

DIDIPIO MINE ROAD ACCESS EROSION CONTROL

Quirino & Nueva Vizcaya, Philippines

ENVIRONMENTAL / GEOTECHNICAL / EROSION CONTROL

Product: Enkamat 7018 3D Geomat (Colbond)

Problem

OceanaGold (Philippines), Inc. owns and operates the high-grade gold and copper Didipio mining project bounded by the provinces of Quirino and Nueva Vizcaya, about 270km north of Manila, Philippines. Prior to opening the site for operation, construction of a 24-kilometer access road was required. Large portions of mountain slopes were cut for the access road. These cut slopes, when exposed to rain, were prone to possible failures and could hinder the progress of site construction. Immediate prevention was made to make sure that erosion problems were minimized or totally eradicated.

Solution

The solution proposed by Maccaferri Philippines, Inc. through the contractor, Infracore Philippines Inc. (IPI), was approved by the Owner. The system utilized **Enkamat 7018**, a three-dimensional geosynthetic mat, for soil erosion control of slopes higher than five meters in height and with slope angle greater than 45° but lower than 70°.

Enkamat 7018 is a proven, lightweight, flexible alternative to rigid concrete, asphalt and stone riprap systems for controlling erosion. It is designed to help nature develop strong vegetation for permanent erosion protection of slopes, rivers, banks, ditches, channels, spillways, landfills, shorelines, and other vulnerable erosion-prone areas.

Project Owner

OceanaGold (Philippines), Inc.

General Contractor

Infracore Philippines, Inc.

Consultant

OceanaGold (Philippines), Inc.

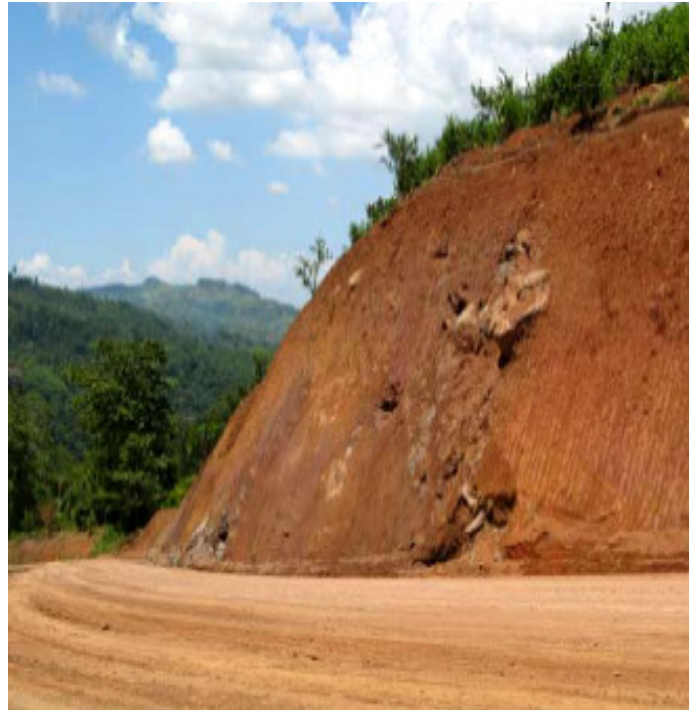
Maccaferri Products

35,520 sq.m. Enkamat 7018 3D Geomat

Construction Info

Start of Construction : July 2007

Completion Date : November 2007



Before Construction

June 2007



During Construction

July 2007

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Quirino & Nueva Vizcaya, Philippines

MACCAFERRI



Near Completion

October 2007



Project Completed

November 2007

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Engineering a Better Solution