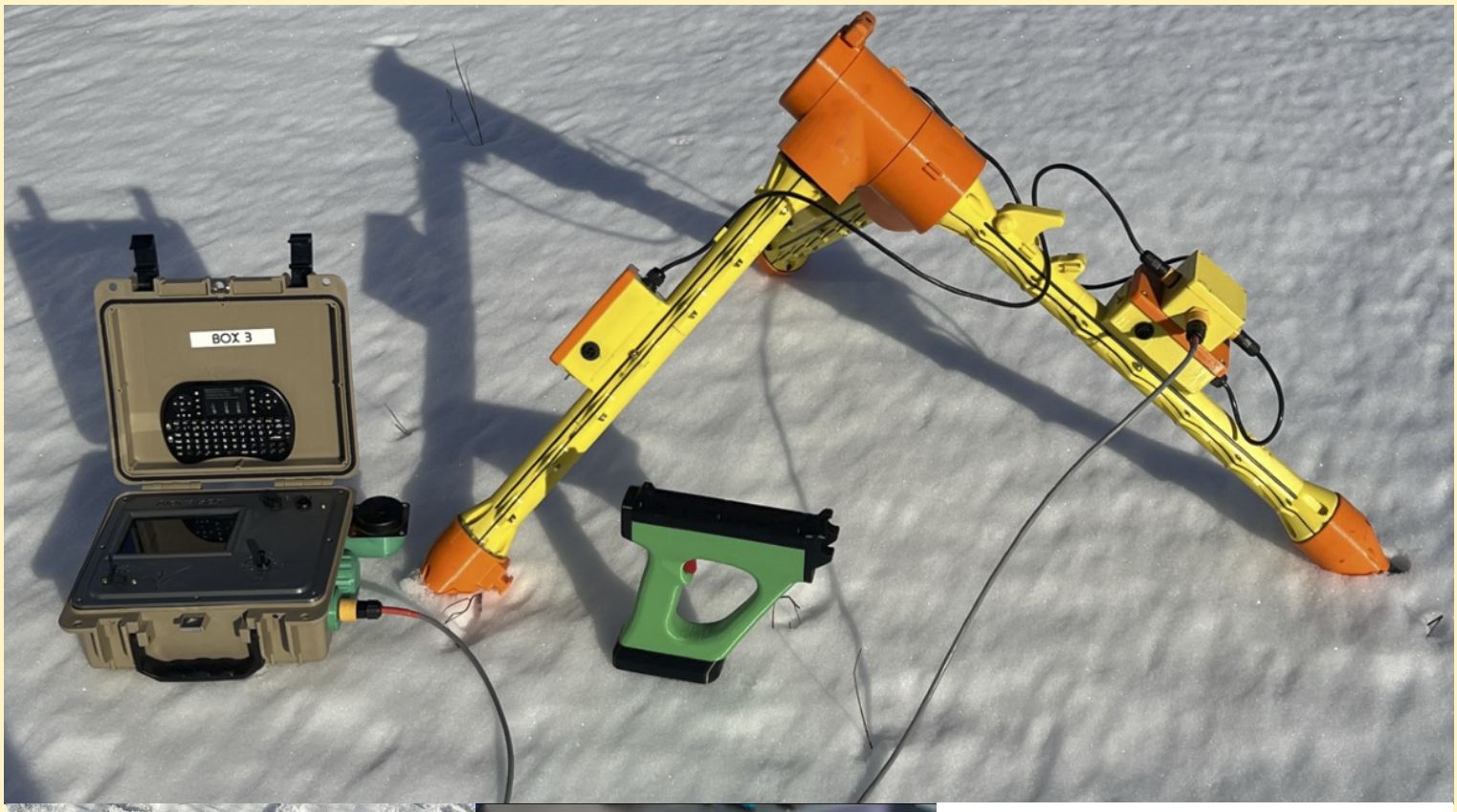
NovEM

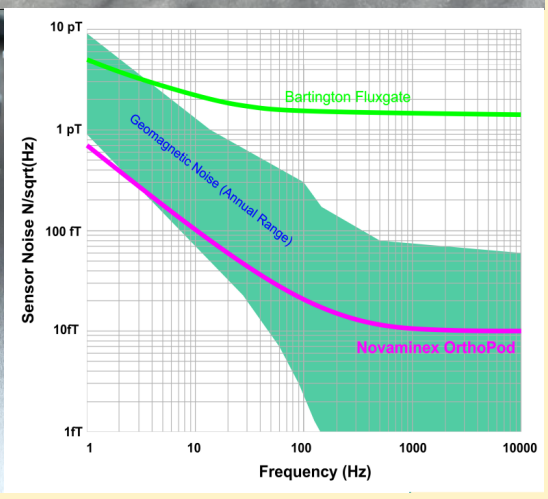
Precise, practical electromagnetic sensing for deep detection

For deep detection of sulphide deposits, Novaminex has developed NovEM, a low-noise 3-axis sensor and receiver system that can be used for TEM or passive-EM surveys. The 3-axis orthoPod is comprised of three Novaminex-24 B-Field sensors integral to its folding legs. It provides excellent noise performance (up to 100x better than a fluxgate magnetometer) sensing the magnetic field over a wide frequency band (0.2Hz-25kHz) . The orthoPod can be separated in seconds into its individual coil sensors for easy packing, calibration and pre-survey validation. Each orthoPod is paired with a NovaBox data acquisition system, a 50kS/s, 3-channel data logger. The companion hand-held "Arrow" tool includes a low-drift gyro and provides for accurate determination of the orthoPod orientation using a number of modes depending on the variability of the local static magnetic field.



orthoPod folds flat in seconds for easy carry between stations.

Handheld orientation tool using precision IMU.



Sensor noise 100x better than fluxgate

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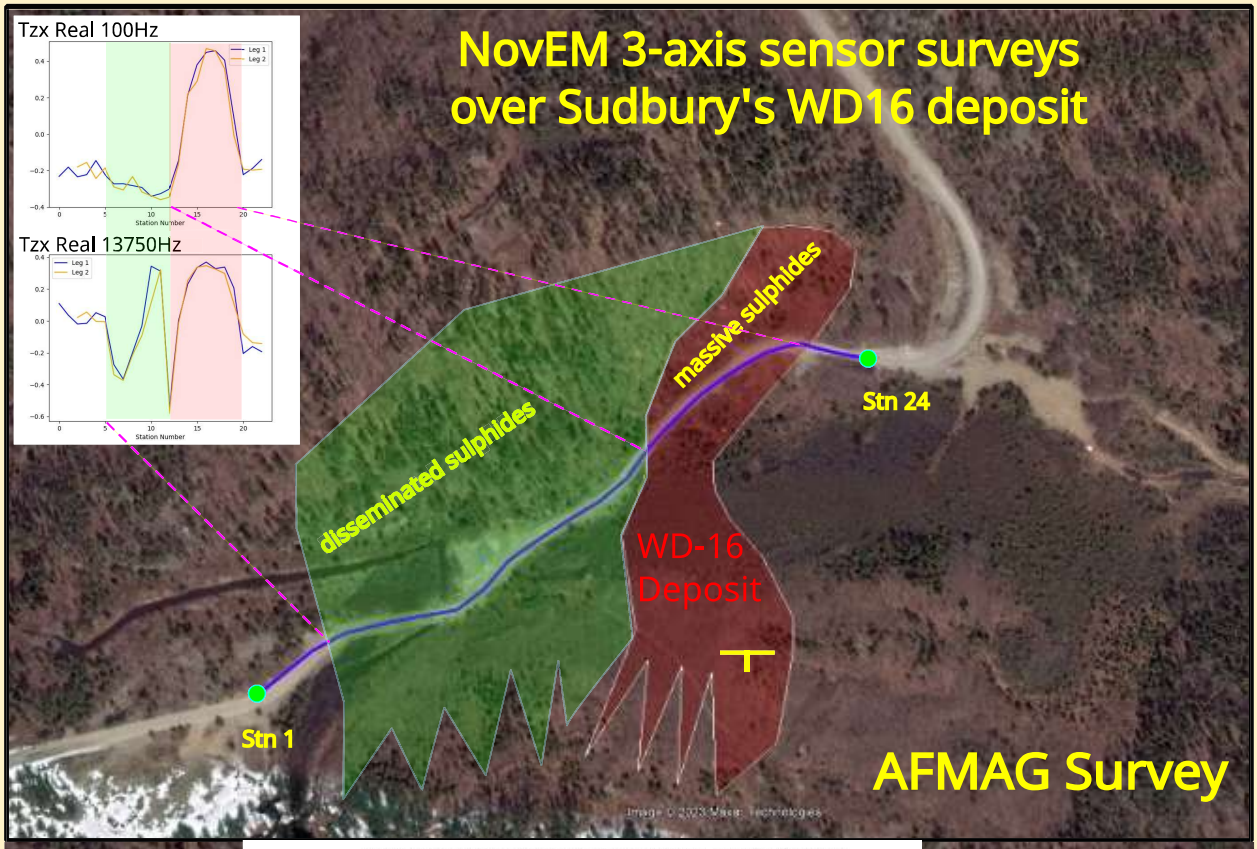

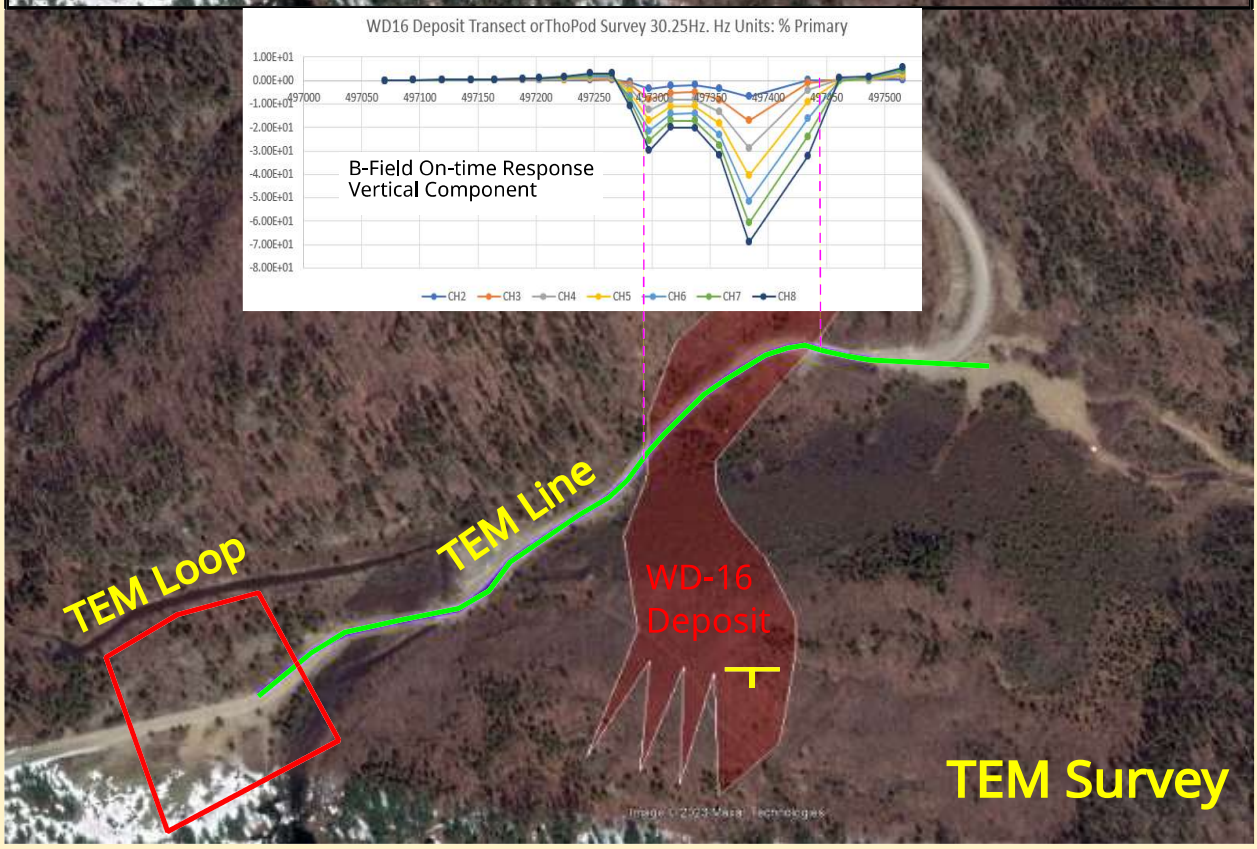

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