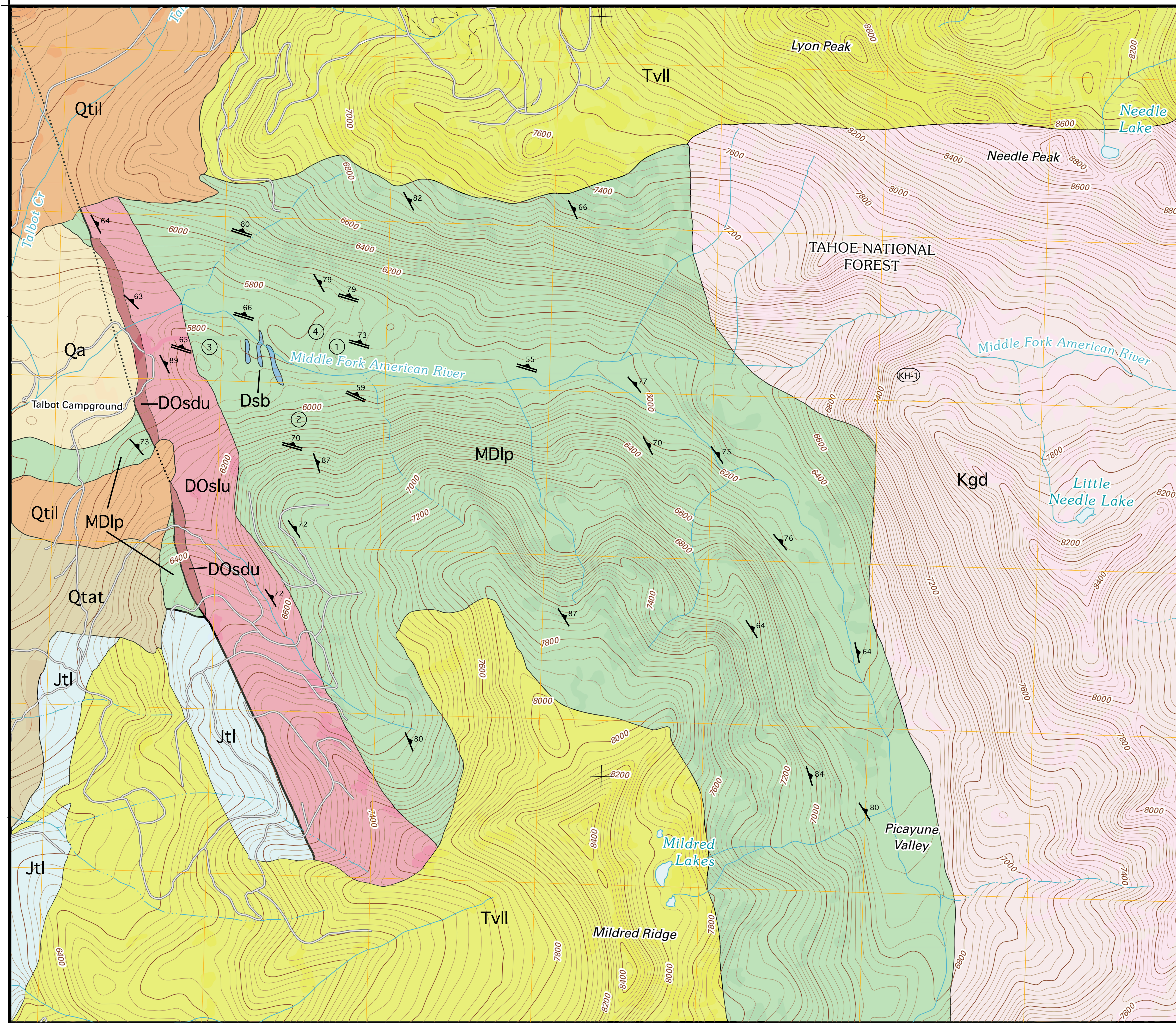


Plate 1: Geologic Map of the Picayune Valley Formation in the Central Part of Granite Chief Quadrangle

120°22'30"
39°12'30"

120°17'30"



Key:

- Qa Alluvial deposits
- Qtal Deposits of Tioga glaciation
- Qtat Deposits of Tahoe glaciation
- Tvll Tertiary debris flow deposits
- Kgd Granodiorite
- Jtl Tuttle Lake Formation
Mafic tuff breccia, tuff, and intrusive breccia
- MDlp Picayune Valley Formation
Pelite, quartzite, and conglomerate
- Dsb Sierra Buttes Formation
Felsic tuff and volcanic debris-flow deposits
- DOsdu Duncan Peak allochthon
Chert, siliceous argillite, and chert-pebble conglomerate
- DOslu Lang Sequence
Quartz-pelite turbidites, minor chert and chert breccia
- 2 Location of kinematic indicators
- S₁ = Early Foliation
- S₂ = Late Foliation
- KH-1 Location of sample for ⁴⁰Ar/³⁹Ar dating
- Fault - solid where accurately located; dotted where concealed

39°09'30"



1 Kilometer

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84)
USGS Granite Chief Quadrangle
California-Placer Co.
7.5 Minute Series

Kenny Harmon