

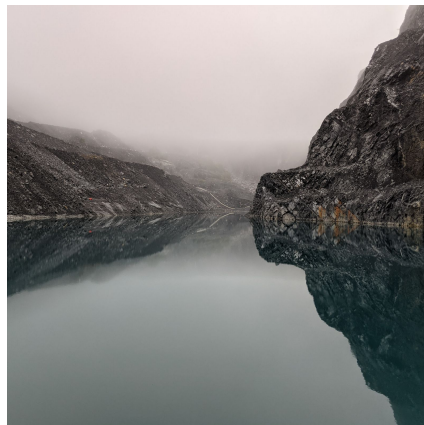
OWSP Quarry Intake

Winchester, VA



PROJECT OVERVIEW AND CHALLENGES

Water supply project in abandoned quarry. 312' of 10' horseshoe tunnel in limestone rock for underground intake. Drill & blast excavation using rock bolt supports supplemented as needed with welded wire fabric and shotcrete. Final lining was 4" of synthetic fiber reinforced shotcrete.



PROJECT INFORMATION - 619

OWNER:

Frederick Water
Construction Supervisor
Charlie Miller
571-223-9904
charlie.miller@frederickwater.com

ENGINEER:

Schnabel Engineering
Stephen Miller
703-779-0773
stmiller@schnabel-eng.com

CONTRACTOR:

Orders Construction

COMPLETION DATE:

12/15/2021

GEOLOGY:

Limestone

EXCAVATION METHOD:

Drill & blast

MINING DIMENSIONS:

10' x 10' horseshoe

FINAL LINING:

Synthetic fiber shotcrete

FOR MORE INFORMATION:

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Refer to Project 619