

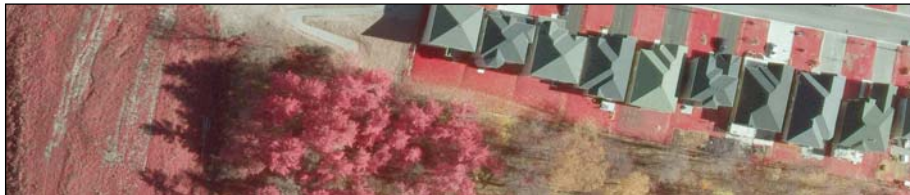
RAW IMAGES & ORTHOPHOTO

FBS has invested heavily in technology to enable it to meet the growing demand for geospatial data. It has captured and currently maintains aerial maps for Southwestern and Central Ontario as well as major urban centres across Canada.

Raw images include panchromatic (grey scale), RGB (colour) and CIR (colour infrared).



Panchromatic raw image (grey scale)



CIR colour infrared raw image



RGB colour raw image

Traditionally, aerial imagery was captured on film. But with the acquisition of high-speed large format digital camera technology, FBS can now create better image quality, higher levels of accuracy, and reduce image post-production turnaround.

Orthorectified imagery is generated using ISM DiAP digital photogrammetric workstations employing a wide range of software tools. Aerial triangulation and raster digital elevation model (DEM) data are inputted.

To the right is an example of a fully orthorectified image. All orthorectified images are then stitched and blended to produce a seamless image with consistent colour and brightness. These images can be inputted into Google Earth, other visualization tools, and GIS systems for display and manipulation.



Imaging Earth is our expertise. A wholly-owned subsidiary of J. D. Barnes Limited, (founded in 1960), First Base Solutions, since 2000, has been providing geospatial products and services that include digital aerial image acquisition, orthophotography, and rapid production of cityscapes comprising tens of thousands of precision 3D models. We also develop web e-commerce mapping applications and offer Google Earth Enterprise as one of only three Google geospatial partners worldwide and the first outside the USA.



Visit our website at:
www.firstbasesolutions.com

Contact us at:
First Base Solutions Inc.,
140 Renfrew Drive
Suite 100
Markham, Ontario,
Canada L3R 6B3

Phone: 905.477.3600
Fax: 905.477.0892
info@firstbasesolutions.com

43° 51' 33.27" North
79° 21' 52.70" West