

TIJUANA RIVER NATIONAL ESTUARINE RESEARCH RESERVE GOAT CANYON QUARRY SITE RECLAMATION

CHULA VISTA, CALIFORNIA

► CLIENT

Tierra Environmental Services
9903-E Businesspark Avenue
San Diego, CA 92131

► DATE OF COMPLETION

Professional Services: 2001

► PROJECT COST

Professional Services: \$133,800



The Goat Canyon Quarry Site Reclamation project is part of a comprehensive, long-term restoration program planned for the Tijuana River National Estuarine Research Reserve. The primary goal of this long-term restoration program is to restore to as near natural conditions as possible those parts of the reserve that have been subject to ongoing deterioration.

TerraCosta Consulting Group (TCG) staff's scope of work on the quarry site restoration included evaluating the geotechnical feasibility of reclaiming the abandoned quarry site (predicting the stability of graded slopes, protecting existing on-site active utilities, providing for the protection of an adjacent dechlorination facility), and providing engineering and design input for the development of grading and restoration plans.

TCG staff provided construction-period geotechnical services (under contract with the Southwest Wetlands Interpretive Association) for the Goat Canyon Quarry Site Restoration project. Grading for this project involved the transport of approximately 100,000 cubic yards of stockpiled soil (excavated from the "Model Marsh" site located approximately 1/2 mile to the northwest of the site in the Tijuana River delta).

In addition to the geotechnical aspects of the project, we performed a drainage study for the reclamation site area, addressing the hydraulic impacts of the proposed quarry infill and its effect on the adjacent International Boundary and Water Commission (IBWC) dechlorination facility.