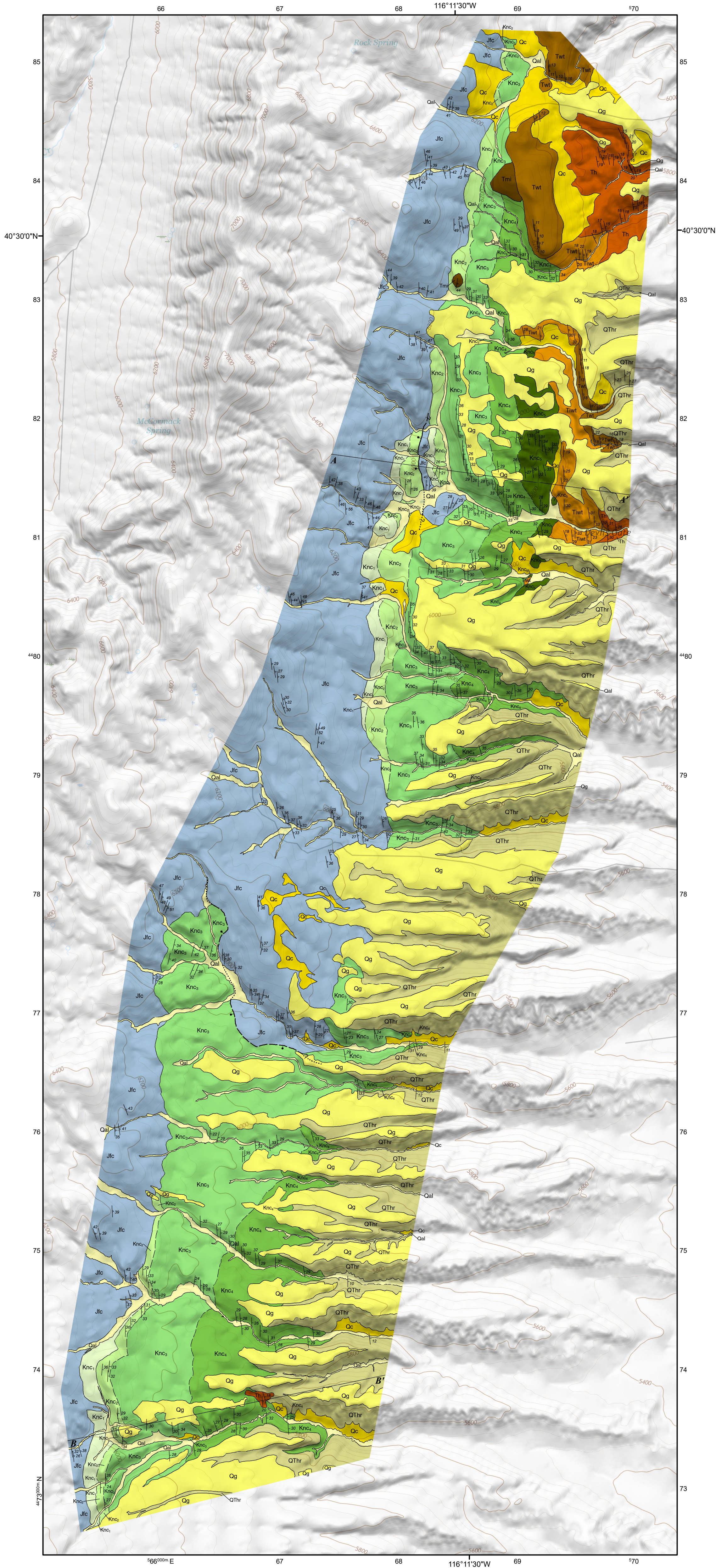


GEOLOGIC MAP OF THE EASTERN FLANK OF THE NORTHERN CORTEZ MOUNTAINS, EUREKA COUNTY, NEVADA

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QUATERNARY DEPOSITS

- Qal Alluvium in active channels
- Qc Colluvium
- Qg Gravel

Alluvial-Fan Deposits

- QThr Hay Ranch Formation (Pliocene)

TERTIARY ROCKS

- Th Humboldt Formation (late Miocene)
- Tmi Mafic to intermediate intrusive rocks (Oligocene)
- Twt Rhyolitic welded tuff (Oligocene)
- Twm Indian Well Formation (Oligocene to late Eocene)

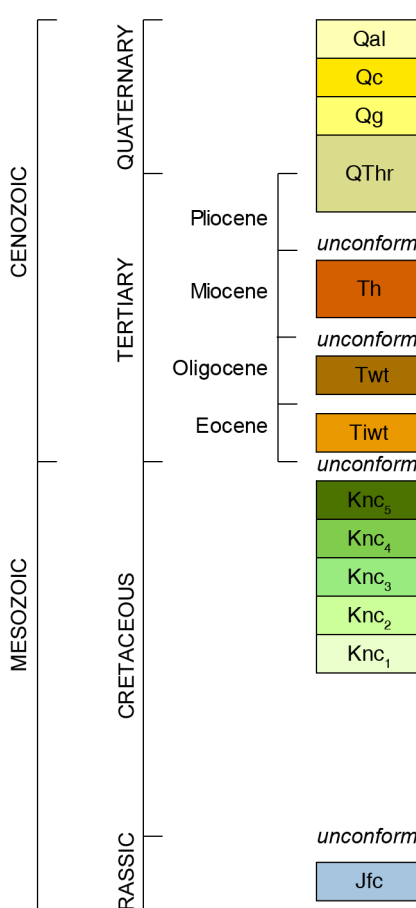
CRETACEOUS ROCKS

Newark Canyon Formation

- Knc₅ Newark Canyon Formation member 5
- Knc₄ Newark Canyon Formation member 4
- Knc₃ Newark Canyon Formation member 3
- Knc₂ Newark Canyon Formation member 2
- Knc₁ Newark Canyon Formation member 1

JURASSIC ROCKS

- Jlc Frenchie Creek Rhyolite of the Pony Trail Group (Late Jurassic)



See accompanying text for full unit descriptions and references for this map.

Contact: Solid where certain and location accurate, dashed where approximately located.

Internal contact: Solid where certain and location accurate. (In cross section only)

Normal fault: Solid where certain and location accurate, dashed where approximately located, dotted where concealed; queried if identity or existence uncertain. Ball on downthrown side. In cross section approximately located faults shown as solid, arrows show relative motion.

Strike and dip of bedding

45° Inclined

Strike and dip of flow banding or flow foliation in volcanic rocks

35° Inclined

Strike and dip of compaction foliation in ash-flow tuff

35° Inclined

Q Apparent dip of flow and compaction foliation on cross section

Q Apparent dip of bedding

Line of cross section

A—A'

Scale 1:20,000

0 0.5 1 Kilometers

0 0.55 1.1 Miles
0 1000 2000 3000 4000 5000 Feet

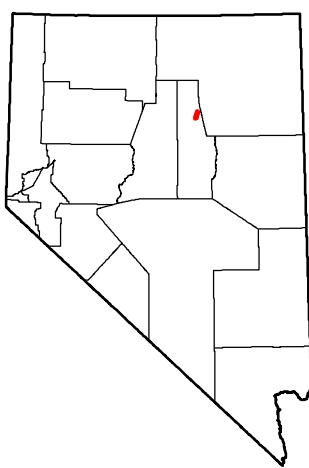
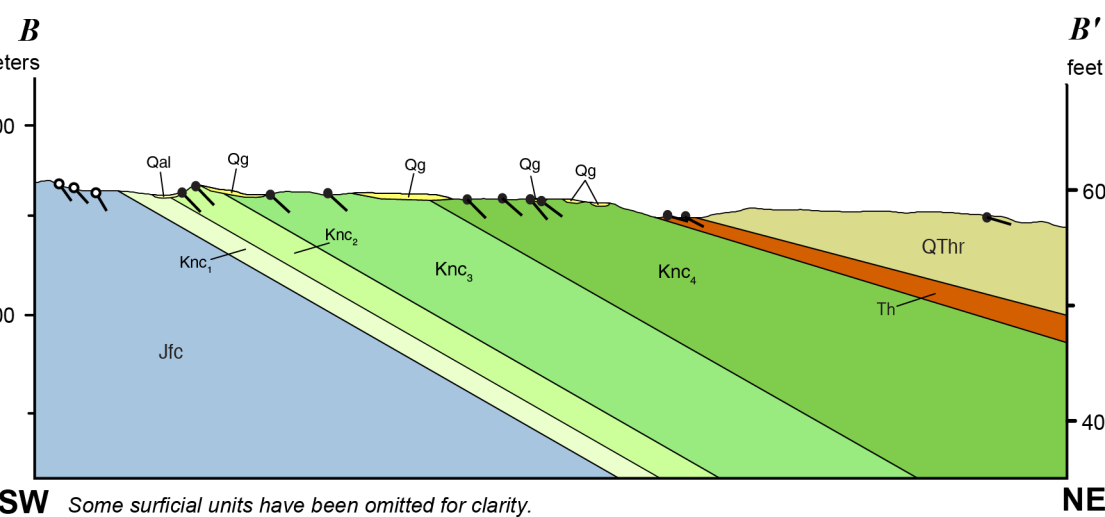
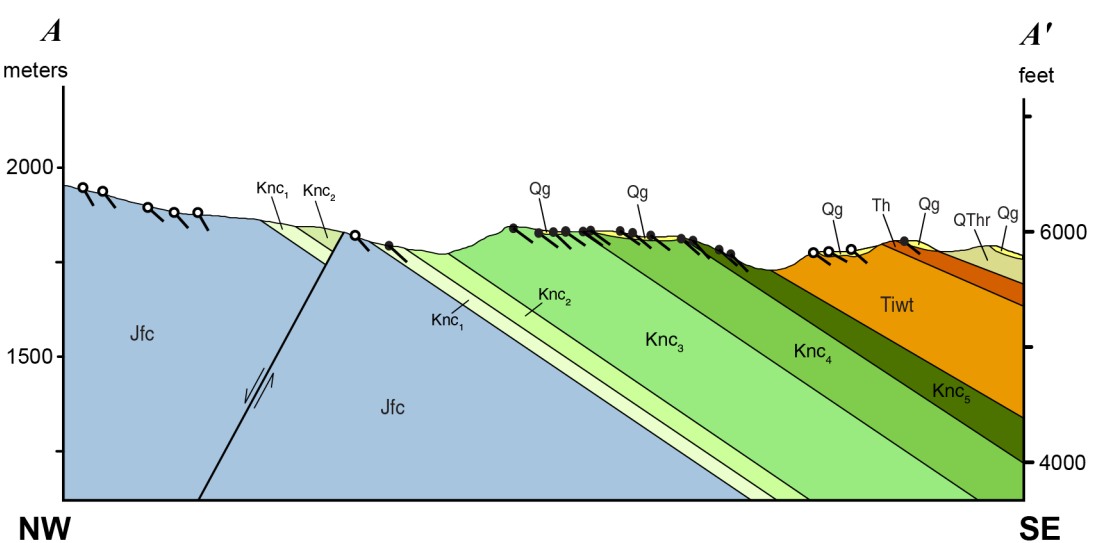
CONTOUR INTERVAL 40 FEET

Projection: Universal Transverse Mercator, Zone 11, North American Datum 1983 (m)

Base map: U.S. Geological Survey McCormack Spring 7.5' quadrangle (2021)
U.S. Geological Survey Palisade 7.5' quadrangle (2021)

Suggested Citation:

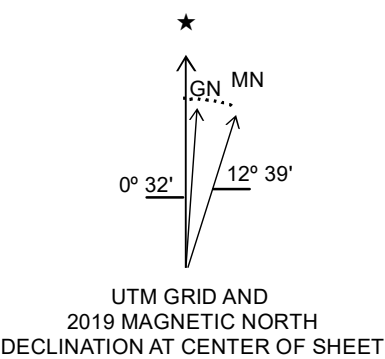
Di Fiori, R.V., and Long, S.P., 2022, Geologic map of the eastern flank of the northern Cortez Mountains, Eureka County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 2022-06, scale 1:20,000, 7 p.



Adjoining 7.5' quadrangle names

1	2	3
4	5	6
7	8	9

- 1 Scotts Gulch
- 2 Palisade
- 3 Ravens Nest
- 4 Frenchie Flat
- 5 McCormack Spring
- 6 Papoose Canyon
- 7 Thatcher Spring
- 8 West of Coffin Mountain
- 9 Coffin Mountain



Nevada Bureau of Mines and Geology
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OPEN-FILE MAP
Has not undergone peer review

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