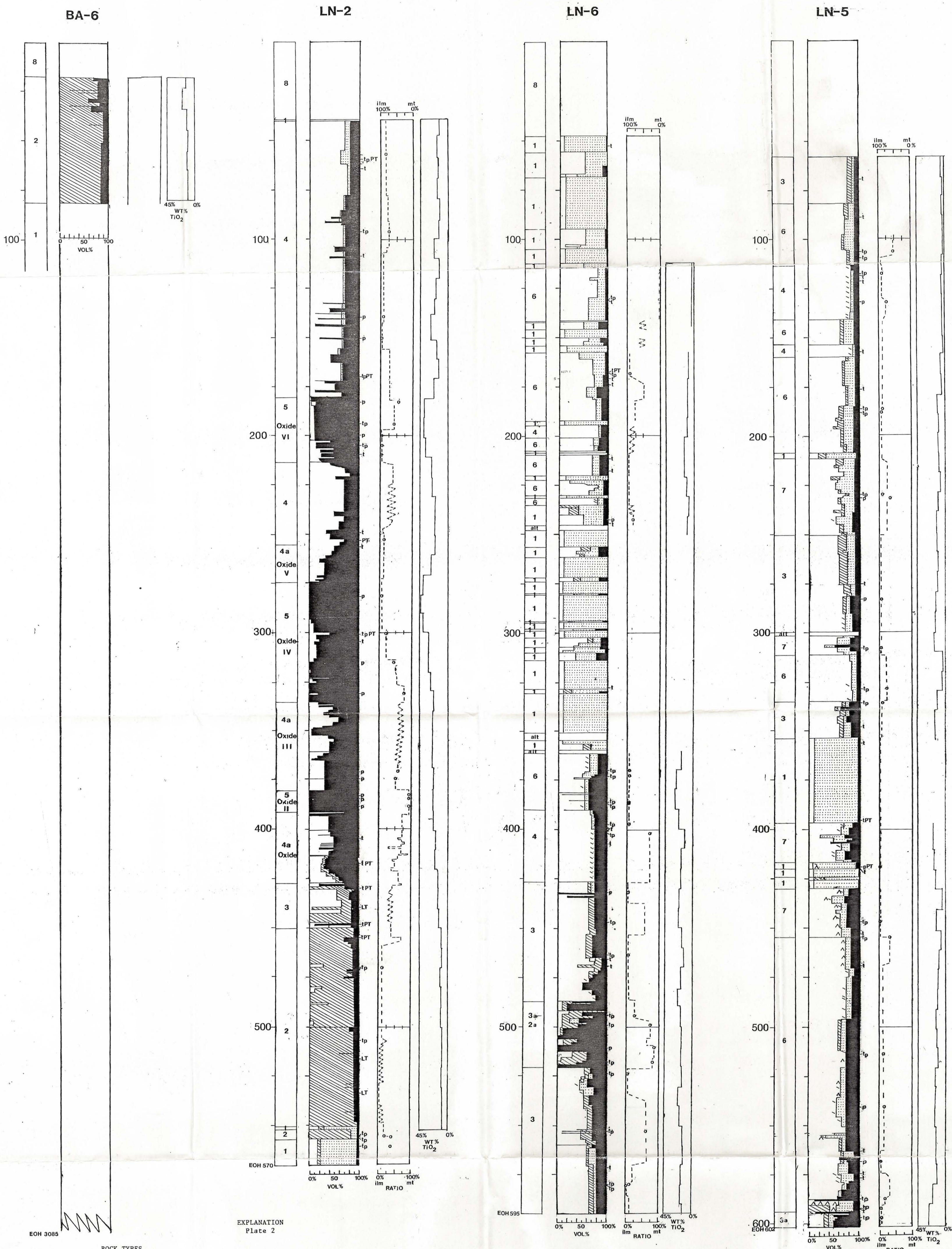
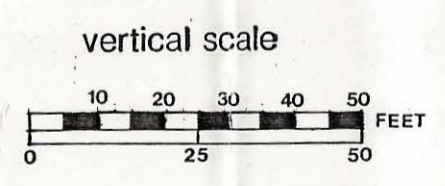


# GEOLOGY OF THE LONGNOSE PERIDOTITE



- ROCK TYPES**
- 8 Peat, till, muskeg
  - 7 Picrite
  - 6 Oxide feldspathic dunite
  - 5 Massive oxide rock (greater than 80% oxides)
  - 4 Oxide dunite
  - 3 Oxide peridotite / oxide feldspathic peridotite
  - 2 Oxide clinopyroxenite / oxide olivine clinopyroxenite
- MINERAL SYMBOLS**
- Olivine
  - Plagioclase less than 5%
  - Augite less than 5%
  - Hornblende less than 5%
  - Oxides, undifferentiated
- OTHER SYMBOLS**
- o Ilmenite / titanomagnetite ratio based on polished section (column 3)
  - LT Large thin section sample
  - PT Polished thin section sample
  - p Polished section sample
  - t Thin section sample
  - Approximate ilmenite / titanomagnetite ratio based on drill core hand sample (column 2)
  - TiO<sub>2</sub> % based on geochemical analyses of 10 foot samples (column 4)
- EXPLANATION OF COLUMNS (from left to right)**
- First column: displays the rock types and scale
  - Second column: displays mineral modes by volume based on hand sample and thin section samples, and sample type locations.
  - Third column: displays the ratio of ilmenite / titanomagnetite based on hand sample and polished sections.
  - Fourth column: displays weight % TiO<sub>2</sub> based on 10 foot samples (Ulland, 1986)



Horizontal distance not to scale

Geology and drafting by Eric Linscheid, 1986