

Lost Creek Dam

Concrete Arch Dam | 2010



CLIENT
AECOM

LOCATION
Butte County, CA, United States

INDUSTRY
Energy / Construction and Engineering

SERVICE
Structural Dynamic Analysis; Continuous Monitoring

IMPACT

Recorded historical changes in the dam's response alongside changes in reservoir level, without making a current-condition determination.

CHALLENGE

The project required tracking the dam's dynamic response as reservoir levels changed and comparing tilt measurements from different methods.

STRAAM APPROACH

STRAAM monitored response during June–July 2015, related modal-frequency changes to water level, and compared accelerometer-derived tilt with total-station measurements.

RESULT

The measurements showed the dam's response changed alongside reservoir levels during the monitoring period, giving the team context for interpreting those observations.