

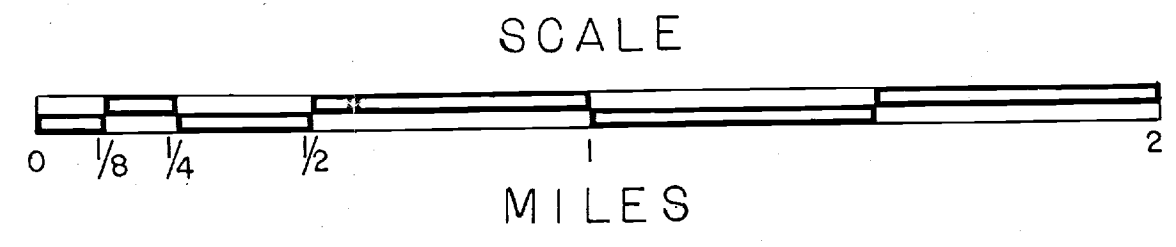
### LEGEND

LITHOLOGIC UNITS	
QUATERNARY	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Qal</div> <div>Quaternary Alluvium</div> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Qoal</div> <div>Older Quaternary Alluvium; semi-consolidated alluvium forming uplifted pediment surfaces.</div> </div>
TERTIARY	<div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Ti</div> <div>Intrusive rocks. Light colored silicic intrusions, mainly sills. Age uncertain.</div> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Tv</div> <div>Tertiary volcanics. Pyroclastic flow rocks displaying eutaxitic texture.</div> </div>
MISSISSIPPIAN	<div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Mu</div> <div>Mississippian undifferentiated. Includes calcareous shale of the Lower Pilot Shale, black shale and sandstone of the Chairman Shale, and reddish brown sandstones and pebble conglomerates of the Diamond Peak Formation.</div> </div>
DEVONIAN	<div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Ddgu</div> <div>Upper Devils Gate Limestone. Pinkish weathering thinly bedded lime mudstones and chert. Graded limestone breccias.</div> </div>
	<div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Ddg</div> <div>Lower and Middle Devils Gate Limestone. Dark gray, massively weathering limestone and interbedded dolomite. Stromatopora boundstones, bioclastic packstones, wackestones, and mudstones.</div> </div>
	<div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Dns</div> <div>Simonson Dolomite. Alternating light and dark gray laminated dolomite. Mudstones and bioclastic packstones and wackestones.</div> </div>
	<div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Doc</div> <div>Oxyoke Canyon Formation. Laminated sandy dolomite and and cross bedded dolomitic quartz arenite.</div> </div>
	<div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Dsr</div> <div>Sadler Ranch Formation. Brownish gray to dark gray medium bedded crinoidal dolomite packstones and wackestones.</div> </div>
	<div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Dm</div> <div>Mc Colley Canyon Formation. Thin to medium bedded, argillaceous lime packstones and wackestones. Very poorly exposed.</div> </div>
PRE-CAMBRIAN	<div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="margin-right: 5px;">Ov</div> <div>Vinini Formation. Black bedded chert that weathers green, tan, and cream colors. Minor reddish weathering sandstone. Exposed only as float. Allochthonous rocks of the upper plate of the Roberts Mountains Thrust.</div> </div>

<b>FAULTS</b>	<b>CONTACTS</b>
<div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="border-bottom: 1px dashed black; width: 50px; margin-right: 5px;"></div> <div style="margin-right: 5px;">D</div> <div>Normal, dashed where inferred, dotted where concealed.</div> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="border-bottom: 1px dotted black; width: 50px; margin-right: 5px;"></div> <div style="margin-right: 5px;">D</div> <div></div> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="border-bottom: 1px dashed black; width: 50px; margin-right: 5px;"></div> <div style="margin-right: 5px;">T</div> <div>Thrust, ticks on upper plate.</div> </div>	<div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="border-bottom: 1px dashed black; width: 50px; margin-right: 5px;"></div> <div style="margin-right: 5px;">C</div> <div>Dashed where inferred or approximate, dotted where concealed.</div> </div>
<b>STRIKE DIP</b>	<b>FOLDS</b>
<div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="border-bottom: 1px dashed black; width: 50px; margin-right: 5px;"></div> <div style="margin-right: 5px;">S</div> <div>Dip</div> </div>	<div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="border-bottom: 1px dashed black; width: 50px; margin-right: 5px;"></div> <div style="margin-right: 5px;">S</div> <div>Syncline, dashed where approximate.</div> </div>
<b>PHOTOINTERPRETED</b>	<b>ANTICLINE</b>
<div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="border-bottom: 1px dashed black; width: 50px; margin-right: 5px;"></div> <div style="margin-right: 5px;">P</div> <div>Arrow shows direction of plunge. Single tick shows dip of axial plane.</div> </div>	<div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="border-bottom: 1px dashed black; width: 50px; margin-right: 5px;"></div> <div style="margin-right: 5px;">A</div> <div></div> </div>
<b>HORIZONTAL BEDDING</b>	
<div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="border-bottom: 1px solid black; width: 50px; margin-right: 5px;"></div> <div style="margin-right: 5px;">H</div> <div></div> </div>	

## GEOLOGIC MAP OF THE DEVILS GATE- NORTHERN MAHOGANY HILLS AREA EUREKA COUNTY, NEVADA PLATE I



TRAVERSE OF  
MEASURED SECTION

END POINTS OF  
CROSS SECTIONS  
A A

TRUE NORTH

MAGNETIC NORTH

17°

NEVADA

MAP LOCATION

WHISTLER MOUNTAIN QUADRANGLE BASE MAP

CONTOUR INTERVAL 40 FEET