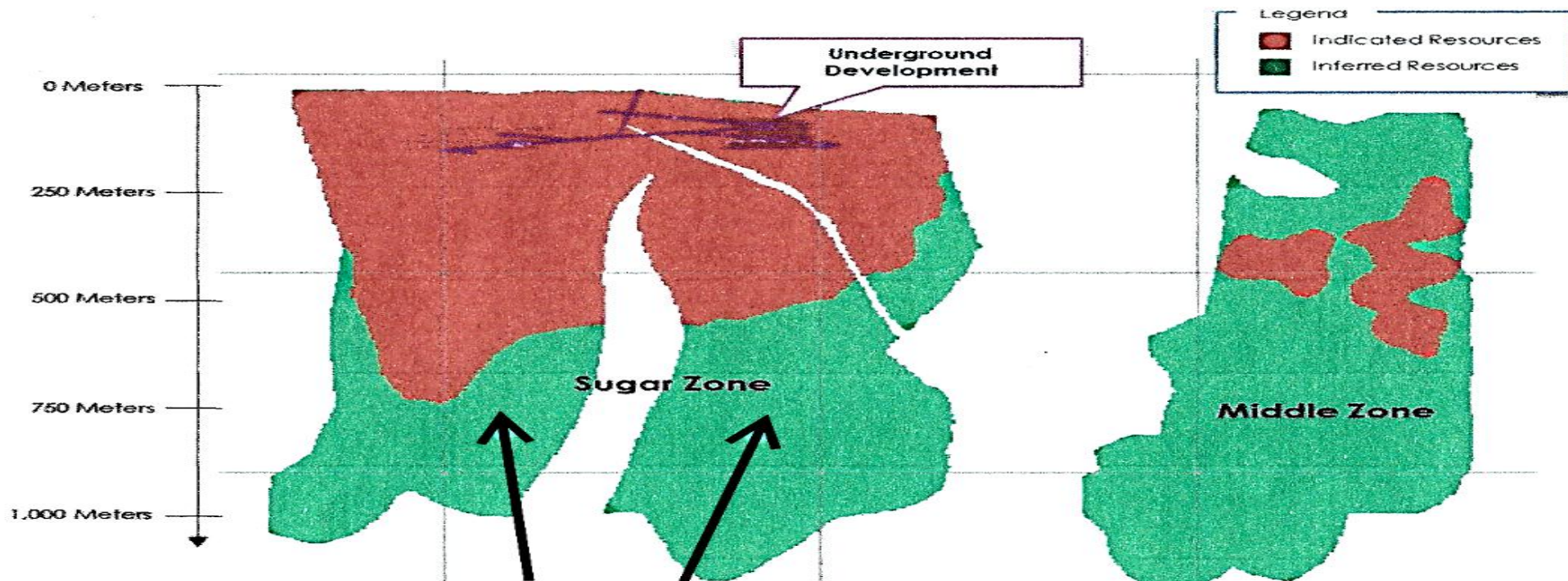# VLF-EM GROUND SURVEY

K-H CURRENT DENSITY ANOMALIES TO DETECT GOLD DEPOSITS

Sugar Zone Gold Deosit at Harte Mines,Wawa ON


Harte Gold's Sugar Zone Gold Deposit

Mineral Resource Estimate, at 3.0 g/t Au Cut-Off[1-6]

Zone	Classification	Tonnes	Grade (g/t Au)	Contained Gold (ounces)
Sugar	Indicated	2,148,000	8.61	594,700
Middle	Indicated	460,000	8.09	119,500
Total	**Indicated**	**2,607,000**	**8.52**	**714,200**
Sugar	Inferred	1,802,000	6.37	369,300
Middle	Inferred	1,788,000	6.81	391,500
Total	**Inferred**	**3,590,000**	**6.59**	**760,800**

The K-H Current Density Anomalies in Green Show the Sugar Zone Gold Ore Deposits Resulting From Sulphide Minerals
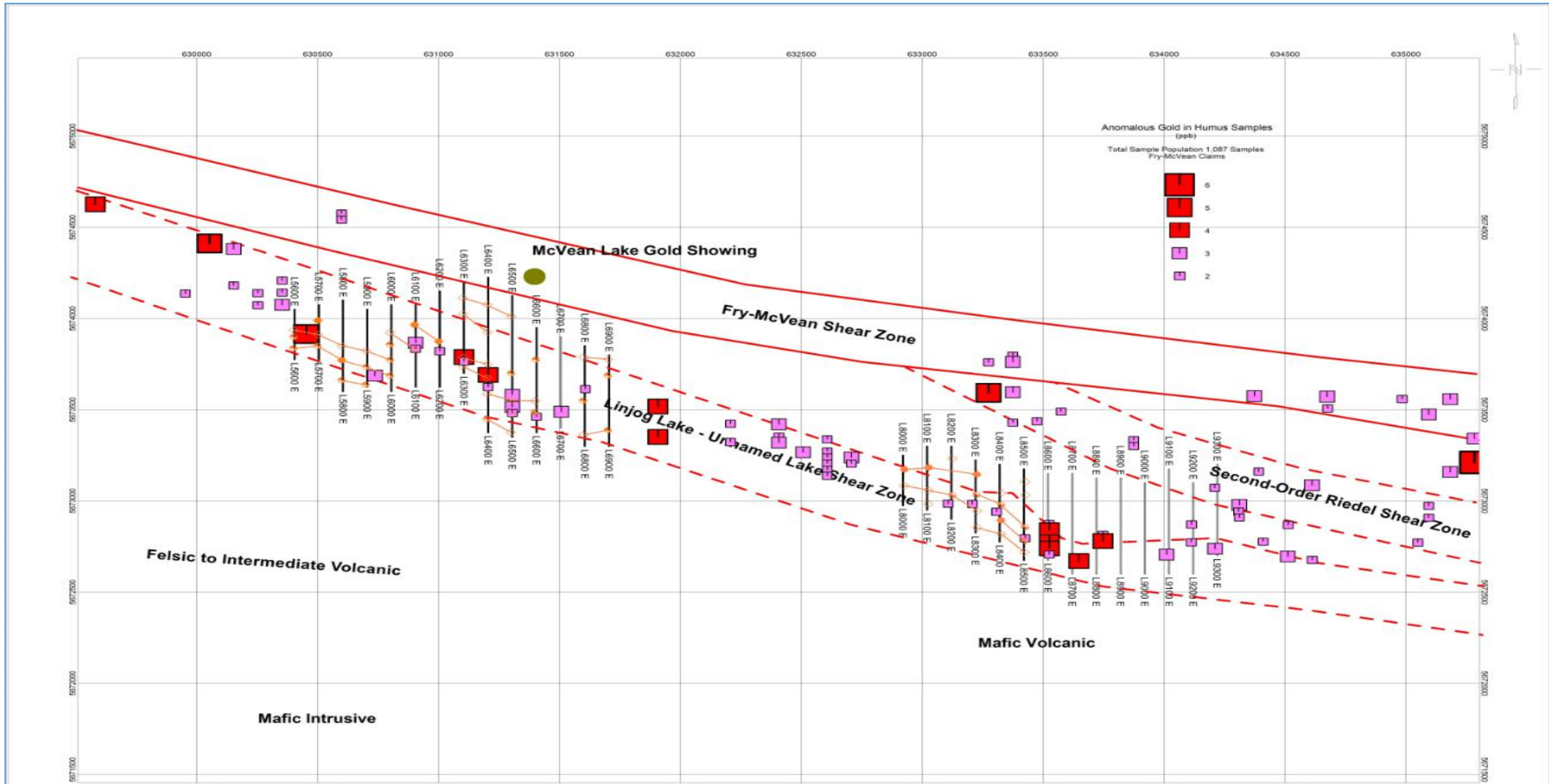

VLF–EM – Current Density
Line: Harte Gold Line Sugar Zone Line 129N
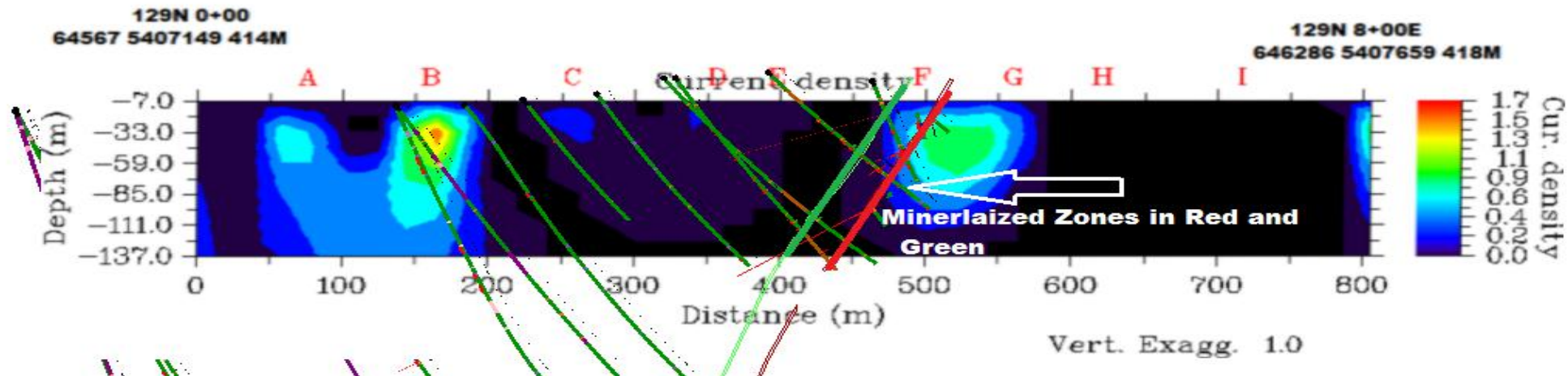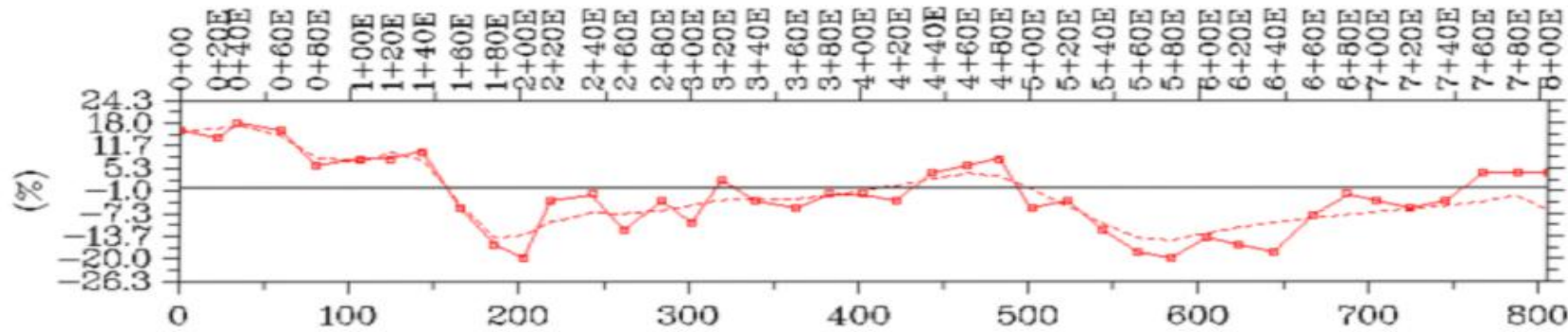
The Current Density Anomalies in Red and Green Show the _Plan View of the Gold Deposits at - 25 M and - 50 M Depth

Harte Gold Sugar Zone
TX NAA KH Slices
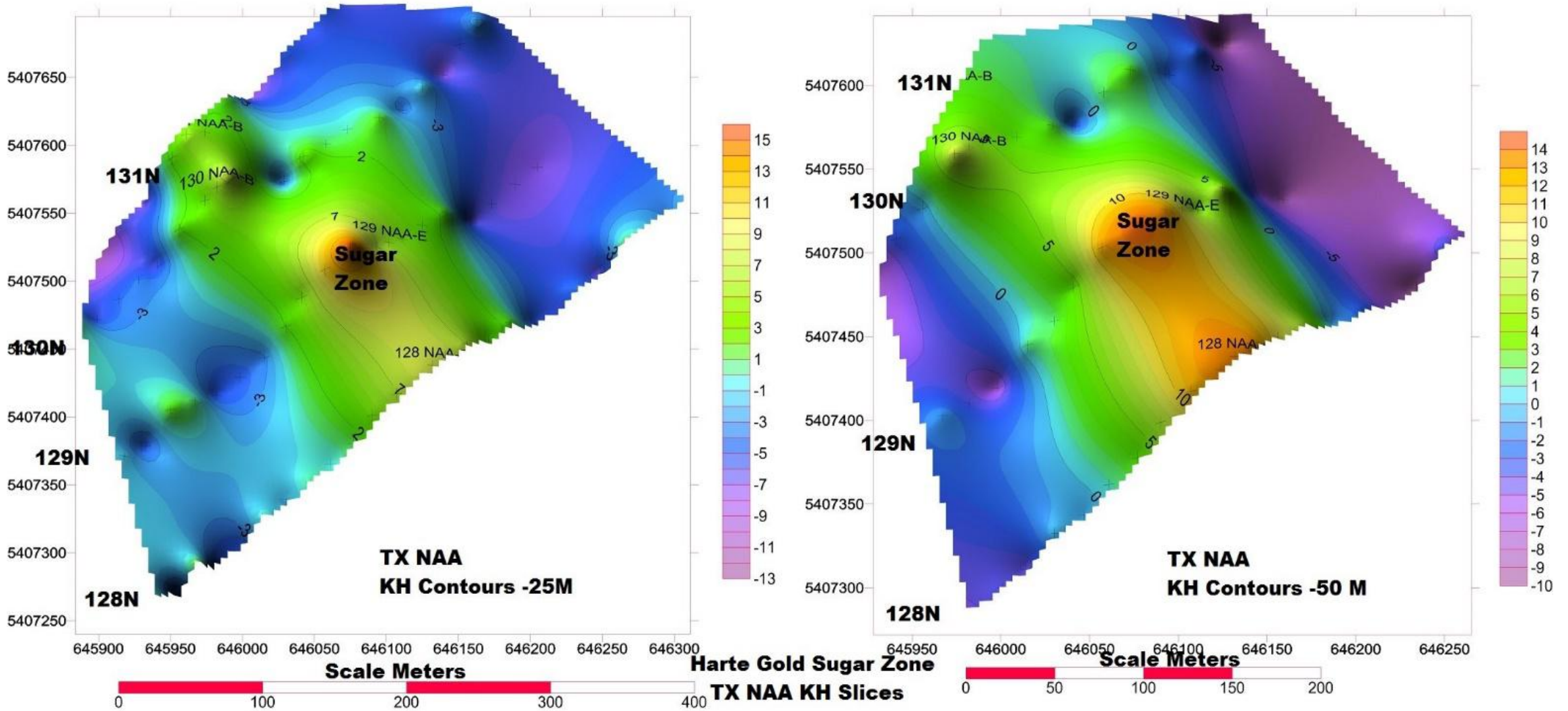
∨LF-EM Survey Grid at Linjpg and Unnamed Lakes, Fry-McVean Property. Yellow Lines are K-H Anomalies, Red & Mauve Squares are Gold Anomalies---Both are Co-incident

Example of K-H Current Density Anomalies 20 and 80 M Wide with Gold in Humus   Soil Anomalies at Linjog Lake, FryMcVean
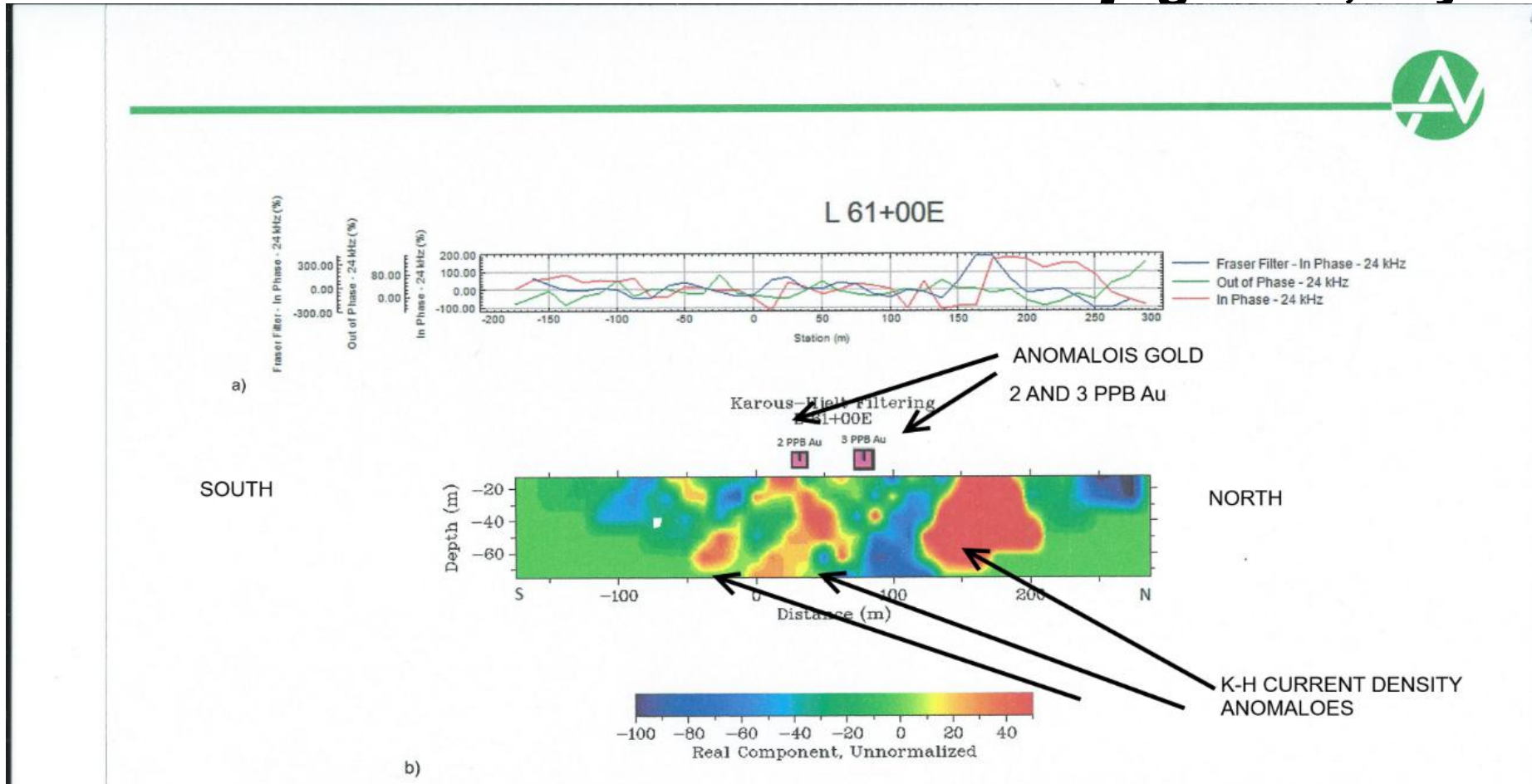

Figure 11. In-Phase, Out-of-Phase and Fraser Filter Profiles (a) Current density Pseudo-distributions obtained with Karous-Hjelt filter (b) – LinJog Lake – L 61+00E.

Another Discovery Example--Snip Mine Discovery

REFERENCE: GEM- The rebirth of KLF Geophysical Technology (Internet(The SNIP GOLD PROJECT, GOLDEN TRIANGLE. BC

Gols in Boulders on Snip Gold Property > 10 to > 100 g/t Au

Gold Targets Shown as Green to Red High Current Density in VLF-EM Depth Profile by Shaun Parent, Superior Exploration

courtesy press release Mar 2016, Snip Gold

Green to Red are Higher Coductivity (Current Density)

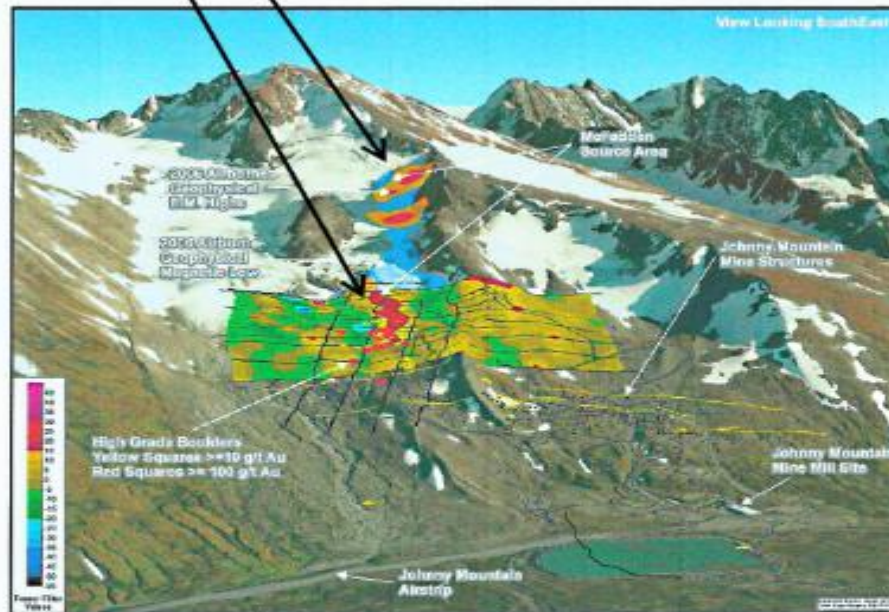VLF survey and Interpretation and Modeling using VLF2DMF carried out by Superior Exploration

Figure 4. Displays the results of the 2015 La Moure, North Dakota ("NML") EM survey. The anomalous readings display a linear conductor trending roughly at 120 Az. The red and magenta coloured response in the upper part of the colour rendered area indicates the area of strongest conductive response for this transmitter. This response is up-ice of the McFadden high-grade gold boulders. The figure also displays the grid lines used to complete the 2015 EM survey as bold black line traces, location of the high-grade McFadden boulders as red and yellow squares, surface traces of the Johnny Mountain Mine structures as yellow linear features, and the 2006 airborne EM anomalies as red and orange circles and the magnetic low as a blue shaded area outlined with a blue line.
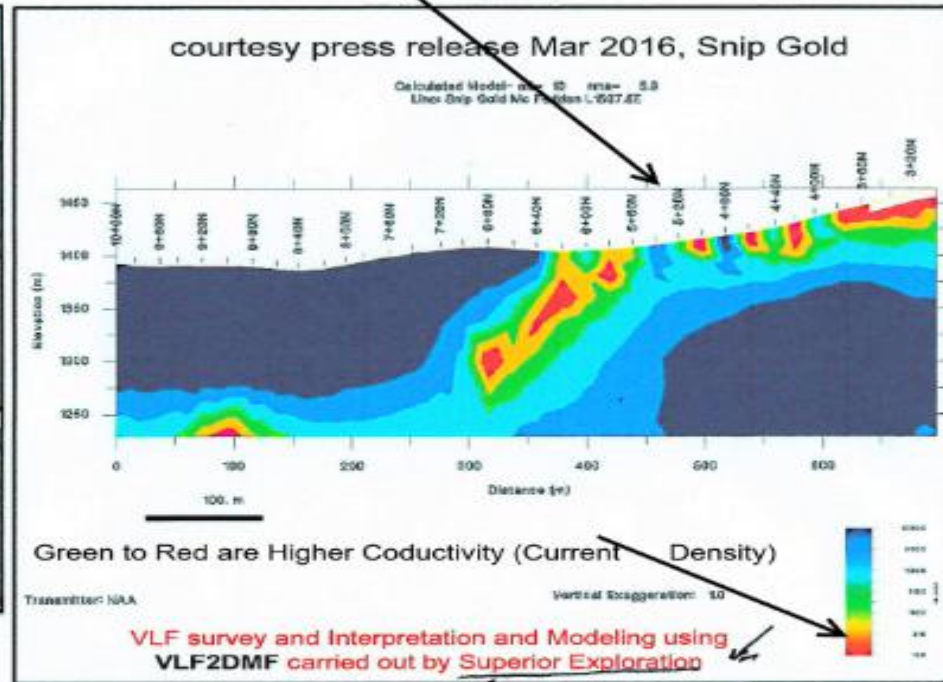
Figure 5. Displays the profile for the 2015 Cutler Maine (NAA) modeled data for section L1507.5E, the vertical cross section view looks easterly in an upslope direction. The surface trace of this profile is shown on figure 3. The areas noted from green to red show areas of higher conductivity and are interpreted to be the possible source for the high-grade boulders at McFadden. Au

SUPERIOR EXPLORATION

The Snip Mine Produced 1.1 Million Oz. Au at 27.5 g/t
The Gpld Ore Deposit id Shown in Yellow
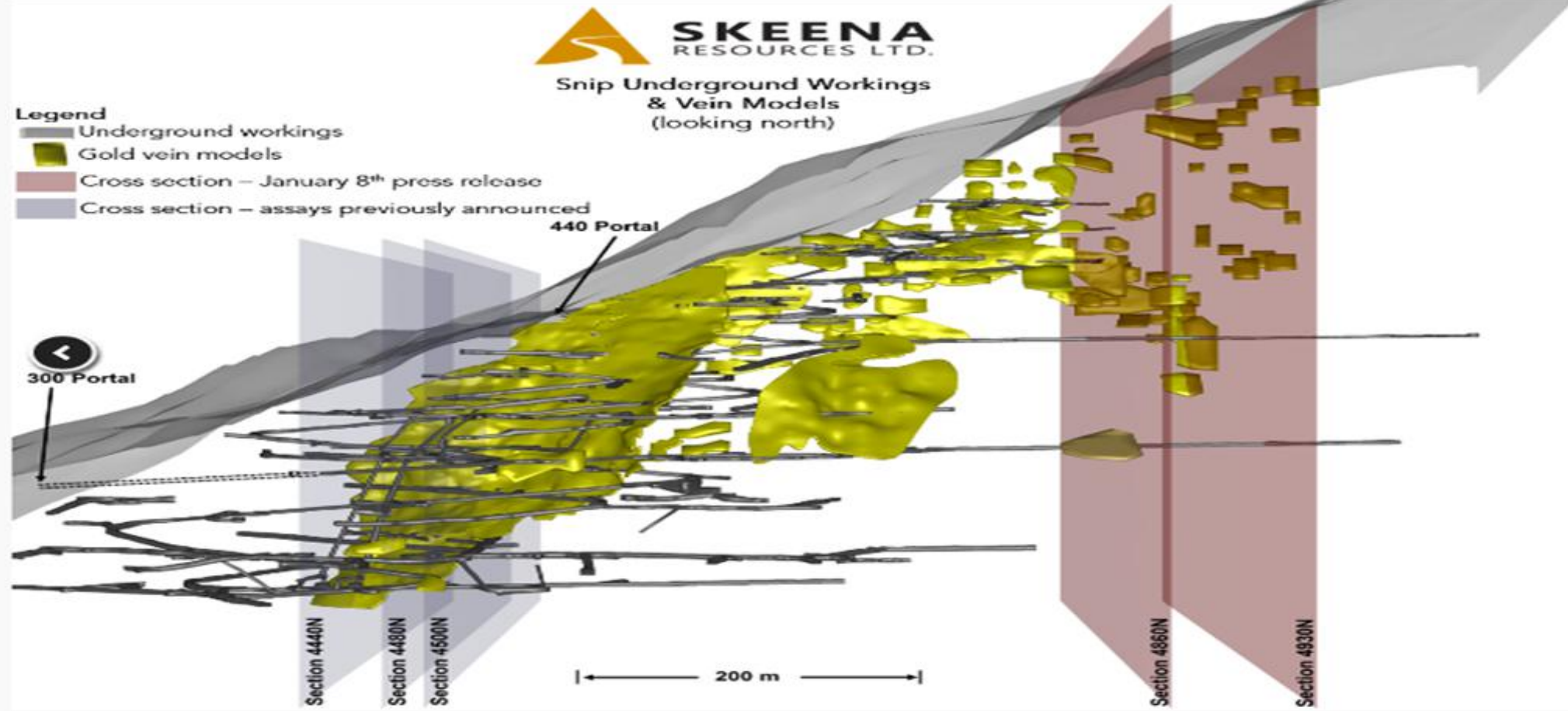
Snip Underground Workings & Vein Models

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