

Ph 23-21

ditch sample from 110' - 130'  
DGS # 836741

335g

> - 1φ = 91g      27.2%

- 1φ - 4φ = 209g      62.4%

< 4φ =  $\frac{35g}{335g}$        $\frac{10.4\%}{100\%}$

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Description of silt-sized and less, fraction

color greenish gray - dark greenish gray  
50Y 6/1 → 5GY 4/1

composition

qtz > 90% white to clear color  
feld (probably plag) cleavage surfaces w/ striations  
garnet - red colors, almandine  
Fe oxides  
muscovite (minor flakes)  
clays

texture

⇒ over

- ii
- majority of grains <sup>are</sup> have subangular to subrounded forms. Sphericity is moderately developed, although rectangular grains are also present.
  - Plagioclase grains have tabular forms caused by parting along cleavage planes, as well as subangular forms.
  - Garnets tend to be rounded, but not necessarily spherical.
  - Fe oxides have metallic lusters and highly irregular shapes
  - muscovite flakes are rare
  - clay material adheres to all grains.
  - Amount present is difficult to estimate.

Scott Howard

2/5/92