

- 085
2. Voyager 31 and Voyager 33 (13800N - 14000N) samples have high radiogenic ratio of about the same order and degree of variation as Queen Hill, Murchison etc and the very distinct separation from the target signature and data points for most other anomalies suggests that these are indeed different styles of mineralization. The Pb-Zn bearing quartz vein of Voyager 30 has even more extreme radiogenic ratios but with low Std.Deviation (in 2 sample population). This suggests that vein style is the principal criteria rather than host rock age/type (Wart Hill Pyroclastics vs. West Sequence).
  3. Chip samples from Voyager 19 lenses A, B and costean 13200N are of much lower radiogenic isotopic ratio and show distinct separation from the target signature, but of about the same level of variation.
  4. Within the target signature area none of the Elliott anomalies has exactly the same character as the target ore bodies. On the 206/204 vs Std Deviation plot only Voyager 3 DDH 3 mineralization and Voyager 24 soil anomalies lie within the Que River-Rosebery-Comstock-Hercules quadrilateral. If 'Que River Ore' values (calculated from raw isotopic data in Gulson et al 1982 Sept) are deleted, then none of the anomalies lie in the enclosing quadrilateral. Likewise for 207/206 plots.
  5. The sample groups which lie closest to the target quadrilateral are: Voyager 30 granite soil, and Voyager 29 rocks (selected to omit 'unusual' values) and in both cases the similarity is principally due to small sample (population) groups, leading to low Std.Deviation within the group.
  6. Anomalies with acceptable levels of Std.Deviation which lie reasonably close to the target ratios are Voyager 19 South Pb/Zn, Voyager 29 baseline Pb/Zn, Voyager 33-DDH 3 mineralization and Voyager 24 soil.