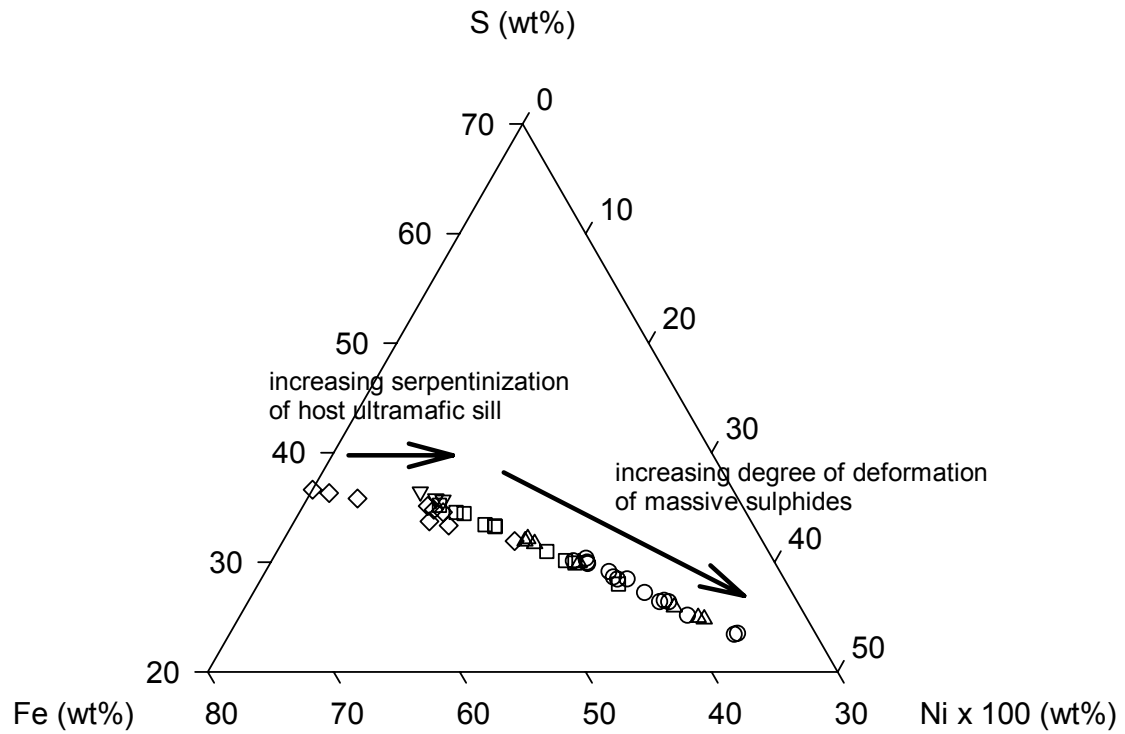


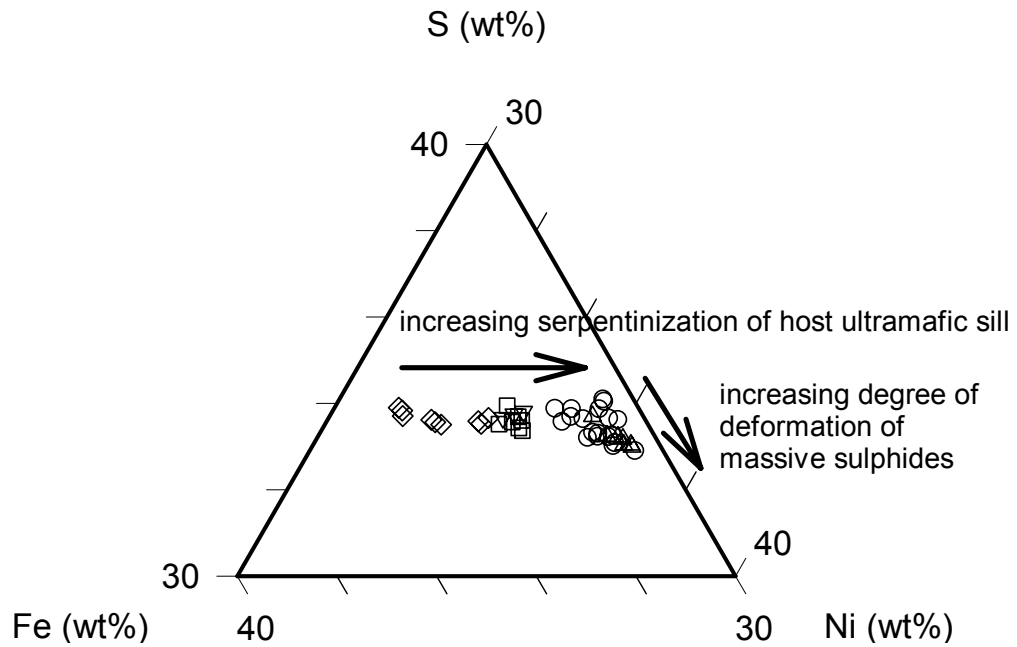
- ◇ location A: disseminated grains in ultramafic sill
- ▽ location C: interstitial grains in ultramafic sill
- location E₁: ovoid porphyroblasts, proximal to ultramafic sill
- location E₂: equant porphyroblasts, distal to ultramafic sill
- △ location E₃: milled porphyroblasts, distal to ultramafic sill

Figure 9.16 Relative concentrations of Fe, Ni, and Co in pentlandite from a range of sulfide types from the Thompson 1C ore body. Locations A to E refer to the sample locations shown in **Figure 9.14**. From Liwanag (2001).



- ◇ location A: disseminated grains in ultramafic sill
- ▽ location C: interstitial grains in ultramafic sill
- location E₁: ovoid porphyroblasts, proximal to ultramafic sill
- location E₂: equant porphyroblasts, distal to ultramafic sill
- △ location E₃: milled porphyroblasts, distal to ultramafic sill

Figure 9.17 Relative concentrations of Fe, Ni, and S in pentlandite from a range of sulfide types from the Thompson 1C ore body. Locations A to E refer to the sample locations shown in **Figure 9.14**. From Liwanag (2001).



- ◇ location A: disseminated grains in ultramafic sill
- ▽ location C: interstitial grains in ultramafic sill
- location E₁: ovoid porphyroblasts, proximal to ultramafic sill
- location E₂: equant porphyroblasts, distal to ultramafic sill
- △ location E₃: milled porphyroblasts, distal to ultramafic sill

Figure 9.18 Relative concentrations of Fe, Ni, and S in pyrrhotite from a range of sulfide types from the Thompson 1C ore body. Locations A to E refer to the sample locations shown in **Figure 9.14**. Pyrrhotite from location A are hexagonal; all other are monoclinic. From Liwanag (2001).

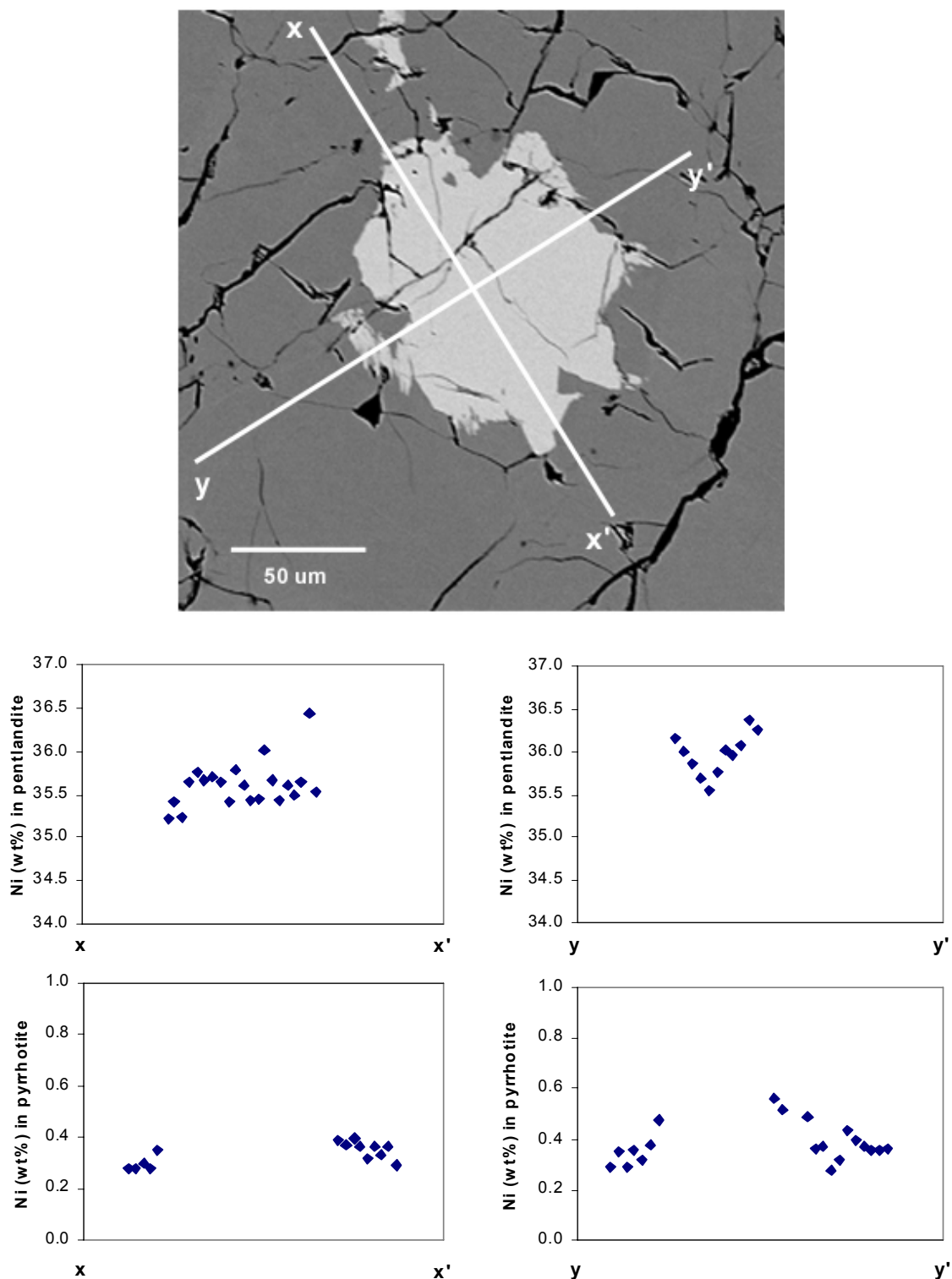


Figure 9.19 Electron microprobe point analyses across an equant porphyroblastic pentlandite grain and adjacent pyrrhotite in two dimensions. There is Ni enrichment within pyrrhotite adjacent to the pentlandite porphyroblast. Sample is from a massive sulfide horizon hosted by metasedimentary rocks from the Thompson Mine. From Liwanag (2001).

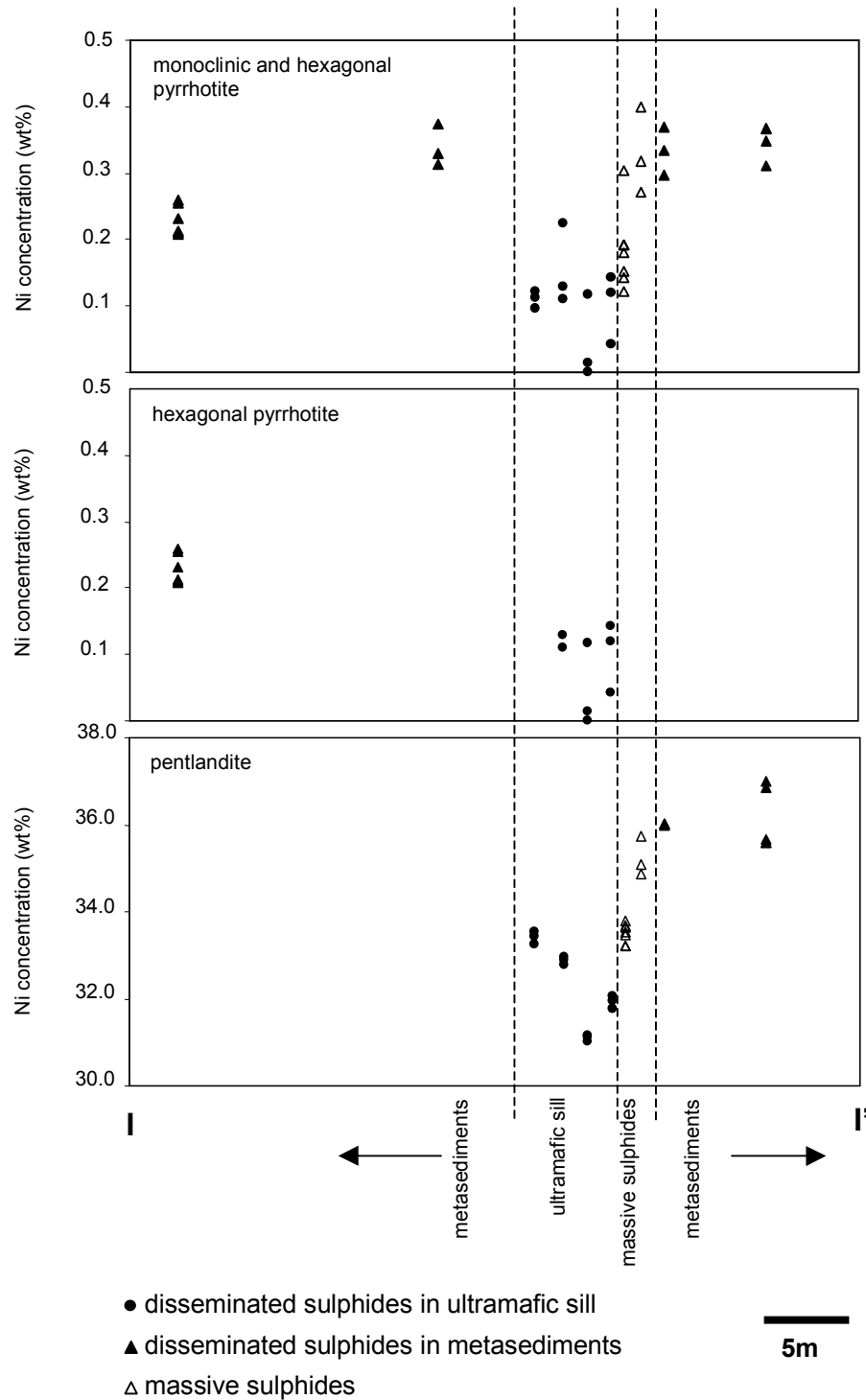


Figure 9.20. Concentration of Ni in co-existing sulfide minerals from samples along section I-I' in **Figure 9.14**, Thompson 1C ore body. For each sample collected along the section, at least 3 pyrrhotite were analyzed by electron microprobe. Results show 1) Ni enrichment in pyrrhotite from metasedimentary rocks that are proximal to the massive ore and the parent sill, and 2) Ni depletion in pyrrhotite within the ultramafic sill. Ni enrichment in pyrrhotite coincides with the mineralization of pentlandite and with Ni enrichment in pentlandite. From Liwanag (2001).

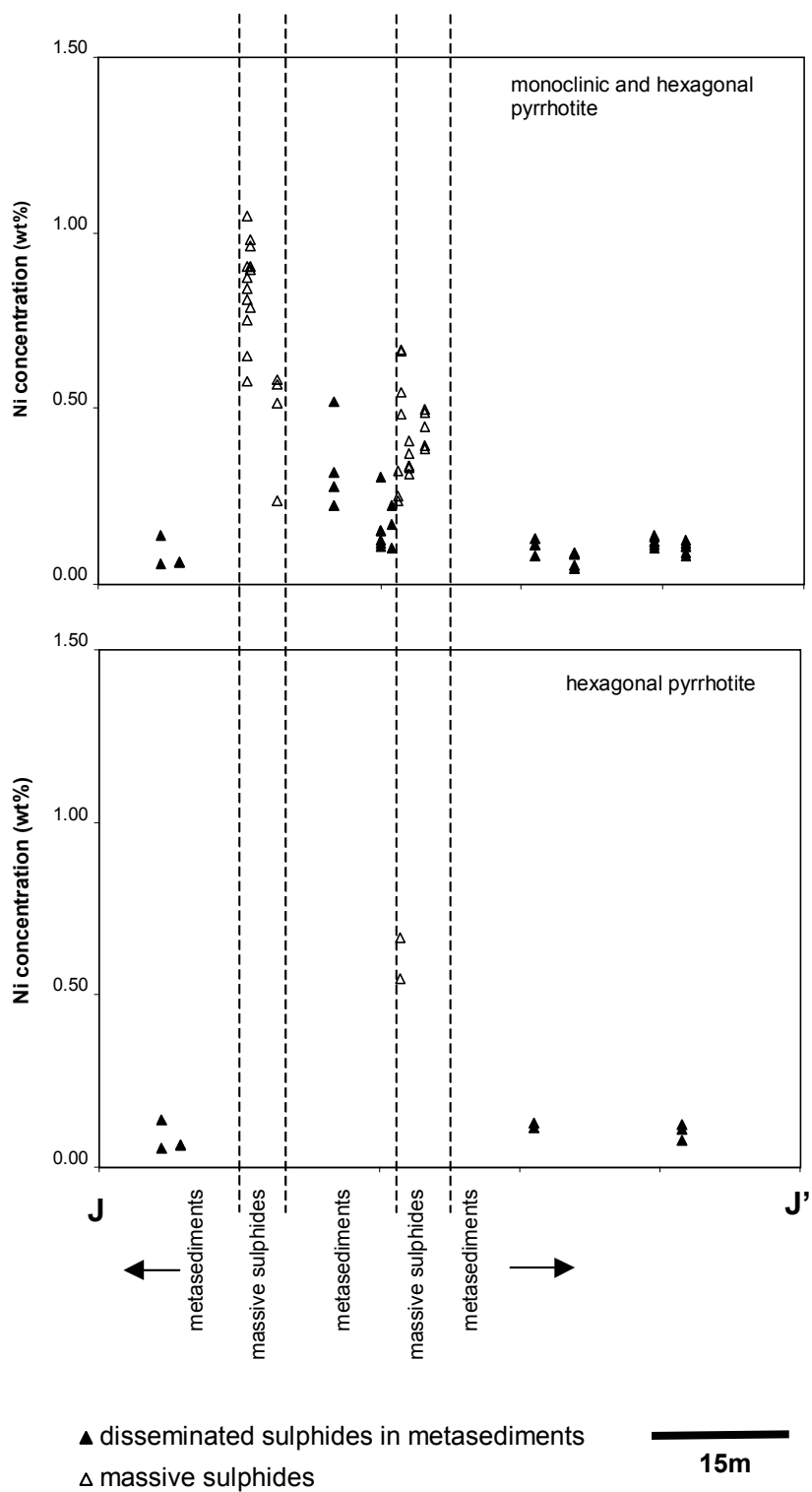


Figure 9.21 Concentration of Ni in pyrrhotite from sulfide-bearing samples along section J-J' in **Figure 9.14**, Thompson 1C ore body. Results show Ni enrichment in pyrrhotite from metasedimentary rocks that are proximal to the massive ore. From Liwanag (2001).

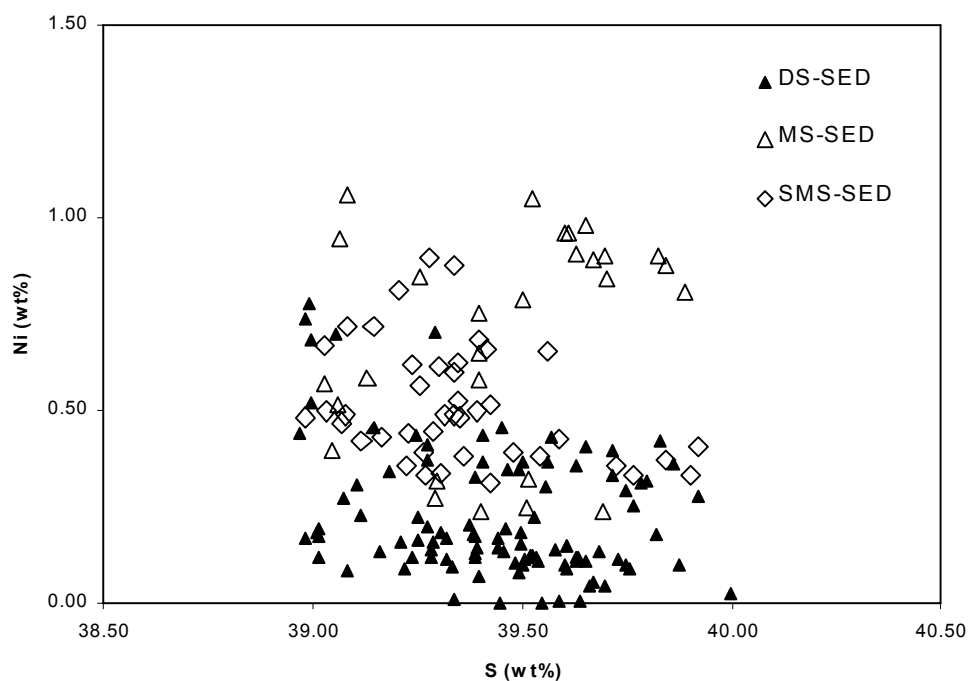


Figure 9.22 Ni and S concentrations in monoclinic pyrrhotite from the Thompson Mine (T1 mine, 1C ore body, and 1D ore body). Sulfide types represented: DS-SED = disseminated sulfides in metasedimentary rocks, SMS-SED = semi-massive sulfides in metasedimentary rocks, MS-SED = massive sulfides in metasedimentary rocks. From Liwanag (2001).

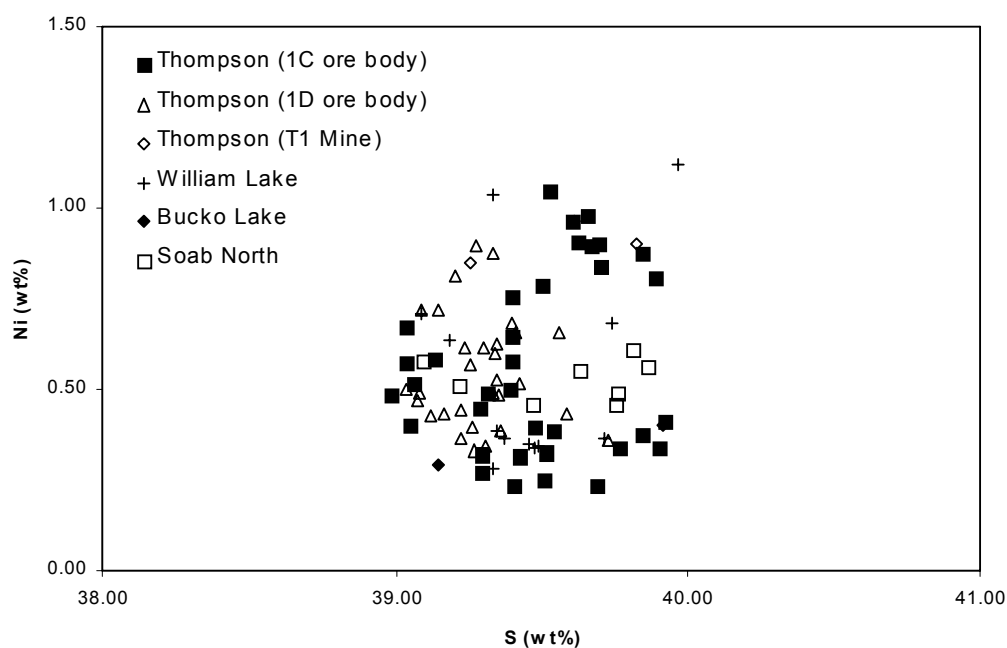


Figure 9.23 Ni and S concentrations in monoclinic pyrrhotite from massive and semi-massive sulfides in metasedimentary rocks and semi-massive sulfides in Archean Basement (Bucko only). From Liwanag (2001).

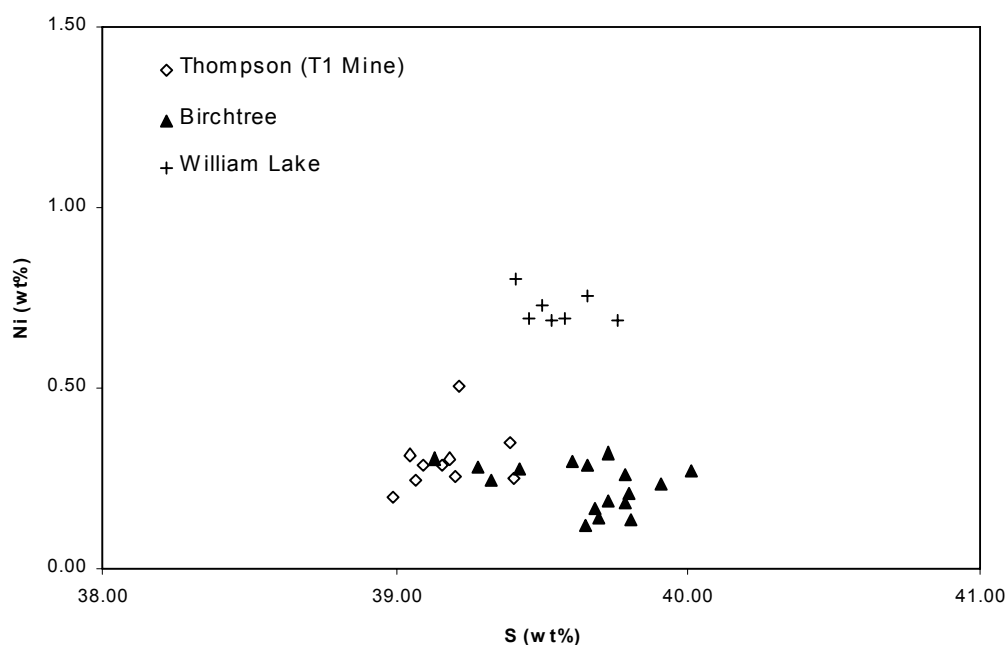


Figure 9.24 Ni and S concentrations in monoclinic pyrrhotite from massive sulfides in ultramafic breccias. From Liwanag (2001).

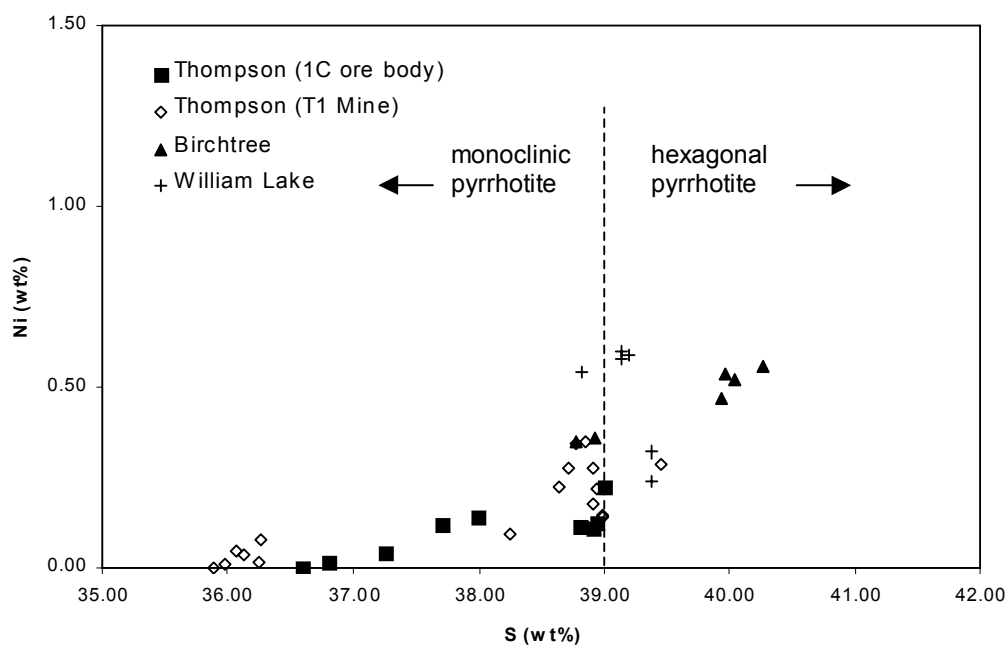


Figure 9.25 Ni and S concentrations in monoclinic and hexagonal pyrrhotite from disseminated sulfides in ultramafic rocks. All host rocks are serpentinized. From Liwanag (2001).

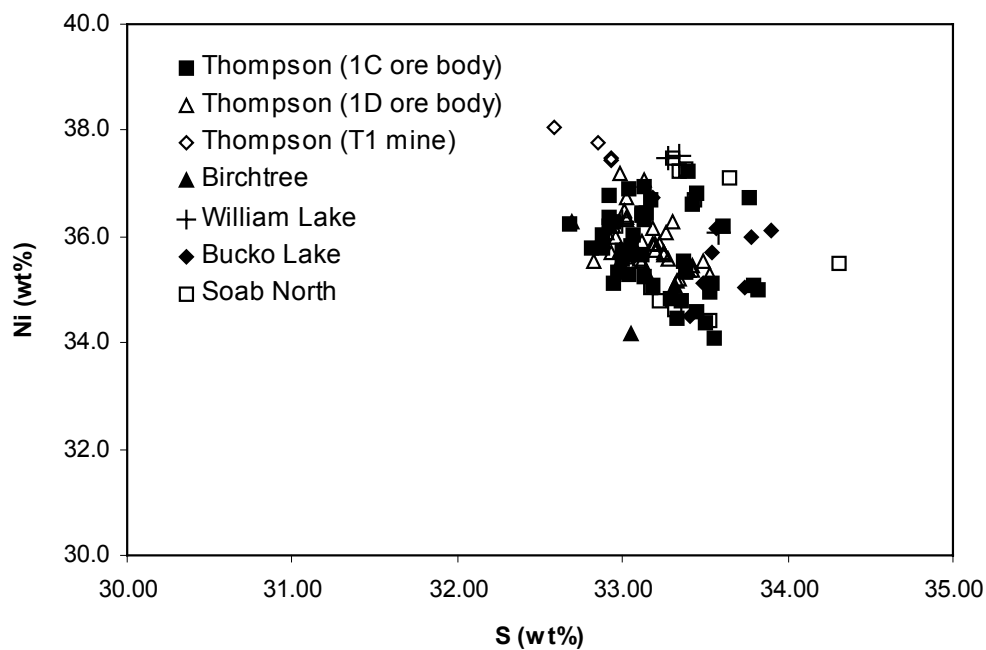
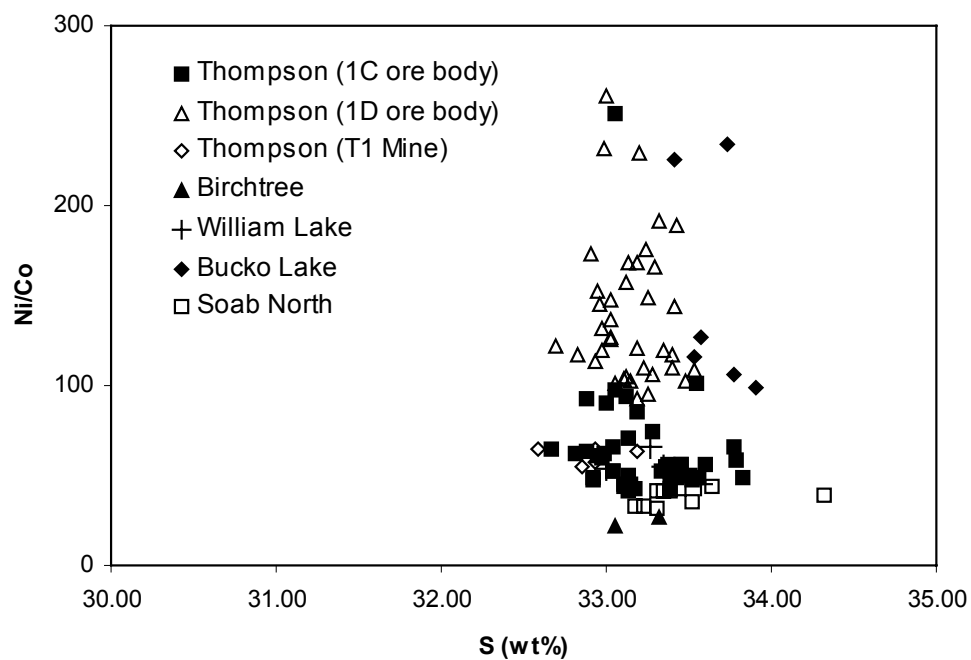
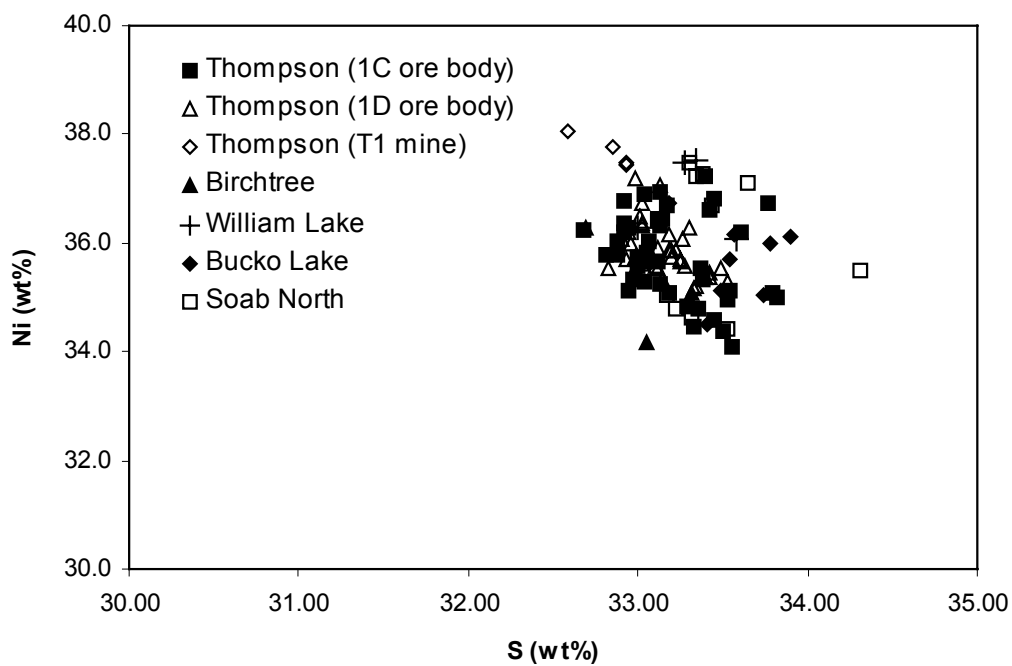
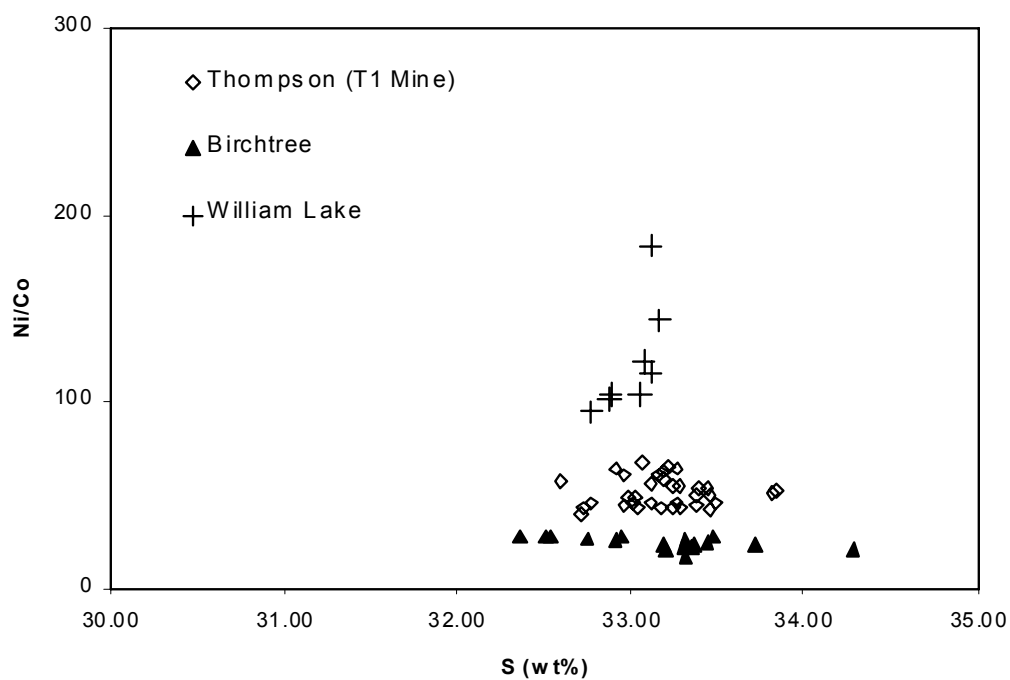
a**b**

Figure 9.26 a) Ni and S concentrations in pentlandite from massive and semi-massive sulfides in metasedimentary rocks and semi-massive sulfides in Archean Basement (Bucko only). b) Ni/Co ratios and S concentrations in pentlandite shown in graph a). From Liwanag (2001).

a**b****Figure**

9.27 a) Ni and S concentrations in pentlandite from massive sulfides in ultramafic breccias. b) Ni/Co ratios and S concentrations in pentlandite shown in graph (a). From Liwanag (2001).

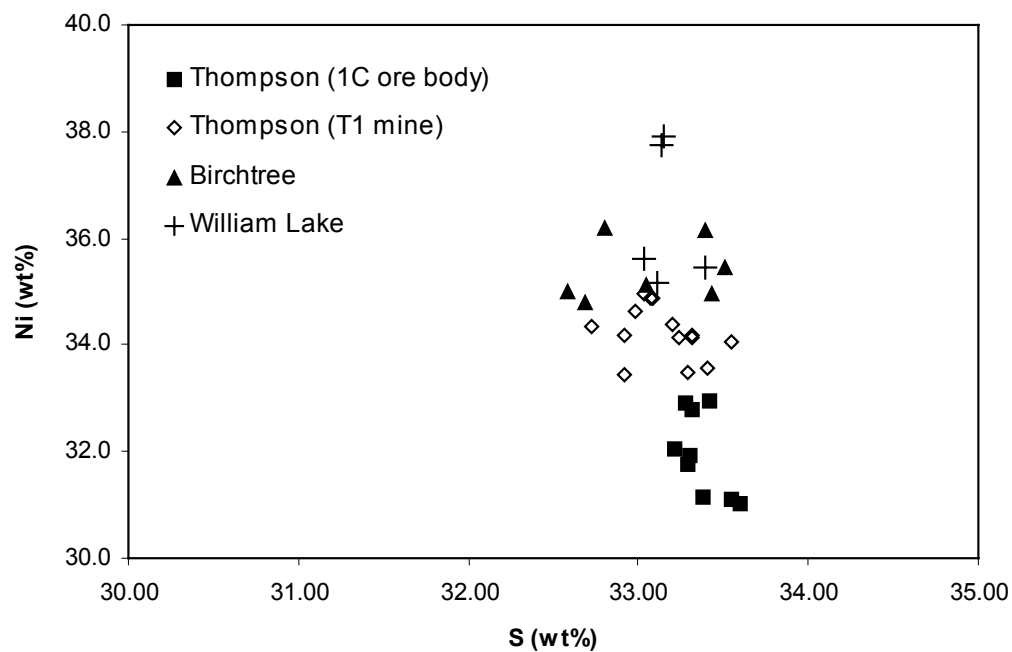
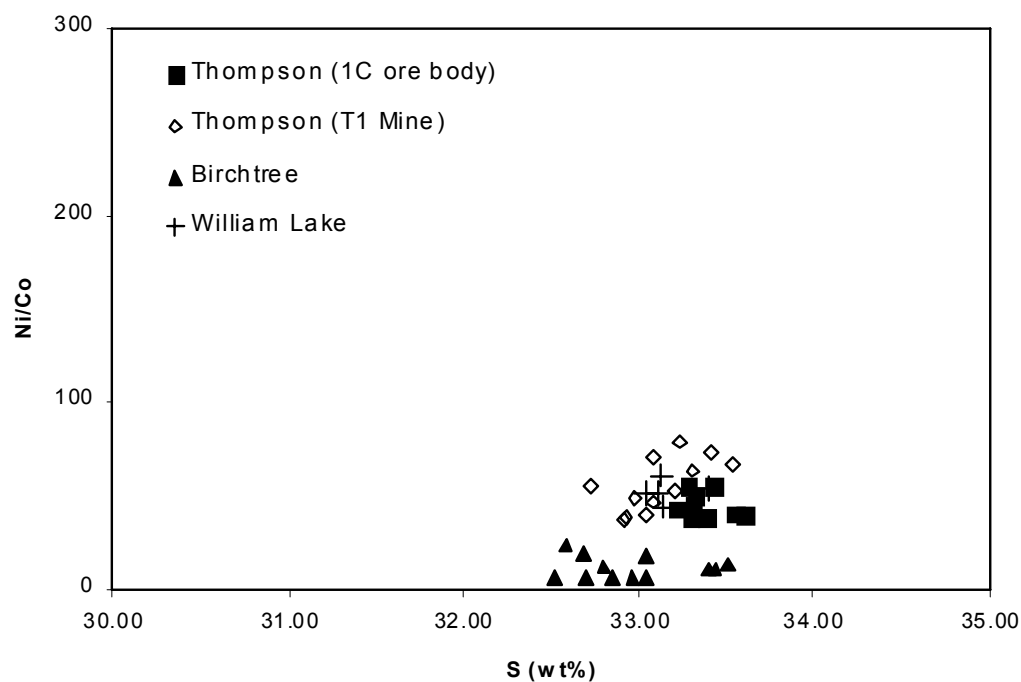
a**b**

Figure 9.28 a) Ni and S concentrations in pentlandite from disseminated sulfides in ultramafic rocks. b) Ni/Co ratios and S concentrations in pentlandite shown in graph a). All host rocks are serpentinized. From Liwanag (2001).

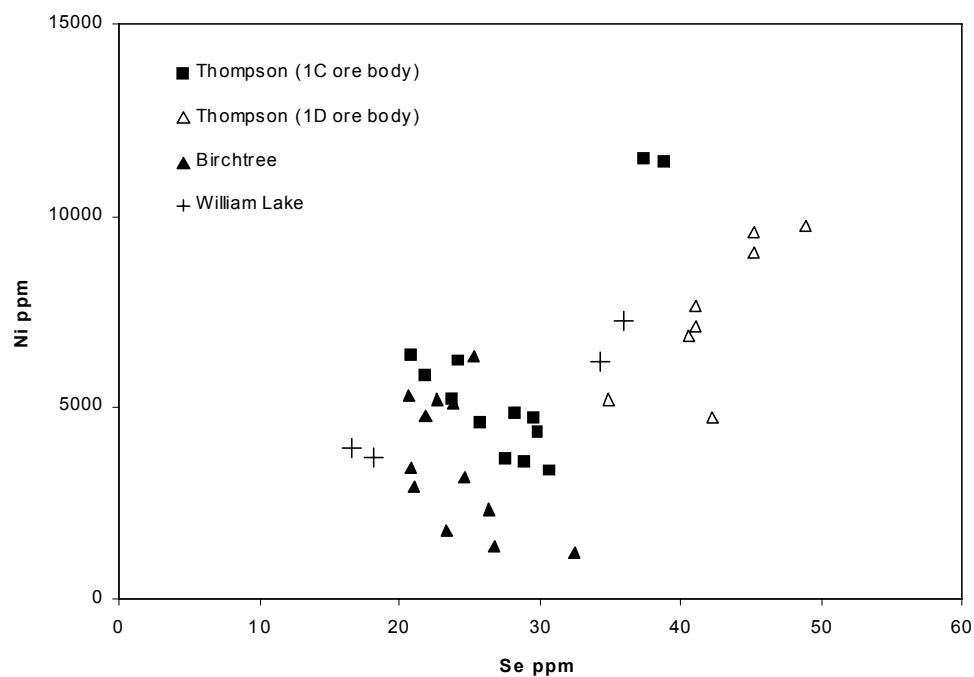


Figure 9.29 Ni and Se concentrations in monoclinic pyrrhotite from massive and semi-massive sulfides in metasedimentary rocks. From Liwanag (2001).

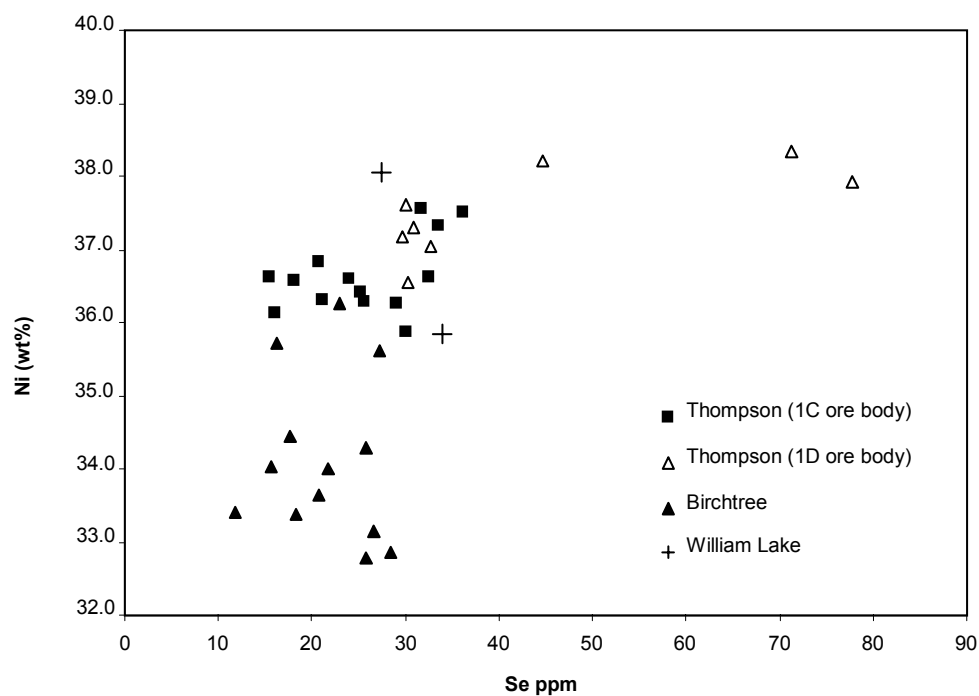


Figure 9.30 Ni and Se concentrations in pentlandite from massive and semi-massive sulfides in metasedimentary rocks. From Liwanag (2001).