

Levelton Consultants has over 30 years of experience in the evaluation of aggregate resources and products for the full spectrum of uses and applications. These services have been provided to a wide range of clients, including land owners, developers, lenders, investors, aggregate producers, aggregate consumers, contractors, consultants and government agencies.

Natural sand and gravel aggregates and quarried rock are the most common of construction materials. Demand for these products will increase with growth in population and land development, while supplies will be under pressure as existing reserves are depleted, or become unavailable due to development of resource-bearing lands for other uses. Ever-increasing environmental constraints will place even more pressure on the development and operation of aggregate and rock mining operations.

Levelton offers an experienced team and comprehensive laboratory facilities to assist clients in the evaluation, production, environmental management and reclamation of aggregate deposits and quarries.



Assignments have included the following:

- complete assessment of new or unproven deposits:
 - quality and quantity
 - geological classification
 - processing requirements
 - extraction plans, including optimization of the available resource
 - mine development requirements
- market analysis to determine optimum use of the raw aggregate, market pricing, and potential market volumes for various products
- reclamation and close-out plans
- permit applications
- regional aggregate supply and demand studies
- assessment of physical properties of aggregate deposits and quarries:
 - soundness, chemical and physical
 - alkali-aggregate reactivity with cement
 - particle size distribution
 - petrographic examination
- environmental management
- quality control and quality assurance



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Levelton operates fully equipped physical and environmental laboratories which are capable of performing a wide range of tests and assessments related to aggregate geology, physical properties and performance in concrete mixtures, asphalt paving mixtures and other construction uses.



Levelton also has extensive experience in arranging environmental and regulatory approvals. This includes air quality modelling, fugitive dust control, soil contamination issues and quality of process and runoff water.

Levelton's experience and knowledge of aggregate and rock deposits extends throughout British Columbia, Alberta and Washington State. Through its network of branch offices the firm has completed extensive evaluations of numerous deposits, and has carried out regional supply, demand and impact studies for several regions of the Lower Mainland and Vancouver Island. Through this broad experience base, Levelton has accumulated a considerable library of surficial geological and related information useful in evaluating new or existing deposits.



Levelton is uniquely positioned to combine the talent of its experienced geoscientists, materials engineers, laboratory facilities and environmental scientists to provide clients with a comprehensive team of experts to carry out a full range of assignments related to development, operation and close-out of aggregate and quarry operations.