

# CONGLOMERATE AND SANDSTONE DESCRIPTION SHEET

Student Name: \_\_\_\_\_

Sample #: \_\_\_\_\_ Rock Name: \_\_\_\_\_

## Compositional Assessment

Matrix %: \_\_\_\_\_ Cement %: \_\_\_\_\_ Porosity %: \_\_\_\_\_ Accessory Minerals %: \_\_\_\_\_

Quartz %: \_\_\_\_\_ Feldspar %: \_\_\_\_\_ Rock Fragments %: \_\_\_\_\_ (Normalize % for QFL)

Quartz Types and %: \_\_\_\_\_

Feldspar Types and %: \_\_\_\_\_

Rock Fragment Types and %: \_\_\_\_\_

Martix Composition and %: \_\_\_\_\_

Accessory Minerals and %: \_\_\_\_\_

Describe the **compositional maturity**: \_\_\_\_\_

## Textural Assessment

Grain size: \_\_\_\_\_ Sorting: \_\_\_\_\_ Grain Shape: \_\_\_\_\_

Describe the **textural maturity**: \_\_\_\_\_

## Diagenetic Assessment

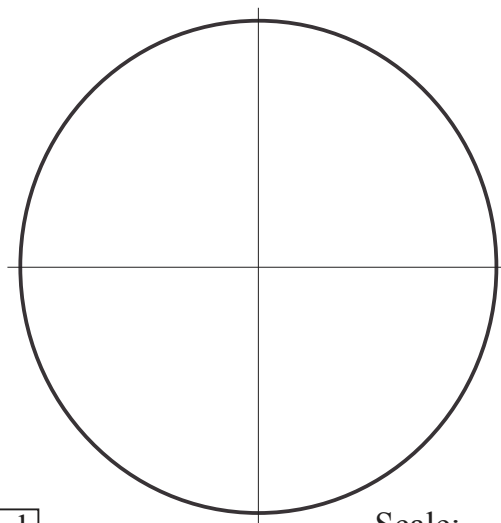
Quartz overgrowths: \_\_\_\_\_ Grain Contact: \_\_\_\_\_

Cement types and %: \_\_\_\_\_

Authigenic minerals and %: \_\_\_\_\_

## Representative Thin Section Description:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Legend:

Scale: \_\_\_\_\_ mm

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Hand Specimen Description: \_\_\_\_\_

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Interpretation: \_\_\_\_\_

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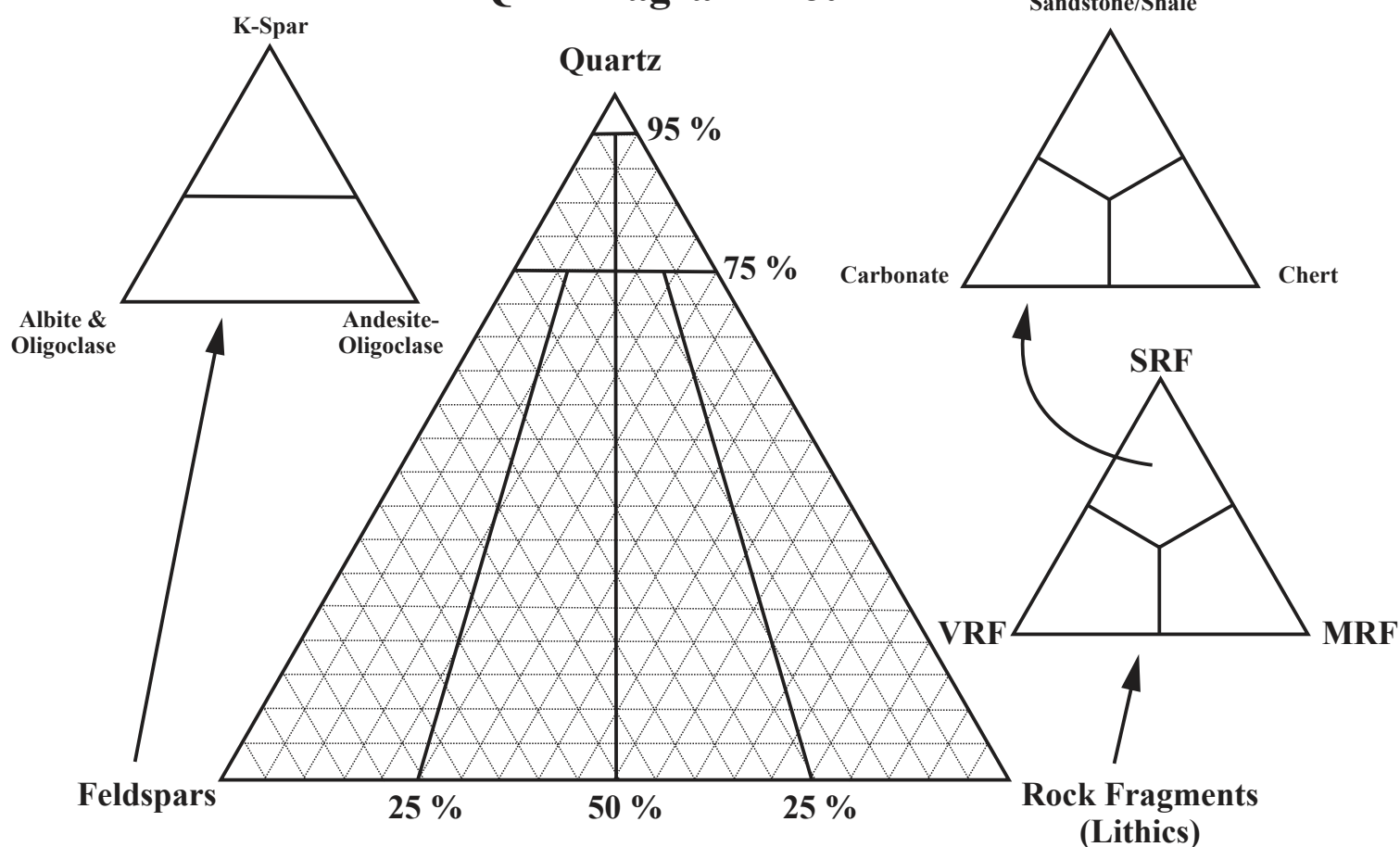
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### QFL Diagram Plot



*N.B.:* Normalize % for QFL  
mica = metamorphic lithic  
chert = sedimentary lithic

**Ternary Diagram**  
**Folk (1974)**