

## Why KBM?

Since 1973, KBM has helped its partners in the resource sector with a variety of support services. Today, KBM's clients in government, resource, energy, construction and utility sectors are making informed decisions based on our high quality aerial photography and geomatics services.

KBM's accurate and detailed imagery provides the base for our feature mapping, elevation modelling, landcover mapping, and asset management data products.

KBM is able to provide services to clients across Canada and the Midwest USA through its centrally located base in Thunder Bay, Ontario.

The speed, range and efficiency of our two fixed-wing aircraft enables us to adapt to changing conditions across the continent. In 2010 we captured imagery from Toronto to Victoria and as far north as Inuvik.

There is more to the story. KBM provides a wide range of skills and services from Land Use Planning, Environmental Assessments, First Nations consultation, and other consultation services.



**KBM**  
KBM RESOURCES GROUP

*Practical Innovation.*

*To find out more about KBM's services or to receive a quote:*

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**High-Resolution Digital Aerial  
Photography and Geomatics**

**KBM RESOURCES GROUP**

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***KBM believes in innovative technology that provides practical advantages to its clients.***

KBM owns and operates two aircraft dedicated to aerial mapping. Each is equipped with a medium format digital aerial camera and high-accuracy positioning system. KBM's aircraft are ready to respond on short notice, helping our clients operate within their time lines.

KBM has over 20 years of remote sensing and GIS experience. A long-standing research and development partnership with Lakehead University keep us on the cutting edge of technology and techniques.

KBM's image analysis lab is equipped with high performance workstations operating a full suite of image processing and GIS software.

Our projects are handled in-house from start to finish ensuring consistent high quality products with personal management and attention to detail.

KBM's clients know their business; we have the knowledge, capacity and equipment to provide them with the information they need.



### **Data Capture**

#### ***High-Resolution Digital Aerial Photography***

- True colour, high-res images (5 - 50 cm ground resolution)
- Forward Motion Compensation improves accuracy and ensures crisp imagery
- Direct georeferencing of images
- GPS field data collection for ground control as needed

### **Data Analysis**

#### ***Photo Analysis***

- High performance software
- Multiple stereo workstations for digital photogrammetry and GIS applications
- Team of certified photo interpreters
- Land cover classification/feature mapping including forest resource inventory

#### ***GIS Integration***

- Digital 3D or traditional 2D mapping options
- Image backdrops for use with GIS layers
- Automated or semi-automated image classification
- Hydrological modelling



#### ***Digital Terrain Modelling***

- High-density 3D point cloud generation from aerial photography
- Elevation modelling
- Contour generation
- Cut/fill and precision volumetric modelling (roads, pits, stockpiles, etc.)
- Bare earth, surface, and spot elevation data
- LiDAR data processing and analysis

#### ***Maps and Other Information Products***

- Accurate orthorectified mosaics that are colour-balanced and seamless
- Wide range of data-specific, custom map generation
- Hardcopy, digital, and web-delivered maps
- Decision-support systems and scenario modelling software for water systems, forest management, mine site, environmental impact modelling, and others