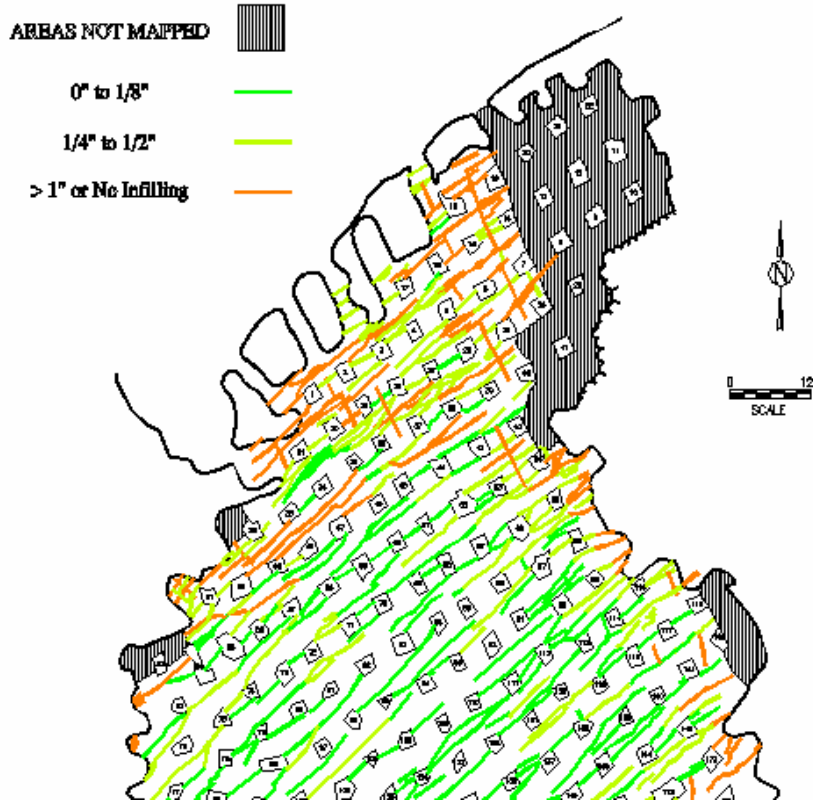


Space Center Summit Facility – GIS

The Space Center Summit Facility in Independence, Missouri is an underground limestone aggregate mine undergoing conversion to warehouse space. The facility has several million square feet of underground space being developed in phases to accommodate client needs. CNA provided mine evaluation services.

ROOF JOINTS AND CRACKS



As part of the mine evaluation, CNA prepared a GIS database for the roof joints and cracks. This information was needed for occupancy and roof support recommendations. First, all roof joints and cracks were mapped in the mine. Information gathered included crack width and length, offset, water leakage, and infilling. This information was then entered into a CAD drawing by digitizing the hand-drawn field maps. A color code was developed based on the various types of information gathered. The drawing above depicts the crack width information for a portion of the mine. Based on the color coding, mine areas where roof problems may be a concern can be seen.

Owner — Space Center Kansas City

Completion Date – Ongoing

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