

CONTINENTAL PLACER INC.

A comprehensive team with a diverse range of expertise within the fields of earth science.

Continental Placer Inc. is a multi-disciplinary consulting firm providing interrelated geologic and environmental services to a wide range of clients. Since 1988, Continental Placer Inc.'s professional geologists, engineers, and environmental specialists have worked together providing innovative, cost-effective solutions to maintain a distinguished reputation as a client-focused consulting firm.



Originally formed with the mining industry as its primary focus our original objective has greatly expanded to offer services within the fields of mine engineering, mine safety, hydrogeology, environmental services, geotechnical services, groundwater supply, environmental management and remediation, regulatory compliance permits and mine acquisitions/divestiture. Our professionals are recognized nationally for such specialties as:

- Exploration/Valuations
- Mine Planning
- Mine Engineering
- Mine Safety and Health
- Expert Testimony
- Geologic Mapping
- Environmental Permitting
- Environmental Assessments & Compliance
- Groundwater Resources

Continental Placer Inc.'s clients range in size from major international corporations to small, privately owned operations. We take pride in our ability to provide quality consulting services.

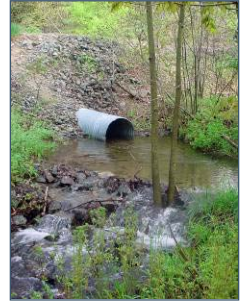
As a professional consulting firm the most important key to our success is the relationship we develop with our clients. We strive to listen and understand each client's distinctive needs and requirements, each client's unique operational parameters. Continental Placer Inc. works closely with our clients to develop realistic and profitable solutions that meet their immediate and long-term goals. Our clients depend on our ability to form effective relationships with the financial, legal and regulatory communities involved with the mining industry.

Continental Placer Inc.'s commitment to exceptional quality, honest and efficient consulting services, will ensure you get the right advice at the right time. *Our client's success is our success.*



OUR CORE SERVICES

Continental Placer Inc. geologists have explored for, evaluated, and worked with mine operators to take hundreds of deposits from an idea to “across the scales”.



As the world’s population increases, so does the need for earth resources. Every man, woman and child necessitates the annual use of approximately 22,000 pounds of rocks and minerals. Yet today, as never before, the mine operator is faced with ever increasing costs, competition and environmental and technical complexities. Within this context, Continental Placer has been offering a full range of mining services for over 25 years.

Mining and Mineral Industry

- Mineral and Aggregate Exploration/Geologic Mapping and Reconnaissance
- Surface and Underground Mine Planning and Permitting
- Market Studies
- Mineral Valuations
- Quality and Quantity Studies/Sampling and Petrographic Analysis
- Pre-Blast Surveys and Blast Vibration Monitoring
- Acquisition Due Diligence
- Computerized Mine Modeling
- Mine Reclamation
- Mine Hydrogeology/Dewatering and Water Resources Assessments
- Mine Safety and Health Compliance
- Ground Control/Stability

Water Resources

- Groundwater Supply Exploration and Development
- Production Well Safe Yield Determination
- Wellhead Delineation and Aquifer Protection Zone Determination
- Well Field Management
- Well Redevelopment/Rehabilitation
- Assessment of Surface Water-Groundwater Interactions
- Water Budget Preparation
- Groundwater Flow Modeling

Environmental Services

- Environmental Site Assessments (ESA)
- Environmental Compliance Audits
- Environmental Impact Statements (EIS)
- Permitting (Air, Wetlands, Stormwater, Surface Discharges, etc.)
- Spill Plans (SPCC)
- Subsurface Contamination Investigations (Phase II, RI, Landfills, UST’s)
- Water Quality Delineation
- Contaminant Fate and Transport Modeling
- Landfill Siting and Closures
- Brownfields Redevelopment
- Building Asbestos Inspection and Sampling

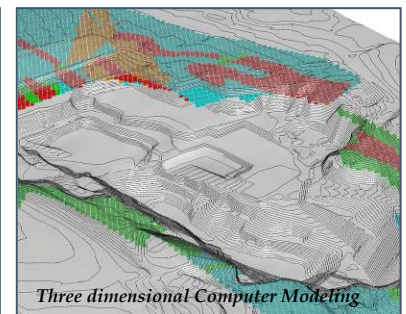
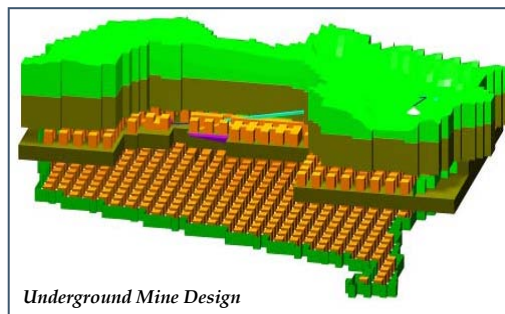
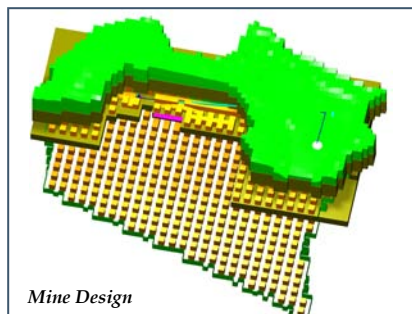
MINE PLANNING SERVICES

Mine your resource in the most economically feasible method with Continental Placer Inc. mine plans.



Every Cent Counts: The mining industry is not immune to a changing world. Regulatory issues, environmental concerns, and razor-sharp competition requires mine operators to produce more economically tomorrow than they do today. You cannot control public sentiment or the cost of a part, but you can intelligently plan your mining operation to save a dime here and a *quarter* there. These savings can be found if you know what to look for.

Change adds up, and Continental Placer Inc. can help you mine every cent of profit.



Our mine planning services:

- Three Dimensional Modeling
- Resource Exploration and Analysis
- Reserve Analysis
- Surface Mine Design
- Underground Mine Design
- Feasibility studies
- Product and Market Studies
- Operational Benchmarking
- Slope Stability
- Productivity Analysis
- Surface vs Underground Mining Analysis
- Stockpile Inventories
- Annual Topography Updates
- Mine Permitting
- Blasting Analysis
- Overburden Studies
- Reclamation Plans
- Valuations

ECONOMIC AND FINANCIAL SERVICES

Resource appraisals or resource/mineral valuations involve selective research of appropriate properties, commodities and the present resource markets. Analysis of this kind must be conducted by professional geologists who have the expertise and intimate background knowledge of the mining industry and the area in which it is located. Continental Placer Inc. has the ability to conduct credible valuations and pertinent market comparisons for properties and commodities throughout the United States. Our valuations follow the recommended economic and financial methodology standards of the (USPAP), Uniform Standards of Professional Appraisal Practices. A sampling of our mining Economic and Financial Services are as follows:



MINERAL AND BUSINESS VALUATIONS

- Deposit Reserves
- Property, Equipment and Operations
- Financial Performance and Range of Values
- Condemnations
- Estimation of Future Demand

EVALUATION AND EXPLORATION

- Regional Reconnaissance and Targeting
- Geologic Mapping
- Drilling Sampling and Supervision
- Reserve Analysis
- Petrographic Studies
- Material Specifications
- Beneficiation

ACCOUNTING AND LEGAL

- Depletion Analysis/ Settlements
- Forensic Accounting
- Tax Analysis
- Reorganization

ACQUISITIONS AND DIVESTITURES

- Due Diligence
- Financial Analysis
- Buyer or Seller Identification
- Market Analysis
- Offering Documents
- Purchase or Sale Negotiation

MARKET STUDIES

- Preferred Market Location
- Competitive Situation
- Site/Operation Availability
- New Product Opportunities
- Transportation and Infrastructure Dynamics

Our expertise and understanding within the mining industry allows for a comprehensive understanding of all the challenges and factors that will determine value. When appropriate we team with a core group of accounting, legal and financial partners to provide an analysis perfectly suited to your unique situation.

ENVIRONMENTAL AND REGULATORY SERVICES

Committed to helping our clients meet the challenges of regulatory and social issues.

Evaluating potential environmental liabilities has become a critical process. Preventative action and environmental foresight ensure regulations are properly met and appropriate checks and balances are developed to reduce risk. Continental Placer Inc. is a leading environmental consultant helping our clients achieve compliance with environmental regulations and conserve capital while achieving business objectives. Continental Placer Inc. can provide you with efficient and cost-effective strategic plans to resolve environmental concerns and develop responsible practices now and into the future.



ENVIRONMENTAL MANAGEMENT

- Develop Environmental Management Policies and Procedures
- Develop Safety Programs and Compliance
- Assist with Acquisition and Divestiture of Real Estate
- Manage Environmental Risk
- Conduct Property Transaction Due Diligence
- Evaluate Waste Management Strategies and Policies
- Minimize Waste
- Manage Stormwater
- Develop Pollution and Spill Prevention Programs

REGULATORY COMPLIANCE

- Prepare Permit Applications
- Provide Employee Training
- Audit Environmental Compliance
- Client Advocacy in Negotiations with Regulators
- Provide Expert Testimony

ENVIRONMENTAL ASSESSMENTS

- Conduct Phase I and II Environmental Site Assessments
- Assess Risk
- Define and Model Groundwater Flow Systems
- Evaluate Remedial Alternatives
- Remediation
- Conduct Remedial Design and Construction
- Implement Risk-Based Corrective Action
- Oversee Emergency Response
- Operate and Manage Remediation Systems
- Conduct Industrial Cleanups and Demolition
- Redevelop Brownfield Sites
- Guarantee Fixed-Price Remediation
- Transfer Environmental Liability

Our expertise is at the forefront of environmental liability issues. Whether remediating an oil spill or performing an environmental site assessment we offer comprehensive, yet cost effective, solutions to environmental problems. As a full service consulting team, Continental Placer Inc. can provide you the help you need from first assessment through permitting and/or remediation.

GROUNDWATER MANAGEMENT AND HYDROGEOLOGY

We offer services in all aspects of ground water studies, from liability assessments, site works, project management, design and implementation, to numerical modeling.

Our professional geologists, hydrogeologists and environmental scientists have worked in a wide variety of roles in both industry and private practice. The interaction between groundwater movement and geology can be quite complex, our professional hydrogeologists have the expertise to predict future behavior of an aquifer system, this is essential for new water sources, developing a plan to assess and remediate a contaminated site, or providing assistance in obtaining your regulatory permits. Continental Placer Inc. is dedicated to providing you the services you need when you need it.



GROUNDWATER QUALITY AND GROUNDWATER MANAGEMENT

- Ground water contamination studies
- Hydrocarbon contamination assessments
- Mining impacts on groundwater
- Ground water flow and transport modeling
- Water supply
- Dewatering
- Regional ground water resource planning
- Ground water monitoring
- Water quality investigations
- Water and waste auditing
- Waste minimization
- Effluent treatment processes and design
- Water quality modeling
- Contamination assessment and remediation

MINE WATER MANAGEMENT

- Baseline environmental studies
- Hydrological and hydraulic studies linked to flood prediction
- Water balance modeling
- Waste characterization and management
- Water supply
- Mine dewatering and dewatering impact studies
- Quantitative contaminant fate modeling
- Diversion structures, stormwater controls and spillways

STORMWATER PLANS AND PERMITTING

- Environmental Impact Statements
- Mining Operations
- Water Supply Source
- Sewage Disposal
- SPDES/NPDES
- Air (Clean Air Act)
- Reclamation
- Wetlands
- Zoning Issues

CORPORATE CONTACT PAGE

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ASSOCIATIONS

Continental Placer Inc. has geologists registered with the American Institute of Professional Geology (AIPG) and in many state throughout the United States. We are proud to be members of many trade and professional associations, on local, state and national levels. These include:

New York Construction Materials Association

Pennsylvania Concrete and Aggregate Producers Association

American Institute of Professional Geologists

Association of Engineering Geologists

National Asphalt Producers Association

National Stone, Sand and Gravel Association

Society of Mining, Metallurgy and Exploration

National Stone, Sand and Gravel Association

International Society of Explosive Engineers

American Water Works Association

National Groundwater Association

Institute of Scrap Recycling Industry

New Hampshire Geological Society

New York State Rural Water Association

Hudson Mohawk Professional Geologists Association

Résumés and References available upon request.