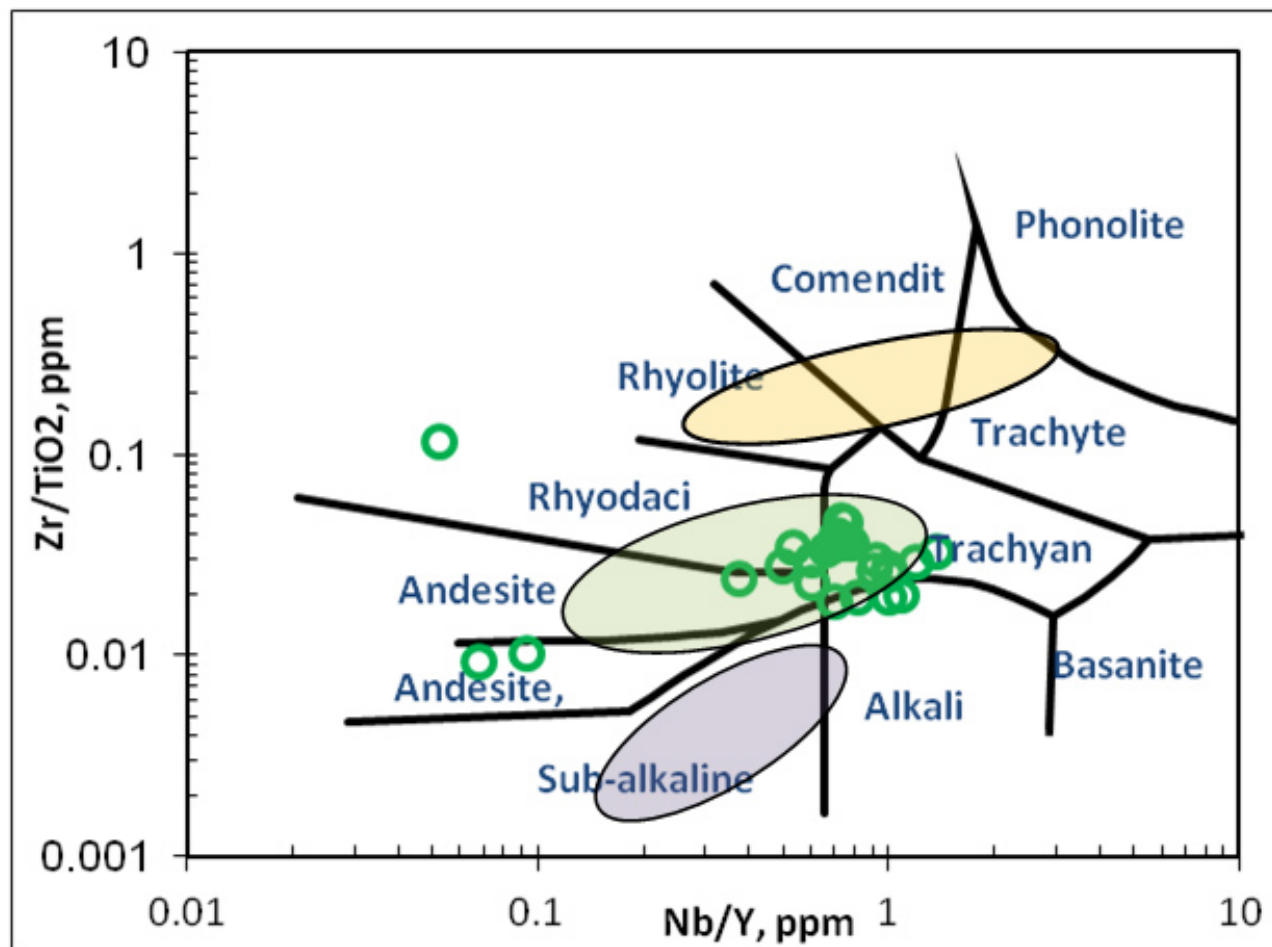
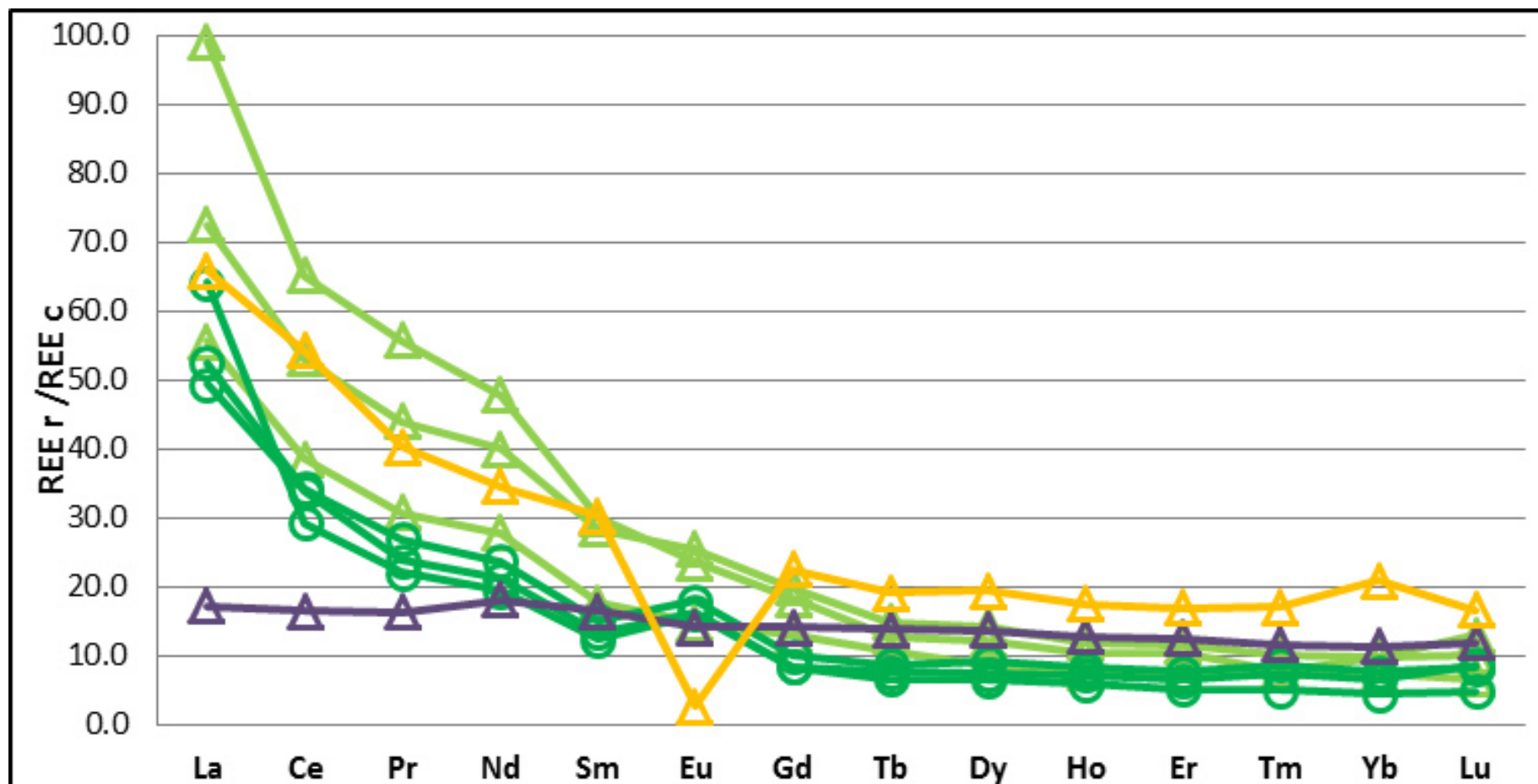


## KSM Volcanic and Intrusive Rock Chemistry

- Intrusive rocks at KSM are similar to the lower part of the Jurassic Hazelton Group volcanic rocks:
  - Dacite and Trachyandesite composition (quartz syenites)
  - moderate enrichment of LREE
  - little enrichment of middle and HREE
  - have a flat to slight positive Eu anomaly
- **Volcanic rocks in the Upper Jurassic Hazelton Group are from a bi-modal eruptive source**
  - Alkaline Basalts and Rhyolite composition
  - Mafic rocks have flat REE pattern with little enrichment above conderite
  - Felsic rocks have enriched LREE pattern and strong negative Eu anomaly



## KSM Volcanic and Intrusive Rock Chemistry



- △ Jurassic Hazelton mafic volcanic units: Mt Dilworth Fm Map units JrH5M
- △ Jurassic Hazelton rhyolitic volcanic units: Mt Dilworth Fm Map units JrH5R
- Jurassic intrusive rocks: Map units JrP, JrDi and JrMi
- △ Jurassic Hazelton volcanic units: Unuk River Fm. and Betty Creek Fm Map units JrH2, JrH3 and JrH4