



$\text{H}_2\text{O} + \text{H}^+ + \text{O}^{2-} + \text{B}_2\text{O}_3$   
Analyzed samples listed in approximate order of increasing age.

Sketch map of the Nabesna A-S Quadrangle showing the location of eruptive centers. The map includes the Nabesna River, several glaciers (Jorulna, Jorulna, Jorulna, Jorulna), and various eruptive centers marked with symbols like circles, crosses, and stars. A scale bar indicates 5 miles and 5 kilometers.

AFM diagram of the Wrangell Lava (dots) from the Nabesna A-S Quadrangle, Alaska, and lavas (crosses) from Mount Jefferson, Oregon. The diagram is a ternary plot with vertices labeled  $\text{F}(\text{FeO} + 0.9\text{Fe}_2\text{O}_3)$ ,  $\text{A}(\text{Ni}_2\text{O} + \text{K}_2\text{O})$ , and  $\text{M}$ . The data points for the Wrangell Lava are clustered in the center, while the Mount Jefferson lavas are scattered around the periphery.



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