

Airborne survey



Powerful: HeliTEM in action.

Gold and copper explorer Emmerson Resources recently used the world's most powerful, helicopter-borne geophysical survey system on, or should that be above, its Tennant Creek project.

It is the first time the technology, called HeliTEM, has been used in Australia and Emmerson hopes it will identify large under-cover deposits and extensions to the historic mines which have produced more than 5.5 million ounces of gold and 470,000 tonnes of copper.

It is part of a \$28 million program being funded by Ivanhoe Australia under a farm-in agreement with Emmerson.

HeliTEM is already flying orientation over historic deposits such as White Devil Orlando and Gecko.

The Tennant Creek field has been one of the highest grade goldfields in Australia and has delivered up gold worth more than \$6 billion at today's prices. Emmerson has consolidated 95

per cent of this mineral field where only 7 per cent of the historical drilling has penetrated below 150m.

Some of the most prospective rocks in the field lie hidden beneath recent cover and Emmerson plans use new geophysical data and processing technology, to locate the next generation of gold-copper deposits.

The HeliTEM system is not only the world's most powerful helicopter supported time-domain electromagnetic system, but has a unique low noise receiver to ensure great depth penetration.

Its commercialisation on a helicopter platform has, for the first time, provided a cost effective and efficient means of screening Emmerson's undercover targets with cutting edge detection technology.

Providing the iron-oxide and sulphide-gold bodies are of sufficient size, the HeliTEM survey has the potential to greatly assist in more directly

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locating mineralisation and identifying top tier drill targets.

While results of the first stage of the HeliTEM program are pending, analysis of drill core from many of the major deposits within the tenements are looking positive.

High flying firm

For more than 30 years, Dwyer Aviation Services has been Townsville's number one helicopter service.

Since 1980 it has provided a broad range of charter and aerial work services across all areas of northern and western Queensland, consistently adhering to its company values of integrity, safety and quality.

Dwyer's fleet of helicopters and extensive ground support provide uninterrupted aerial operation while its expert pilots and world class equipment ensure a safe and professional experience every time.

Dwyer also operates the biggest civilian heavy lifting helicopter in Northern Queensland - a Bell UH-1B Huey.

Over the years, Dwyer Aviation has become increasingly involved with exploration and mining efforts across northern Australia, offering a range of services:

- Mining support, surveys and sampling
- Environmental sampling and studies
- Gas pipeline patrols
- Powerline inspections and emergency response
- Geo-referenced video mapping
- Thermal imaging

Pilots are experienced in a range of precision heavy lifting activities including transporting exploration drill rigs (heli-drilling), building materials, dirt and rock, sections of pipeline, water tanks, fuel drums and demolition rubble.

Dwyer regularly provides charter services to mining executives, investors and operational staff, particularly during the wet season and its comprehensive safety management system and equipment ensures a safe trip every time.

Information: website - www.dwyeraviation.com.au.

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