

GREGG DRILLING PROJECT PORTFOLIO



**GANNETT
FLEMING**



Scope of Work

Gregg Drilling was contracted by Gannett Fleming and PG&E to conduct a geotechnical investigation at the Lake Fordyce Dam for a seepage mitigation project. The project will involve removal of poorly controlled fill at the upstream toe and replacement with engineered fill. Construction of a concrete plinth and grout curtain tied into bedrock and placement of a PVC membrane will be used to control future seepage. Geotechnical investigation of upstream and downstream areas for rockfill was needed for further determination.

Challenges

- Vertical and angled borings up to 30 degrees
- Depth of borings ranged from 50-210ft below ground
- Steel conductor casing to be used and seated into rock

Highlights

- Heliportable drill used on (7) exploratory borings in upstream area with an additional (2) in downstream quarry
- HQ or PQ sized triple barrel wireline coring
- Optical and acoustic televiwer and P-S suspension logging



Lake Fordyce Dam 2023

Equipment/personnel:

- Heliportable Multipower drill
- Optical and acoustic televiwer & P-S suspension logging with GeoVision



Project Manager: Jack Ryan Naylor
Pacific Gas & Electric

Contract value: \$500k



**SAFETY
INNOVATION
INTEGRITY**

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