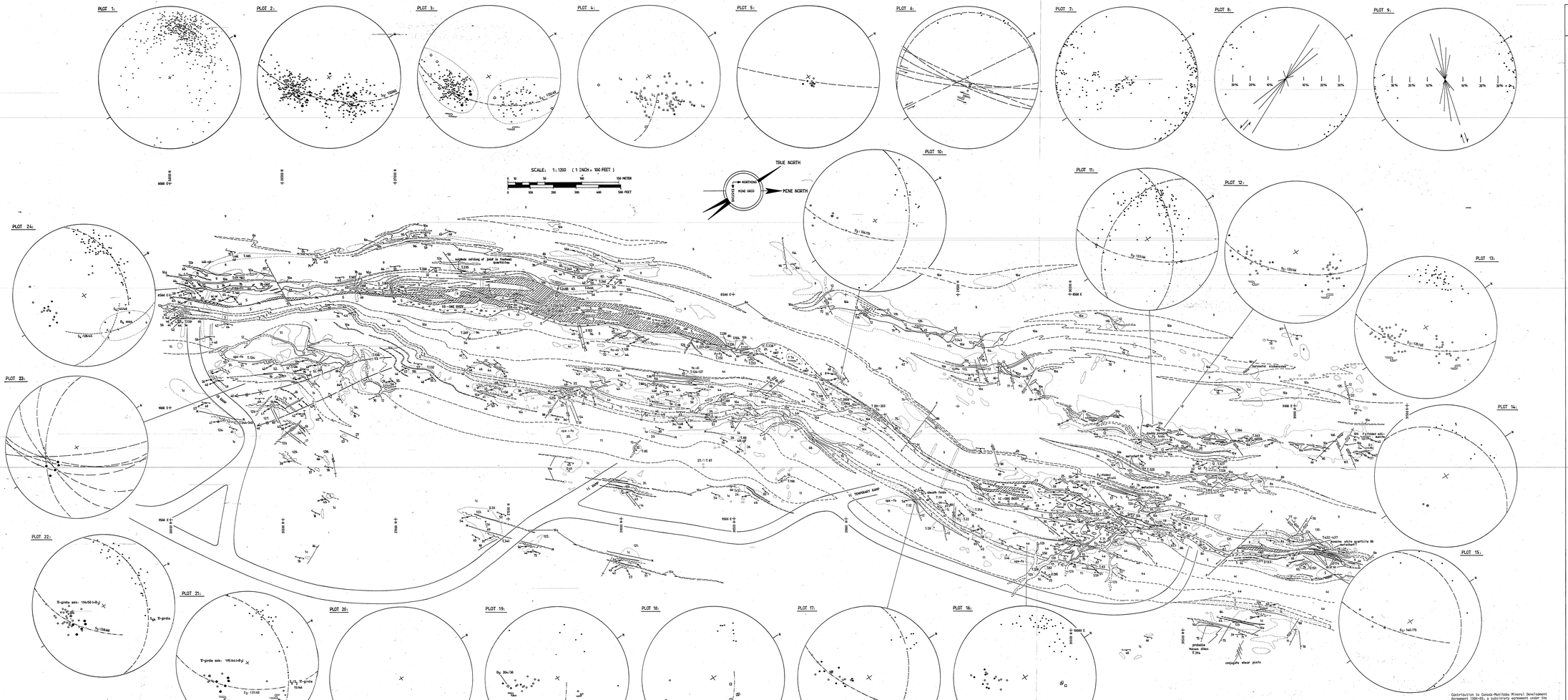
THOMPSON PIT



LEGEND:

GENERAL SYMBOLS AND ABBREVIATIONS:

- 124 — outcrop limits and station number
- *144 — surveyed geology point
- + — cross-point in mine grid, every 500 feet
- ▲T.396 — sample number and approximate sample locality; where given, ▲ indicates exact locality
- lithological boundary, observed
- lithological boundary, concealed or interpreted
- gt — garnet
- sil — sillimanite
- co — corundum
- di — diopside
- fo — forsterite
- opx — orthopyroxene
- chl — chlorite
- calt — preserved cumulate texture

STRUCTURAL SYMBOLS:

- 60 — attitude of main layer-parallel transposition foliation, S_0/S_1 in metasediments or S_{gneiss} (gneissic layering) in gneisses
- trace of superimposed foliations
- fold surface mapping of diagnostic fold structures; dashed line generally indicates S_0/S_1 or S_{gn}
- trend and plunge of fold axis, generation unspecified
- F_1, F_2, F_3, F_4 fold axes
- trend and plunge of lineation, unspecified
- specified lineations: c= crenulation lineation, a= amphibole mineral lineation, s= stretching lineation sil= sillimanite mineral lineation, bi= biotite mineral lineation
- F_1, F_2 — diagnostic fold structures
- macroscopic fold axes
- mylonitic shear zone
- phyllonitic shear zone
- 60 — fault, attitude indicated; displacement unspecified
- strike-slip fault, shear sense indicated
- 90 — joint, dipping 50° or vertical
- shear joint

LITHOLOGY:

EARLY PROTEROZOIC: INFRACRUSTAL:

- 13 — white vein quartz
- 12 — 12b — late-kinematic pegmatite and granite
- 11 — 11a — early- to syn-kinematic pegmatite
- 11 — brecciated-fractured porphyroblastic ultramafite; probably metamorphosed Moison dike
- 10 — 10a — amphibolite; unspecified; possibly metamorphosed Moison dikes
- 10 — 10b — mafic schist

SUPRACRUSTALS

- 9 — feldspathic quartzites with intercalated garnet-sillimanite schists("hackwall quartzites")
- 8b — meta-chert
- 8 — 8a — iron formation, silicate facies
- 8 — 8F — minor intercalations of iron formation
- 5 — garnet-sillimanite-K-feldspar-biotite schists
- 4 — 4d — forsterite-diopside-chlorite-calcite; intercalations of pink quartzites and diopside-rich calc-silicate gneisses
- 4 — 4a — calc-silicate gneisses("skarn")
- 4 — biotite gneiss intercalation
- 3 — veined biotite gneiss
- 2 — laminated feldspathic quartzites("hangingwall quartzites")

ORE ZONE AND ASSOCIATED ROCKS

- 6a — massive sulphide ore
- 6 — 6b — inclusion-rich breccia ore
- 6 — 6c — minor disseminations sulphide stringers conformable with or locally cross-cutting the main foliation; generally extremely graphitic
- 7 — 7a — serpentinized peridotite with net-textured interstitial sulphides
- 7 — 7b — ultramafite, unspecified; serpentinized or with talc-carbonate alteration
- disrupted differentiated ultramafic sills or flows

ARCHEAN:

- 1 — 1c — granitoid gneisses
- 1 — 1b — amphibolite; disrupted mafic bodies
- 1 — 1a — heterogeneous biotite gneisses, locally with garnet and/or sillimanite; rare calc-silicate rich bands

REWORKED BASEMENT

OPEN FILE
DOSSIER PUBLIC
2089
GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA
OTTAWA
1989

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SCALE: 1:1200 (1 INCH = 100 FEET)

W. SLEMKO NOV. 1987

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Manitoba Energy and Mines

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