Geologic Map of the Hinkley Hills

Geology by J.M. Fletcher and M.W. Martin

117°7'30"
34°57'30"

117°5'
34°57'30"

117°2'30"
34°57'30"

117°2'30"
34°55'

Stratigraphic Units

- **Q** — Quaternary sediments undifferentiated.
- **Tvs** — Green volcanogenic siltstone and sandstone.
- **Tr** — Rhyolite.
- **Tru** — Undifferentiated sedimentary and volcanic rocks, primarily ryholite.
- **Tpe** — Tertiary sedimentary conglomerate
- **Tpls** — Limestone member of Pickhandle Formation? Medium gray argillaceous limestone.
- **pd** — Porphyritic dacite (Miocene). Phenocrysts of biotite and plagioclase +-garnet. Groundmass is brown, yellowish brown or orangish brown.
- **f** — Aphanitic felsite (Miocene). Fresh surfaces are white, tan or light grey.
- **d** — Basalt/Diabase (Miocene). Dark green to black.
- **dc** — Dike complex (Miocene). Undifferentiated porphyritic dacite, aphanitic felsite and diabase
- **lg** — Two-mica granite.
- **mc** — Mafic igneous complex containing hornblende gabbro and hornblende-biotite diorite.
- **xgn** — Undifferentiated metasedimentary and metaigneous rocks.
- **dm** — Coarse-grained tan dolomitic marble.
- **cm** — Blueish-grey calcite marble with silliceous layers and porphyroclasts. Also seen as white siliceous marble with graphitic layers.
- **bs** — Biotite schist containing dikes of white peraluminous granite.
- **q** — Brown micaceous quartzite.

Lithologic Contacts

- Known
- Approximate
- Inferred

Faults

- Known
- Approximate
- Inferred

Normal Faults

- Known
- Approximate

Shear Zones

Structural Symbols

- Foliation and stretching lineation.
- Cooling joints in dikes.
- Kink-band cleavage and/or en echelon tension gash arrays.

Topography from United States Geological Survey
Barstow and Hinkley 7.5 Minute Quadrangles

N
W E
S

0km 0.5km 1.0km 2.0km

BM 2165
BM 2158
PIPELINE
WATERMAN
ROAD