Ocoee No. 2 Flume Rockslide Stabilization
Ocoee No. 2 Flume Rockslide Stabilization
Project Location
Ocoee No. 2 Flume Rockslide Stabilization

Project Location
Ocoee No. 2 Flume Rockslide Stabilization
Diversion Dam
Ocoee No. 2 Flume Rockslide Stabilization
Ocoee No. 2 Flume Rockslide Stabilization
Emergency Response- Stability Evaluation

Rafting?
Ocoee No. 2 Flume Rockslide Stabilization
Limited field data was collected from site:

- Wilhite Formation of the Walden Creek Group, Ocoee Super Group (Phyllite)
- Structural data of rock mass including cleavage planes and joints

This data was used to develop assumptions for stabilization design

Design calculations based on USACE EM 1110-1-2907, “Engineering and Design: Rock Reinforcement”

Initial Stabilization Scope of Work included:

- Scaling and Grubbing
- Rock Bolting
Ocoee No. 2 Flume Rockslicde Stabilization

Scaling and Grubbing
Ocoee No. 2 Flume Rockslide Stabilization
Scaling and Grubbing
Ocoee No. 2 Flume Rockslide Stabilization

Drilling

11.08.2010
Ocoee No. 2 Flume Rockslide Stabilization

Drilling
Ocoee No. 2 Flume Rockslide Stabilization

Survey
Ocoee No. 2 Flume Rockslide Stabilization
Initial Stabilization
Ocoee No. 2 Flume Rockslide Stabilization

Rock Bolts
Ocoee No. 2 Flume Rockslide Stabilization
Mechanical Anchors
Ocoee No. 2 Flume Rockslyde Stabilization
Grouted Anchors
Ocoee No. 2 Flume Rockslide Stabilization
Grouted Anchors
Ocoee No. 2 Flume Rockslide Stabilization
Grouting
Ocoee No. 2 Flume Rockslide Stabilization
Testing and Post Tensioning
Ocoee No. 2 Flume Rockslide Stabilization

Debris Removal
Ocoee No. 2 Flume Rockslide Stabilization

April 29, 2010
Ocoee No. 2 Flume Rockslide Stabilization

July 19, 2010
Ocoee No. 2 Flume Rockslide Stabilization

August 13, 2010

ARCADIS
Ocoee No. 2 Flume Rockslide Stabilization

August 28, 2010 Debris Monitoring
Ocoee No. 2 Flume Rockslide Stabilization

November 18, 2010
Ocoee No. 2 Flume Rockslide Stabilization
Ocoee No. 2 Flume Rockslide Stabilization
Foundation Grade Beams

[Images of rockslide stabilization work]

ARCADIS
Ocoee No. 2 Flume Rockslide Stabilization
Lower Bluff
Ocoee No. 2 Flume Rockslide Stabilization
Lower Bluff Reinforcement
Ocoee No. 2 Flume Rockslide Stabilization
Ocoee No. 2 Flume Rockslide Stabilization
Ocoee No. 2 Flume Rockslide Stabilization

Snow
Ocoee No. 2 Flume Rockslide Stabilization Scenic

Questions