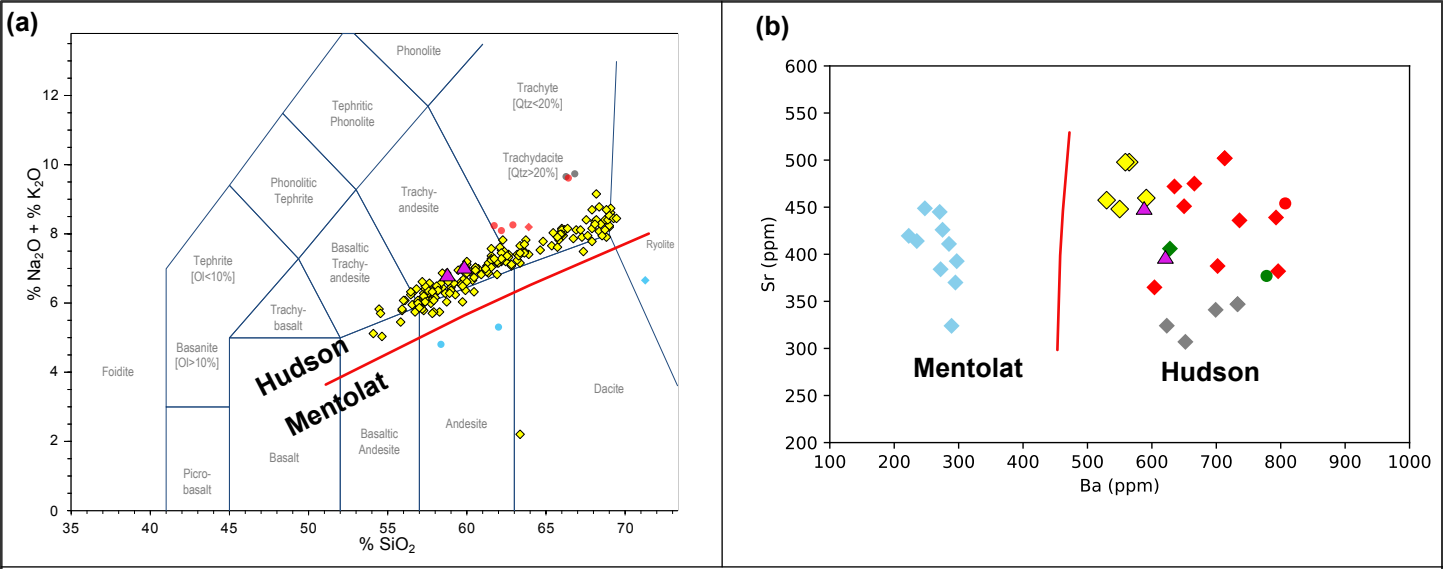
(a)
Phonolite
Tephritic Phonolite
Trachyte [Qtz<20%]
Trachydacite [Qtz>20%]
Phonolitic Tephrite
Trachy-andesite
Rylolite
Tephrite [Ol<10%]
Basaltic Trachy-andesite
Trachy-basalt
Basanite [Ol>10%]
Foidite
Hudson
Mentolat
Dacite
Andesite
Basaltic Andesite
Basalt
Picro-basalt
% Na2O + % K2O
% SiO2
(b)
Sr (ppm)
Ba (ppm)
Mentolat
Hudson
Published data
bulk sediment, this work
Sample type
concentrated volcanic material
pumice
Volcanic eruption
Hudson 0
Hudson 1
Hudson 2
Hudson 3
Mentolat 1