



### Areas of Expertise:

- ◆ Belt Haulage Analysis
- ◆ Coal Handling Systems Design and Analysis
- ◆ Equipment and Facility Appraisals
- ◆ Geological Assessment and Hazards Mapping
- ◆ Geotechnical Studies and Strata Control Analysis
- ◆ Health and Safety Studies, including Ventilation
- ◆ Labor Utilization, Workforce and Supervisor Training
- ◆ Litigation Support and Expert Witness Testimony
- ◆ Mining Sequence and Layout Design, including Face or Pit Operations
- ◆ Preparation Plant Operations Performance
- ◆ Product Quality Improvement, Storage and Blending Optimization
- ◆ Productivity Improvements, Time Studies and Delay Analysis
- ◆ Reclamation Planning and Environmental Compliance Programs
- ◆ Slope Stability Analysis
- ◆ Subsidence Predication and Remediation
- ◆ Support Services Evaluation
- ◆ Technical Audits

### OPERATIONAL ASSESSMENTS SERVICES

The objective of a mine operational assessment is to identify elements of the mining, processing, or support functions that can potentially be improved in order to enhance the competitive position of the operation. WEIR's services assist mine operators to enhance safety, improve productivity, and minimize costs, either by analyzing specific elements of an operation or by conducting audits of the entire operation.

For underground mines, our assessments range from evaluating roof support requirements to recommending improvements to the overall mining operation. For surface mines, assessments range from recommending the optimum selection of equipment to efficient methods of material handling and reclamation.

WEIR also provides technical audits of all aspects of an operation, such as extraction, preparation, quality control, maintenance, supply and inventory, cost accounting, environmental and reclamation compliance, and management or contractor efficiency.