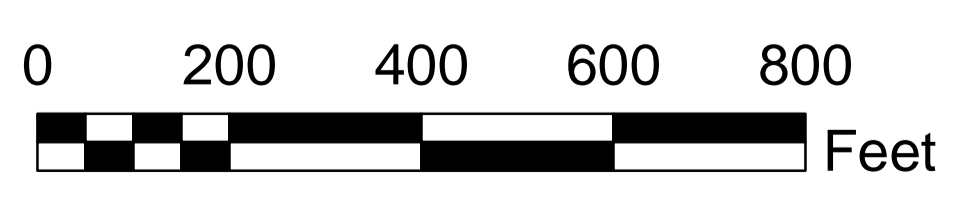


**EXPLANATION**

- |   |   |   |
|---|---|---|
| <ul style="list-style-type: none"> <li> Small-Diameter Borehole</li> <li> Spring</li> <li> Strike and dip of schistosity or layering in marble</li> <li> Cross Section Lines</li> <li><b>Contacts</b></li> <li> Contact, certain</li> <li> Contact, approximate</li> <li> Contact, uncertain</li> </ul> | <ul style="list-style-type: none"> <li><b>Faults and Fractures</b></li> <li> Fault, certain</li> <li> Fault, approximately located</li> <li> Fault, buried or inferred</li> <li> Fault, queried</li> <li> Fracture, strongly expressed</li> <li> Fracture, moderately expressed</li> <li> Fracture, weakly expressed</li> </ul> | <ul style="list-style-type: none"> <li><b>Geologic Units</b></li> <li> sp: Spoil pile</li> <li> sh: Sink hole</li> <li> df: Doline fill</li> <li> Qls: Landslide</li> <li> Tm: Monterey Formation</li> <li> di/hf: Diorite/Hornfels</li> <li> qd: Quartz diorite</li> <li> m: Marble</li> <li> sch: Schist</li> <li> Tsc: Santa Cruz Mudstone</li> <li> Tsm: Santa Margarita Sandstone</li> </ul> |
|---|---|---|

Geology: Babbs, E.E., 1997. Geologic map of Santa Cruz County, California, USGS Open-File Report 97-486.  
 Topographic Contours: Towell, Inc., October 25, 2002. Orthophoto Contour Map of Bonny Doon Limestone Quarry for RMC Pacific Material, scale 1:2,400.  
 Grid Reference: NAD83, California Coordinate System, Zone 18.  
 Sinkhole locations from Wisser and Cox, 1996; Watkins Johnson Environmental, 1992; P.E. LaMoreaux and Associates, May 2005.



1 inch equals 200 feet

**3**

 NOLAN ASSOCIATES	<ul style="list-style-type: none"> <li>• Engineering Geology</li> <li>• Hydrogeology</li> <li>• GIS Services</li> </ul>	Date: 10-20-2006 Revised: Project: 03020-SC
	<b>DRAFT GEOLOGIC SITE MAP</b> CEMEX Bonny Doon Quarry Santa Cruz, California	
Scale: 1"=200' Drawn by: JMN, MPZ, PMW	<b>Plate 2</b>	