

DIDIPIO MINE ROAD ACCESS EROSION CONTROL

Quirino & Nueva Vizcaya, Philippines

ENVIRONMENTAL / GEOTECHNICAL / EROSION CONTROL

Product: BioMac C (Coconut Fibers)

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 **BioMac C**, made of 100% biodegradable coconut fibers, for soil erosion control of slopes less than five meters in height and with slope angle up to 45°.

Biomac 'C' is designed specifically for the reduction of slope erosion and when properly seeded will assist in the propagation of new growth in areas subject to occasional flows. It reduces erosion and downward migration of slope soil when installed properly. It will decompose in time fertilizing the soil and expediting richer vegetation growth.

Project Owner

OceanaGold (Philippines), Inc.

General Contractor

Infracore Philippines, Inc.

Consultant

OceanaGold (Philippines), Inc.

Maccaferri Products

100,000 sq.m. BioMac C

Construction Info

Start of Construction : July 2007

Completion Date : November 2007



Before Installation

June 2007



Before Installation

June 2007

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Quirino & Nueva Vizcaya, Philippines

MACCAFERRI



After 1 month

July 2007



After 2 months

August 2007

MACCAFERRI PHILIPPINES, INC.

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Engineering a Better Solution

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MACCAFERRI



Project Completed

October 2007



Project Completed

October 2007

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