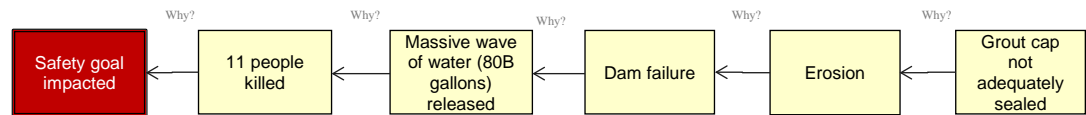


# Teton Dam Failure

On June 5, 1976, the Teton Dam failed releasing approximately 81,800,000,000 gallons downstream in about five hours. Eleven people lost their lives. The flood waters reached almost 300 square miles of land which included 100,000 acres of agricultural land and 32 miles of rail lines. This accident cost the Bureau of Reclamation close to \$400 million dollars.

## 5-Why Cause Map



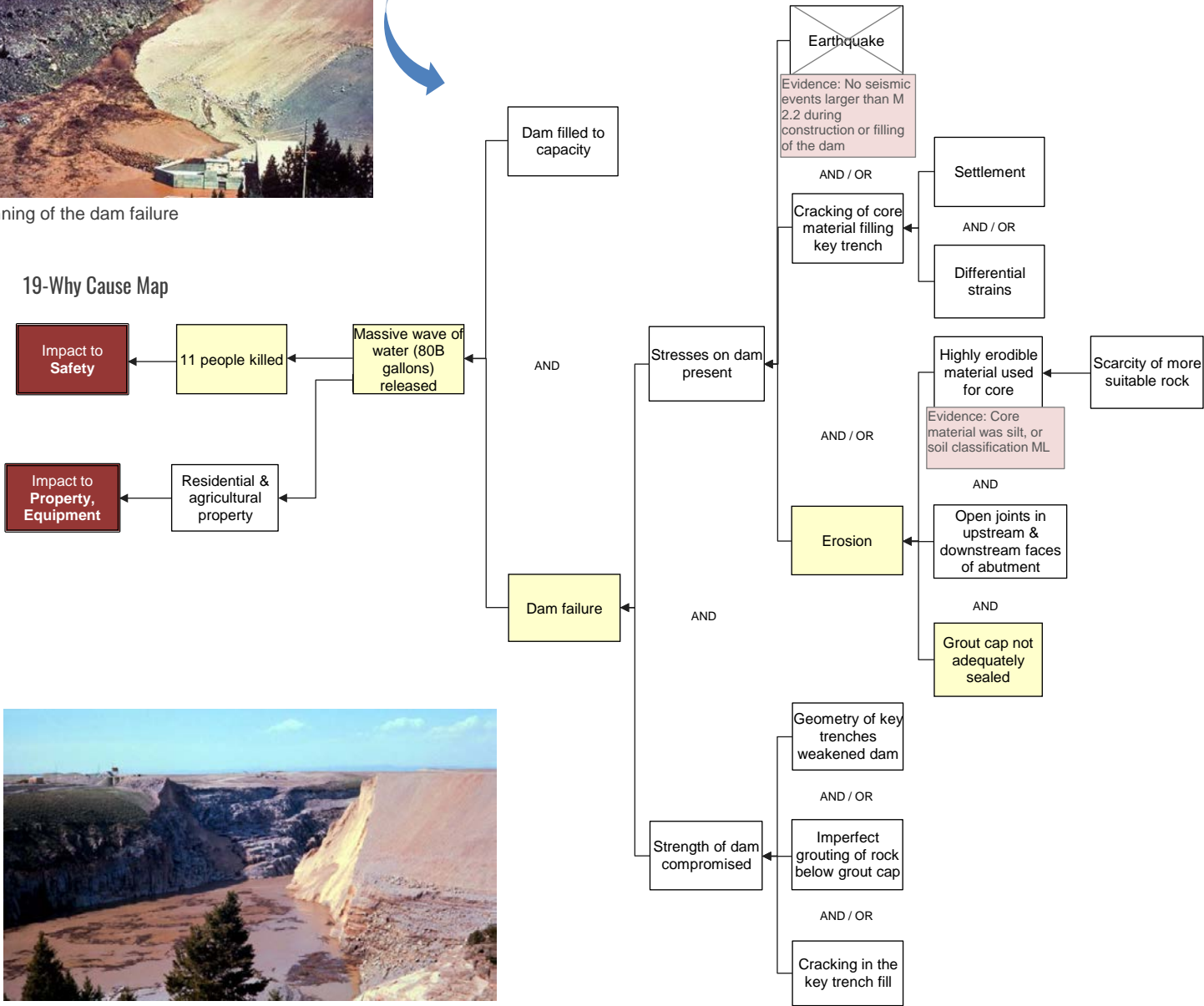
**Start Simple** An analysis breaks a problem down into basic cause-and-effect relationships. The 5-Why Cause Map (above) is a simple and quick way to start an investigation, but with the exception of the simplest incidents you need to continue asking questions and expand the Cause Map. Adding more causes naturally leads to a wider range of solutions being considered. A quick 5-why may focus on the stresses applied to the dam,

**Expand as Needed** By continuing to ask "why" questions, the 5-why Cause Map quickly becomes a 19-why Cause Map, including more useful detail.



Beginning of the dam failure

## 19-Why Cause Map



End of the dam failure

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