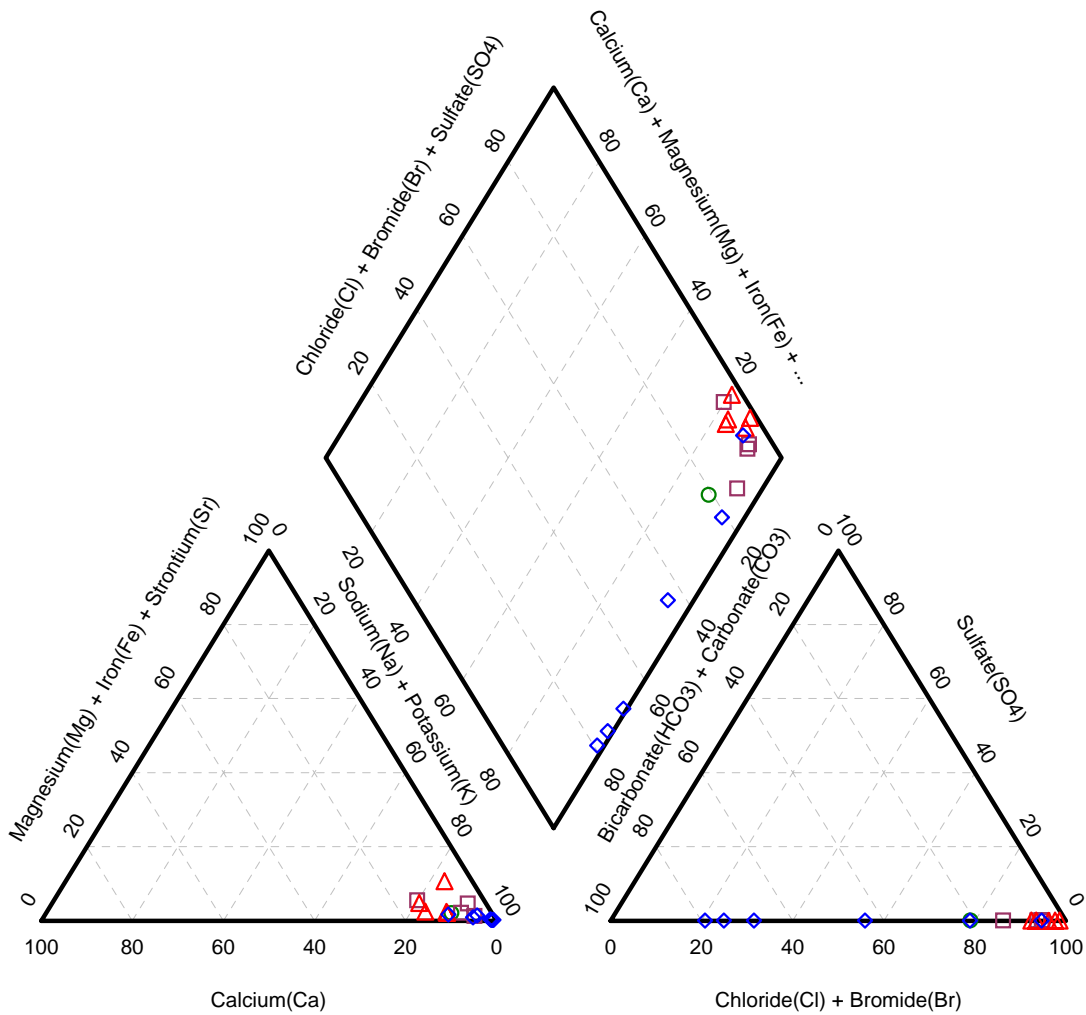


Mamm Creek Phase II Hydrogeologic Characterization



Produced Water Samples - Grouped by TDS ranges

- Less than 1,000 mg/L
- 5,000 - 10,000 mg/L
- 10,000 - 15,000 mg/L
- Greater than 15,000 mg/L

Figure 4.15 Piper Diagram for Natural Gas Well Produced Water Samples Differentiated According to TDS.