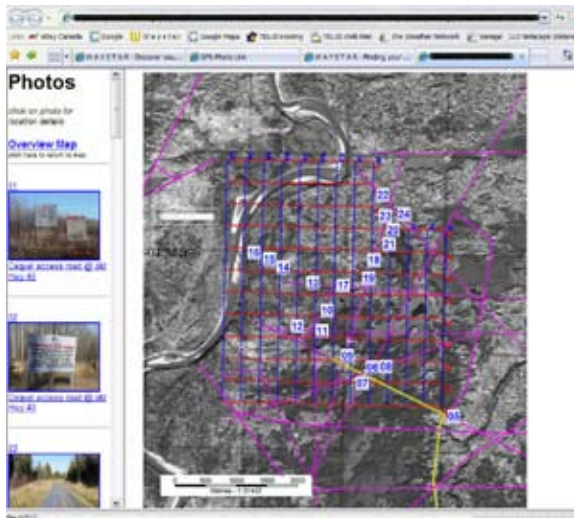


GEOWORLD CASE STUDY:

Geophysical Scouting Firm Combines GPS Photo Mapping with Google Earth to Deliver Logistics Reports for Oil & Gas Exploration



Generated web pages utilize dynamic links between photos and the exact location of where each photo was taken. Combined with aerial photography and GPS logged route data, clients can review information in a user friendly visual format."



Aerial scouting is done over areas with limited existing access and provides a basis for ground reconnaissance. Knowing the exact location of potential problem areas beforehand can greatly assist access route planning.

Waystar, a Canadian geophysical scouting firm, uses GPS-Photo Link software to export georeferenced photographs directly into Google Earth for delivery to oil & gas exploration companies. These GPS-tagged photographs and field reports are saving the energy exploration companies tens of thousands of dollars in planning the logistics of seismic survey activities in Canada.

In advance of seismic operations, Waystar Inc. of Edmonton scouts exploration locations and provides reports detailing the access routes and stream crossings that will be used by the heavy seismic equipment and crews to reach the exploration areas. These routes and crossings must be mapped in advance with their locations pinpointed in official exploration applications to the Alberta government.

"In the past, the exploration companies could only look at topographic maps and estimate where their equipment could cross the streams, but if they incorrectly judged a viable crossing point, they had to re-apply for a permit to move the heavy vehicles," said Wayne Starchuk, President of Waystar. "In some cases, an entire seismic crew might sit idle at a cost of up to \$50,000 per day waiting for the amended application to be approved."

Today, Waystar scouts the routes in advance and takes photographs of every stream crossing with a Ricoh GPS-equipped digital camera. At the end of each day's scouting, Starchuk downloads the photos to a laptop computer running the GPS-Photo Link photo mapping software from GeoSpatial Experts. The software automatically correlates each photo with the GPS-location where it was taken. GPS-Photo Link has a built-in function to export the photos to Google Earth so that an icon representing each photo appears in its proper location on the map layer.

"My clients can receive the Google Earth KMZ

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Ground reconnaissance provides confirmation of potential access and/or watercourse crossing issues. Alternate routes are then scouted, photographed and logged with GPS.



Accurate preliminary scouting information can provide the tools and resources necessary to bring the "Power of Knowledge" into client logistics planning and decision making.

file by email and launch it on their own computers in the office," explained Starchuk. "The client can see on the map where each stream crossing is located and then click on the photo to view it in

detail to determine what size vehicles can cross at that point."

Armed with this GPS-tagged visual information and a written field report, Waystar's clients have experienced a dramatic reduction in the number of geophysical survey applications that need to be amended. This eliminates crew down time and can significantly cut the costs of seismic operations.

"The Waystar application illustrates the valuable role that GPS-Photo Link software can play in planning logistics for any operation that requires accurate location data and photographic observations," said Rick Bobbitt, President of GeoSpatial Experts.

For more information on GPS-Photo Link, visit www.geospatialexperts.com. Please visit www.waystar.ca for more information on Waystar. ●