



April 29, 2011 News Release

PhotoSat completes stereo satellite elevation mapping for American Vanadium's Gibellini vanadium deposit in Nevada.

PhotoSat has completed digital elevation mapping of American Vanadium's Gibellini vanadium deposit in Nevada using stereo satellite photos from WorldView-2, the world's newest commercial high resolution imaging satellite. The WorldView-2 satellite is owned by DigitalGlobe of Longmont Colorado, the world's largest commercial satellite company. The digital elevation map consists of an elevation point every metre and contours with 1m elevation intervals. Based on comparisons between the stereo satellite elevation mapping and thousands of ground survey points on similar projects, the accuracy of the stereo satellite elevation mapping is expected to be better than 50cm in elevation. The stereo satellite elevation mapping will be used for project planning and engineering studies for the Gibellini vanadium deposit.

"We are delighted to have the opportunity to be able to provide the newest high resolution stereo satellite photos and elevation processing technology to advance American Vanadium's Gibellini vanadium project. The Gibellini project has the potential to become an important source of vanadium for the production of high quality steel and for vanadium redox batteries used for the mass storage of renewable energy." says PhotoSat president Gerry Mitchell.

For more information on our accuracy case studies, go to <http://www.photosat.ca/resources.php#main=papers.php>.

About PhotoSat

PhotoSat is a team of geophysicists and associated geoscientists specializing in the computer processing of high definition elevation data from stereo satellite photos. These detailed elevation maps are used for the identification, evaluation, and monitoring of natural resources and the planning and design of resource development projects and their related facilities and infrastructure. Our goal is to provide satellite photos and derived high definition elevation and other datasets that enable decision makers in the resource industries to make better decisions in less time. Our principal clients are mining, oil and gas, engineering and environmental companies and government agencies.

About American Vanadium TSXV:AVC

The Company is currently developing the Gibellini Vanadium Project, a vanadium resource in the state of Nevada, USA. Vanadium is growing in importance as an alloying metal used to strengthen steel as well as the emerging uses in the mass storage of green energy for grid level applications and high performance lithium vanadium batteries for the automotive and mobile power sectors. The Company's Gibellini Project is unique in its ability to have economic production of vanadium pentoxide for the steel industry as well as vanadium electrolyte for the mass storage of energy.