

Portable XRF Analyzers by Thermo Fisher Scientific and the Hay Mountain Project



Thermo Fisher Scientific manufactures the portable XRF (x-ray fluorescence) analyzers Liberty Star uses in the field at the Hay Mountain Project. Geoscientists use portable XRF analyzers on geologic samples from surface terrain or in mines to identify elements. “The results from the analyzers help mining operators and geologists make decisions about drilling, relocation, metal concentrations and mine mapping. They are invaluable at the mine site because they are small enough to do real-time analysis in the field.” (Marlene Gasdia-Cochrane, 08.06.2016 acceleratingscience.com)

On May 28, CEO/Chief Geologist Jim Briscoe talked about the importance of portable XRF analyzers, how he used the Thermo Fisher Scientific model [Niton™ XL3t GOLDD+](#) at Hay Mountain, and outlined planned procedures once phase 1 exploration activity begins. ([CEO/Chief Geologist James A. Briscoe on x-ray fluorescence and in field procedures at Hay Mountain](#)). Clearly, this equipment will continue to play a major role at Hay Mountain.



XRF technology has its critics. Safety concerns, reliability, and technical complication have led to questions about the efficacy of using portable x ray fluorescence. Jim believes Thermo Fisher Scientific has more than adequately addressed concerns. Through their website (acceleratingscience.com) Thermo Fisher Scientific has sought to educate the public and address critics. They recently reissued “[Our Top 10 Mining Articles](#)” for that purpose. Right now article eight, “[Portable XRF Analyzers Lead the Way...to Gold](#),” is a great way to

learn about portable x-ray fluorescence and how Briscoe and his team will use this technology to make progress at Hay Mountain.