



PRESS RELEASE

Alteration mapping and identification of mineral alteration zones with an oreXpress™ field spectrometer

Lawrence, MA – July 24, 2013 – Quickly and accurately detect mineral zones of alteration with an oreXpress™ or oreXpress Platinum field spectrometer with EZ-ID™ mineral identification software.

As geologists work to better understand the geology and alteration patterns of the area they are exploring, oreXpress spectrometers with EZ-ID can provide detailed data by measuring reflectance from outcrops, chips, or drill core. With oreXpress geologists can identify:

- Micas – muscovite-paragonite, biotite, phlogopite
- Chlorites – variations in iron-magnesium chlorite, epidote
- Amphiboles – tremolite, hornblende, actinolite
- Sulfates – jarosite, gypsum
- Clays – illite, illite-smectite, kaolinite, dickite
- Carbonates – calcite, dolomite, ankerite, siderite
- Tourmaline – Fe-tourmaline, tourmaline

By matching unknown samples against a known spectral library (EZ-ID includes USGS and SpecMIN libraries for almost 4,000 spectra), a geologist can quickly identify an alteration mineral that may not be readily apparent to even the finest, trained human eye. The oreXpress is portable (lightweight, easy for a single user to operate), designed for the field, but also well-suited for core logging, where a single user could identify and log 400 meters per day.

All oreXpress files are saved in ASCII format for easy import into 3rd party analysis software for mine planning, mineral mapping, and 3D imaging. With mineral identification accomplished in seconds, oreXpress allows a geologist to scan more area and collect more critical data for planning a drilling strategy that will maximize the return on investment.

For more information visit:

http://www.spectralevolution.com/applications_alteration_mapping.html

To communicate with a technical sales specialist: sales@spectralevolution.com

About SPECTRAL EVOLUTION

Established in 2004, SPECTRAL EVOLUTION is a leading manufacturer of laboratory and handheld portable spectrometers, spectroradiometers and spectrophotometers. SPECTRAL EVOLUTION spectrometers are used worldwide for many mission-critical lab and field applications in mining, remote sensing, vegetative studies, ground truthing, environmental and climate studies, developing satellite calibrations, and more, due to their reliable, robust, rugged design and user-friendly one-touch features.

SPECTRAL EVOLUTION maintains a facility in Lawrence, Massachusetts which houses design, prototyping, manufacturing and service facilities for the instruments that it markets and sells worldwide, either through direct sales, OEM sales or through distributor agents.

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