

| Rock Name | Spilitized Diabase | Spilitized Diabase | Albite Syenite Porphyry | Altered Albite Syenite Porphyry | Altered Albite Syenite Porphyry | Highly Altered Albite Syenite Porphyry | Syenite Porphyry | Quartz Syenite Porphyry | Quartz Syenite Porphyry | Red Granite Porphyry | Red Granite Porphyry |
|----------------------|------------------------|------------------------------|---------------------------------|---------------------------------|---------------------------------|--|------------------------------------|-------------------------|-------------------------|----------------------|---------------------------|
| Plagioclase | 40-50% An ₀ | ① 55% An ₀ ↓ Plag | ② 25% An ₅ ↓ Albitic | ③ 30% An ₆ ↓ Albitic | ④ 40% Albitic | 10% | ⑤ 17% An ₀ ** ↓ Albitic | ⑥ 35% An ₈ | ⑦ 45% An ₂ | ⑧ 2-5% | ⑨ 2-7% An ₀ ** |
| Microperthite | - | - | - | - | - | - | 75% | 44% | 30% | 73% | 70% |
| Quartz | 10% | 10-15% | - | 1-2% (Sec.) | 3-5% | 4% (Sec.) | - | 3-5% | 7-10% | 15% | 20% |
| Hornblende | 15-20% (Sec.) | trace | 23% | 15-20% | 3-5% | - | - | 7% | - | - | - |
| Minopyroxene | - | 12-14% | - | - | - | - | - | - | - | - | - |
| Albite | trace | 1% | 2-4% | 1% | 1-2% | trace | trace | 1/4-1/2% | 1% | 1/4% | 1/4-1/2% |
| Albite | - | - | - | - | 1-2% | - | - | 1+ | 2-4% | - | - |
| Albite | 4% | 3-4% | 1/8% | 1-2% | 1-2% | 2% | 1/2-1% | 2% | 2-3% | 2% | 1-2% |
| Minerals | | | | | | | | | | | |
| Unresolvable | - | - | 40% | 30% | 25% | 10% | - | 3-5% | - | - | - |
| Low bir. matrix | | | | | | | | | | | |
| Microcline (Sec.) | - | 2-3% | - | 3-4% | - | 50-60% | 2% | 1% | 5% | 2% | 1/4% |
| Microcline (Sec.) | - | 3-5% | - | - | - | - | - | - | - | - | - |
| Chlorite (Sec.) | 5% | 7% | 7% | 2-3% | 10% | 10% | 1/4% | trace | 3-5% | 4% | trace |
| Clay Minerals (Sec.) | 10-15% | +2% | - | - | - | - | - | - | 2% | - | - |
| Albite (Sec.) | - | - | - | 1/4-1/2% | 10-15% | 20% | 5% | 1/4-1/2% | trace | - | 2-3% |
| Pyroxene (Sec.) | 10% | - | 2% | 10% | - | - | - | 1/2-1% | - | - | - |

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May not be part of the Mitchell Intrusions.
 Plagioclase is in the matrix or associated with microperthite.

- Secondary Minerals
- Microperthite generally contains less than $\frac{1}{4} = \frac{\text{Plagioclase}}{\text{Microcline}}$ but contains up to $\frac{1}{1} = \frac{\text{Plagioclase}}{\text{Microcline}}$ in +
- Anorthite percentages were determined by optical means.
- Percentages are visual estimations

$$\begin{array}{r} 31.5 \\ 17.5 \\ \hline 49.0 \end{array}$$

$$\frac{31.5}{49} \times 100$$
 Plag 20%
 Alkalifell 30%
 Quartz 40%
 90

$$\frac{20}{90} \times 100 = 22.2\%$$

$$\frac{30}{90} \times 100 = 33.3\%$$

$$\frac{40}{90} \times 100 = 44.4\%$$

$$\frac{99.9}{99.9} \%$$