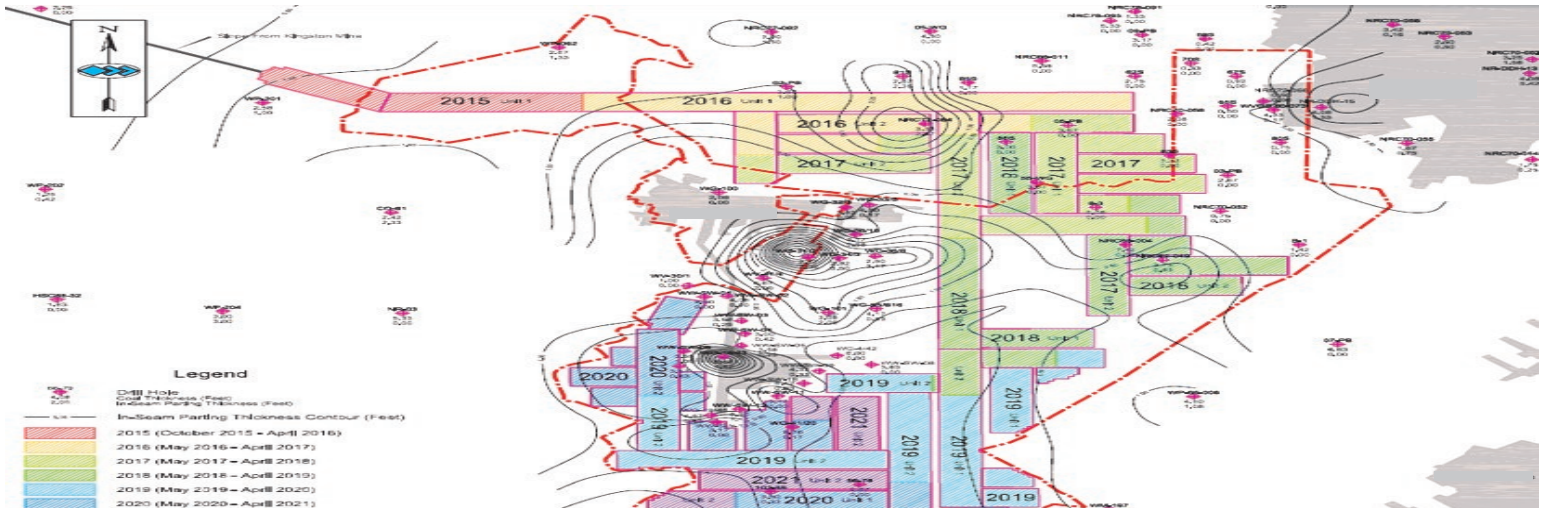


UNDERGROUND MINE PLANNING SERVICES



Weir International, Inc.

Mining, Geology and Energy Consultants



Areas of Expertise:

- ◆ Due Diligence Investigation
- ◆ Equipment and Facility Appraisals
- ◆ Equipment Selection and Productivity
- ◆ Feasibility Studies
- ◆ Haulage Comparisons
- ◆ Litigation Support and Expert Witness Testimony
- ◆ Maintenance Program Evaluation
- ◆ Mining System Evaluations and Operational Assessments
- ◆ Procedures and Operations Training
- ◆ Reasonableness Review Studies
- ◆ Site Selection, and Surface and Infrastructure Facility Design
- ◆ Strata Control
- ◆ Ventilation Studies



UNDERGROUND (Continuous and Longwall) MINE PLANNING SERVICES

The competitive environment that exists in the mining industry results in companies striving to develop and maintain safe, highly productive, and cost effective operations. WEIR understands the regulatory environment under which the United States and international mining industries operate and the issues with conducting mining in various regions. WEIR has conducted engineering and operations studies throughout the mining regions of the United States and internationally. Our mine planning services provide a thorough evaluation of an existing or planned mine, including determination of geology, reserves and resources, resource quality, production and productivity, labor requirements, equipment selection, scheduling, operating costs, capital expenditures, and operations and infrastructure value.

WEIR provides competent engineering and operations services for all aspects of underground mining. We continue to serve numerous United States and international mining companies in identifying suitable properties, designing operational and safety elements of a mine plan, obtaining financing through our bankable feasibility studies, facility design, and providing operational improvements.

WEIR understands the significant importance of developing and maintaining a safe, productive and cost effective mining operation. Our personnel have extensive experience in engineering, operations, and management of mines and are familiar with all types of mining systems, equipment, and mine design, from single-unit continuous miner mines to state-of-the-art longwall mining operations. WEIR personnel have the capability and experience to solve production problems associated with continuous miner and longwall mining operations, as well as determining if longwall mining is the best mining method for a particular property.



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