

J.D. MOLLARD AND ASSOCIATES LIMITED

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Product/Service:

Route Location and Terrain Analysis: (Over 450 studies 100,000 km of route mapped and analyzed) - Highways, Access Roads, Pipelines, Power Transmission Lines, Railways, Waterways.

Aggregate Location and Quantity and Quality Appraisal: (Over 700 studies; 65,000 sand and gravel prospects mapped) - Gravel, Clay, Boulders, Rock Quarries, Blender Sand, Filter Sand, Filler Material, Railway Ballast.

Natural Hazard Mapping and Analysis: (Over 80 studies) - Landslides, Snow Avalanches, Rockfalls, Faults, Earthquakes, Piping Failures, Solution and Collapse, Land Subsidence, Accelerated Erosion, Flooding, Highly Expansive Soils, Permafrost, Muskeg, Damage Analysis.

Mine, Mineral, and Petroleum Exploration and Development: (Over 90,000 km² mapped and analyzed in studies) - Photogeological Surveys, Structural Mapping, Fracture Trace and Lineament Mapping, Boulder Tracing Studies, Searches for Base Metals, Diamonds, Gold, Uranium, Coal, Marl, Bentonite, Silica Sand, Remote Sensing Studies for the Development of Oilsand, Base Metals, Asbestos, Potash, and Uranium Mines.

Site Selection and Terrain Assessment: (Over 350 studies) - Dams, Reservoirs, Bridges, Tunnels, Airfields, Harbours, Marinas, New Townsites, Subdivisions, Industrial Sites, Communication Tower Sites.

Land Use and Environmental Studies: (Over 350,000 km² mapped and analyzed) - Monitoring Land Use and Land Cover Changes, Biophysical Inventory Maps, Park and Recreation Studies, Rural and Urban Planning, Terrain Data Base Mapping for Land Use Suitability and Regional Planning, Terrain Analyses for Environmental Assessment.

Water Resource Studies: (Over 550 studies) - Irrigation Studies, Canal Seepage, Groundwater Location and Development, Delta and River Morphology, Coastal and Shoreline Studies, Snow and Ice Reconnaissance Mapping, Drainage Mapping, Wetland Mapping, Soil Moisture Mapping, Salinity Mapping.