

Project:

ASSESSMENT OF EXISTING CONCRETE AND MASONRY DAMS

LOCATION:

Norway

YEAR:

2017

CLIENT:

Energy Norway

SCOPE/PHASE:

R&D project

PROJECT RESPONSIBLE:

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Project description:

A report was prepared as a part of the project "Dam safety in an overall perspective". The aim of the project "Assessment of Existing concrete and masonry dams" was to give recommendations on how to satisfy demands in the Norwegian dam safety regulations for existing dams.

As a part of the stability assessment recommendations were given on how to assess loads and bedrock. Based on a large number of stability calculations the contribution to uncertainty from each component in a stability assessment was decomposed. This formed a basis for recommendations on how safety factors could be reduced and still document the required level of safety.