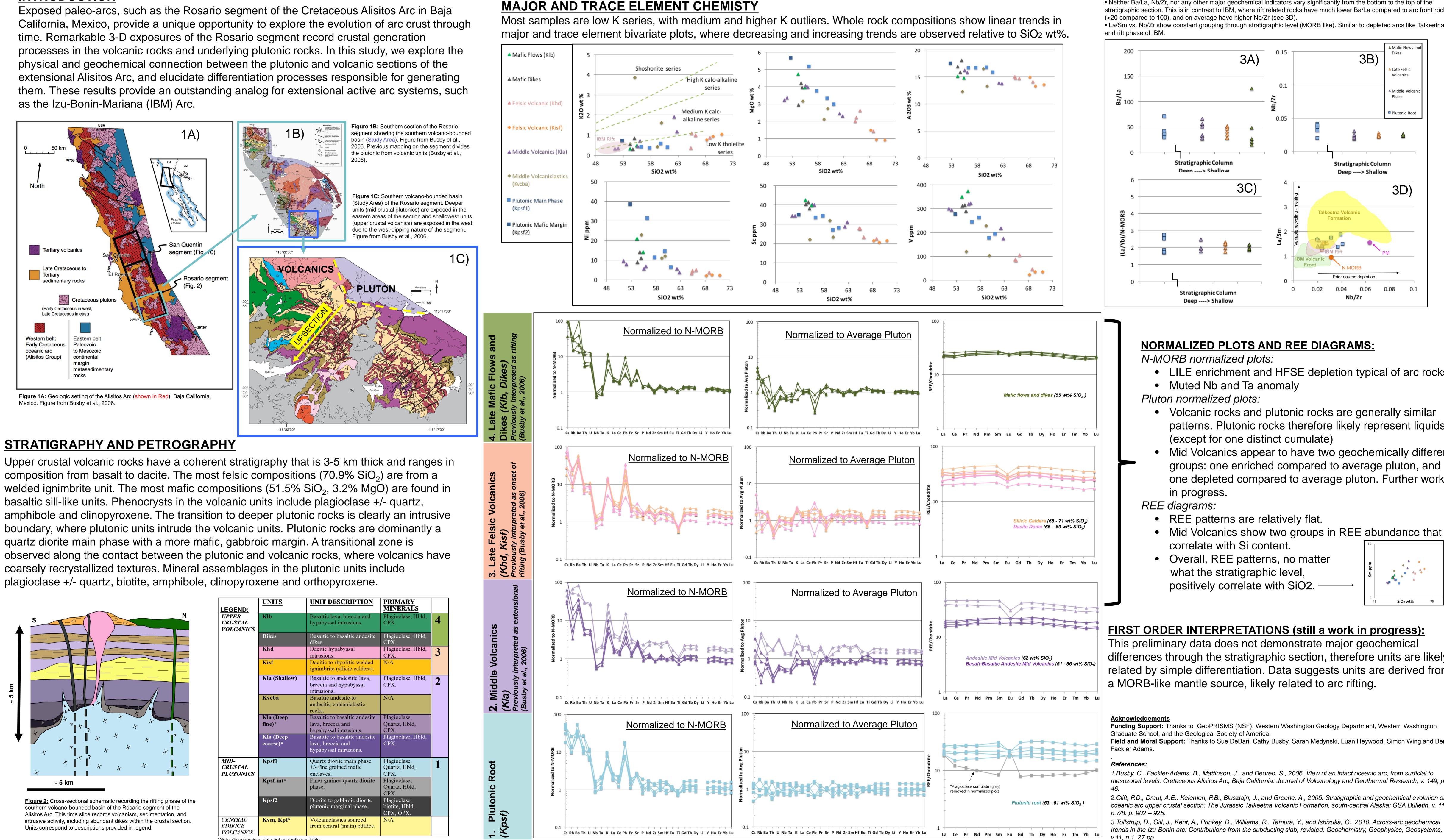
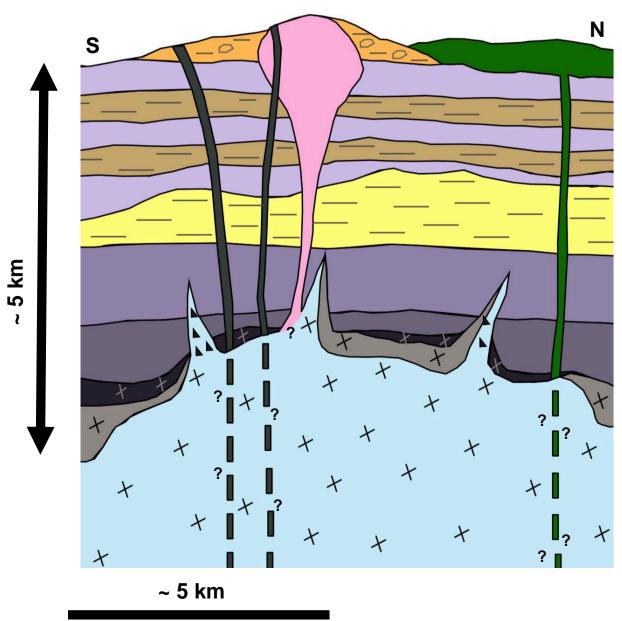


INTRODUCTION



STRATIGRAPHY AND PETROGRAPHY



Note: Geochemistry data not currently available.

Geochemical relationships between volcanic and plutonic upper to mid crustal exposures of the Rosario segment, Alisitos Arc (Baja California, Mexico): Petrologic processes behind the generation and evolution of arc crust

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RATIO PLOTS AND ARC COMPARISONS:

• Neither Ba/La, Nb/Zr, nor any other major geochemical indicators vary significantly from the bottom to the top of the This is in contrast to IBM, where rift related rocks have much lower Ba/La compared to arc front rocks

- LILE enrichment and HFSE depletion typical of arc rocks.
- patterns. Plutonic rocks therefore likely represent liquids
- Mid Volcanics appear to have two geochemically different groups: one enriched compared to average pluton, and one depleted compared to average pluton. Further work

differences through the stratigraphic section, therefore units are likely related by simple differentiation. Data suggests units are derived from

Field and Moral Support: Thanks to Sue DeBari, Cathy Busby, Sarah Medynski, Luan Heywood, Simon Wing and Ben

mesozonal levels: Cretaceous Alisitos Arc, Baja California: Journal of Volcanology and Geothermal Research, v. 149, p. 1

2.Clift, P.D., Draut, A.E., Kelemen, P.B., Blusztajn, J., and Greene, A., 2005. Stratigraphic and geochemical evolution of ar oceanic arc upper crustal section: The Jurassic Talkeetna Volcanic Formation, south-central Alaska: GSA Bulletin, v. 117,