

Magmatic Evolution 2: A New View of Post-Differentiation Magmatism

Co-leads: Chip Shearer (cshearer@unm.edu), Clive Neal (neal.1@nd.edu)

Chapter Themes

Introduction

Potential Overlap

None

Summary of lunar magmatism in NVM1

Magmatic evolution 1

Earliest stages of post-differentiation magmatism

Magmatic evolution 1, Lunar Crust

Mg-suite chronology, distribution, related volcanism

Melting and ascent

Origin

Newly identified magmatic lithologies

Mare magmatism

Lunar crust, Volcanic Features/
Processes, Volatiles

Distribution

Chronology (including <1.0 Ga)

Melting and ascent

Role of volatiles

Pyroclastic deposits

Origin

Silicic-felsic magmatism

Lunar crust, Volcanic Features/
Processes

Distribution

Chronology

Composition

Origin