

EXISTING MINING OPERATIONS

This section describes the major operational elements of the Quarry's current operations and other information regarding existing mining activities.

Major Operational Areas

Mining and mineral processing are the dominant existing uses in the Project Area. The major operational components which currently exist within the Project Area and their approximate corresponding acreages are listed in Table 1. These components also are physically and functionally described below, and identified in Figure 3, Project Area, and Figure 4, Site Description. Combined, these components currently total approximately 537 acres, representing existing operations and mining disturbance.¹

Table 1
Existing Quarry Areas

Area	Acres
North Quarry	221.9
West Materials Storage Area	140.1
East Materials Storage Area	74.1
Office and Crusher Area	58.6
Surge Pile	9.0
Rock Plant	18.2
Other disturbance ²	15.1
Total	537

The North Quarry is where mineral extraction currently takes place. The North Quarry covers approximately 221.9 acres and is located north of Permanente Creek. It is characterized by a large mining pit with elevations ranging from approximately 750 feet to 1,750 feet amsl. Slope angles in the North Quarry are currently 1.0H:1.0V overall. Limestone and greenstone are mined from the North Quarry and hauled to the Primary Crusher for crushing. Crushed materials are transported by conveyor either to the Rock Plant or the adjacent cement plant.

The West Materials Storage Area (WMSA) has been the primary overburden storage area for most of the Quarry's history. The WMSA includes approximately 140.1 acres with elevations that range from 1,500 to 1,975 feet amsl. Slope angles measure 3.0(H):1.0(V) overall. The WMSA is currently approaching its existing design capacity, and subsequent closure and final reclamation.

The East Materials Storage Area (EMSA) is the primary overburden rock storage site for current and near-term mining operations. The EMSA includes approximately

¹ This estimated is provided as of May 2010. Because the Quarry will continue in operation during the processing of the project, the area covered by mining operations may increase or decrease before project approval based on ongoing operations and reclamation.

² This refers to areas of current disturbance in the South Quarry (14.0 acres), Central Materials Storage Area (0.2 acres) and Topsoil Storage Area (0.9 acres).