



EXPLANATION

Massive lapilli tuff
Quartz - 16-26%
K-feldspar - 0%
Mineral Composition - Dacite



Lapillistone and lapilli tuff



Graded sandstone and conglomerate



Graded sandstone and conglomerate with a tuffaceous matrix

Pseudofusulinella sp. } Early
Thompsonella sp. } Wolfcampian



Claystones and siltstones

Stratified lapilli tuffs
Quartz - 9-12%
K-feldspar - 0%
Mineral Composition - Andesite - Dacite



Tuffaceous claystones and siltstones

Pseudofusulinella sp. Early
Wolfcampian



Relatively pure limestone

Doubly graded lapilli tuffs
Quartz - 15%
K-feldspar - 0%
Mineral Composition - Andesite - Dacite



Limestone with volcanic detritus

Doubly graded lapilli tuffs
Quartz - 8-15%
K-feldspar - 0%
Mineral Composition - Dacite



Lava flows

Pseudofusulinella sp. } Early
Thompsonella sp. } Wolfcampian

Mineralogical data from staining for K on hand specimens and point counts on thin sections of representative samples.

Faunal data from Rowett and Gilbertson (see text).

Doubly graded lapilli tuffs
Quartz - 0-5%
K-feldspar - 0%
Mineral Composition - Andesite

Section numbers refer to measured sections located on the geologic map plate 2.

Estimated 80% of unit consists of stratified lapilli tuffs and lapillistones
Quartz - 35-40%
K-feldspar - 0%
Mineral Composition - Dacite

Pseudopara legoceras hansonii
Zaphrentoides sp.
Neozaphrentis sp.
Lophophyllidium sp. } Atokan or Desmoinesian

Doubly graded lapilli tuff
Quartz - 5-8%
K-feldspar - 0%
Mineral Composition - Andesite

Stratified lapilli tuffs and lapillistones
Quartz - 30-40%
K-feldspar - 0%
Mineral Composition - Dacite

Fusulinella sp. (Atokan or Desmoinesian) collected from this unit; stratigraphic position unknown.
Estimated 60% of unit consists of stratified lapilli tuffs and lapillistones.
Quartz - 2-20%, estimated 50% of pyroclastics
K-feldspar - 0%
Mafics in minor amounts
Mineral Composition - Andesite - Dacite

Estimated 50% of unit consists of stratified lapillistones and lapilli tuffs.
Mineral Composition - Dacite
Quartz - 14-30%, Mafics in minor amounts
K-feldspar present in amounts between 5-15% in about 10% of the pyroclastics

Quartz - 15%
K-feldspar - 0%
Mineral Composition - Dacite

Several andesitic or basaltic flow breccias.
Distinct maroon color.
Quartz - 0%
K-feldspar - 0%

Andesitic or basaltic flows and flow breccias.
Green to dark green color
Quartz - 0%
K-feldspar - 0%

COMPOSITE STRATIGRAPHIC SECTION FOR THE TETELNA COMPLEX, RAINBOW MOUNTAIN - GULKANA GLACIER AREA