

## building shareholder value from knowledge and experience

# TECHNICAL PRESENTATION Regional Gold Metallogeny and Montclerg and Matheson JV Project Reviews

23 FEBRUARY, 2017

#### Cautionary Statement

This presentation contains forward-looking statements. All statements, other than of historical fact, that address activities, events or developments that International Explorers and Prospectors Inc. (IEP) believes, expects or anticipates will or may occur in the future (including, without limitation, statements regarding the estimation of mineral resources, exploration results, potential mineralization, potential mineral resources and mineral reserves) are forward-looking statements. Forward-looking statements are generally identifiable by use of the words "may", "will", "should", "continue", "expect", "anticipate", "estimate", "believe", "intend", "plan" or "project" or the negative of these words or other variations on these words or comparable terminology. Forwardlooking statements are subject to a number of risks and uncertainties, many of which are beyond **IEP**'s ability to control or predict, that may cause the actual results of the project to differ materially from those discussed in the forward-looking statements. Factors that could cause actual results or events to differ materially from current expectations include, among other things, without limitation, failure to establish estimated mineral resources\*, the possibility that future exploration results will not be consistent with IEP's expectations, changes in world gold markets and other risks disclosed to the Canadian provincial securities regulatory authorities. Any forwardlooking statement speaks only as of the date on which it is made and, except as may be required by applicable securities laws, **IEP** disclaims any intent or obligation to update any forward-looking statement.

\* Total Resources includes all categories of resources unless indicated otherwise.

All currency numbers are in \$Can unless otherwise stated.



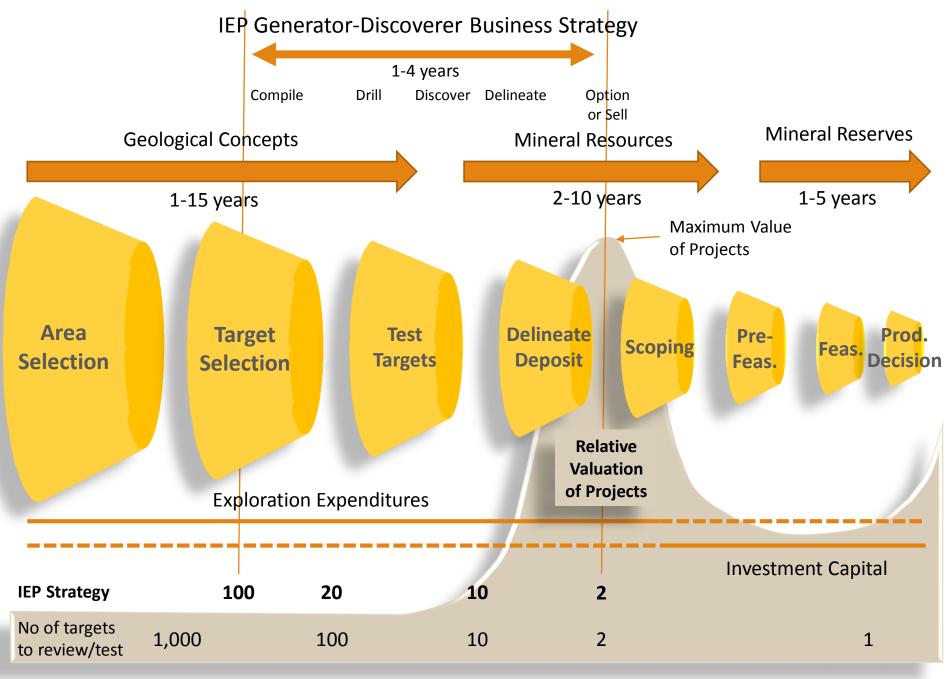
#### Management Team

- Lionel Bonhomme, Abitibi Prospector, President: Lionel who originated the property portfolio, remains a driving force in the company while leaving the day-to-day management to the technical team.
- Charles Beaudry, M.Sc., P.Geo., géo., V.P. Exploration: A seasoned geologist and executive with extensive experience in VMS and gold exploration environments in the Abitibi Belt. Charles brings to Gold Crossing considerable knowledge of VMS metallogeny developed during his long carreer with Noranda in Quebec and Junior Management skills.
- Peter Colbert, CFO: Peter draws on extensive experience in prospecting and contracting to provide the company with highly efficient financial accounting and administrative management.
- Matthew Johnston, B.Sc., Chief geophysicist: Matthew is an experienced geophysicist with long and varied experience working in the Abitibi on both airborne and ground geophysical survey interpretation.

#### High Quality Portfolio Near Infrastructure

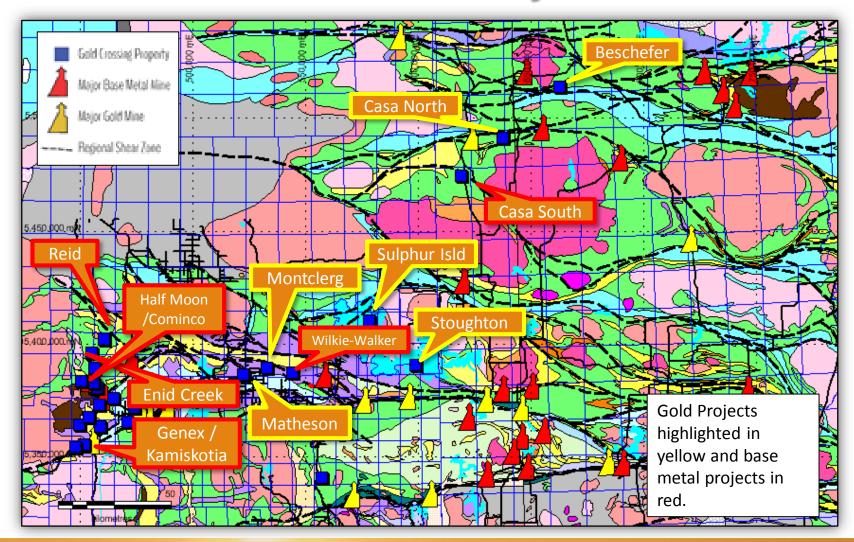
- Montclerg
  - Property of Merit
- Aconda Lake, Half-Moon Lake
  - Blake River aged, Kamiskotia VMS complex
  - Historic base metal resource
  - Massive sulfides in DDH
- Enid Creek
  - Historic Ni-Cu resource
- Quebec Properties: Beschefer, Casa-Berardi
  - VMS and Gold Potential; along strike to known deposits.
- Reid, Carscallen, Wilkie-Walker (some back-in rights on Reld and W-W only)
  - Kidd-Munroe aged and Kidd-type stratigraphy
- Royalty Properties
  - Currently paying modest revenue but set to increase substantially over next years
  - Could make company self-funding in near future

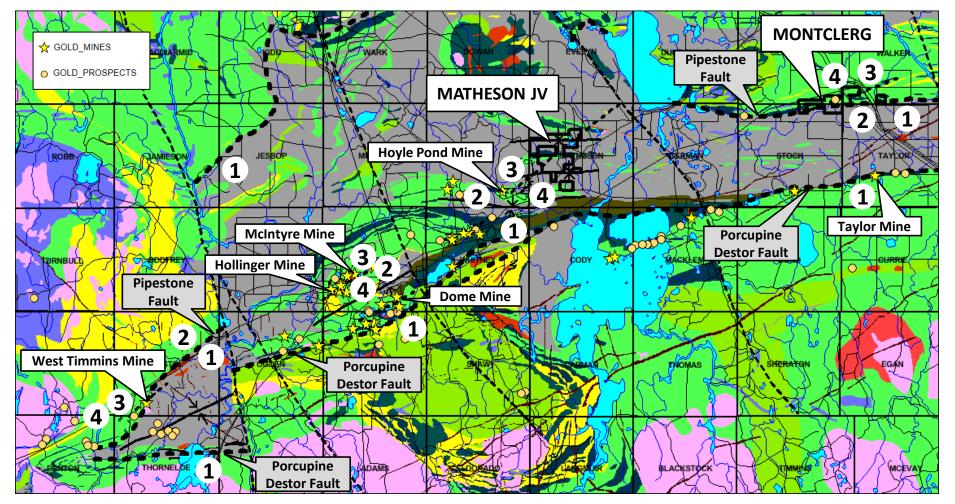




Focus on Abitibi Eliminates Area Selection Stage and Reduces Time to Discovery

#### Location of Projects

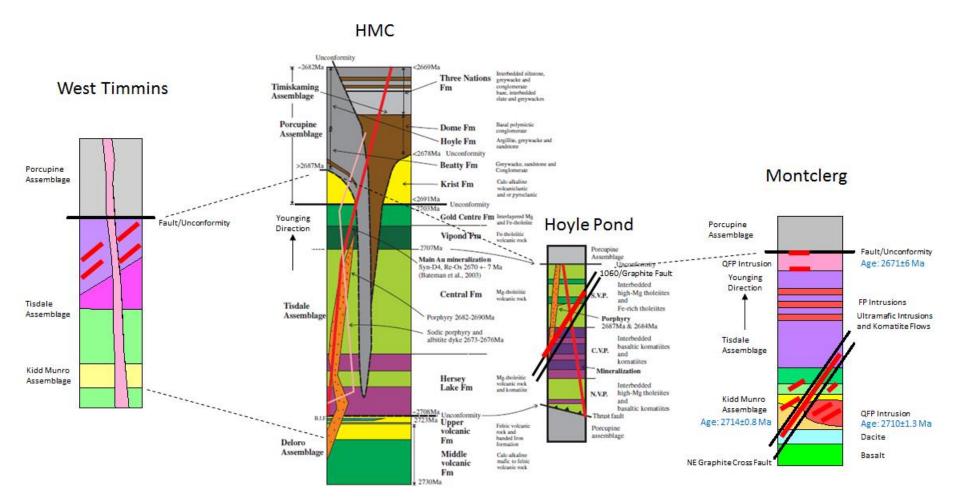




Major controls on gold in Timmins are

- (1) proximity to the Porcupine-Destor or Pipestone Faults;
- (2) north limb contact of major synclines within Porcupine Assemblage sedimentary basins with Tisdale Volcanics including a mixture of ulramafic and Fe-rich basalts;
- (3) NE striking low angle cross structures; and
- (4) Presence of QFP (2691-2687Ma) or FP (2680-2672Ma) porphyry intrusions

#### Comparison of Schematic Stratigraphic Columns from West Timmins to Montclerg Project Area

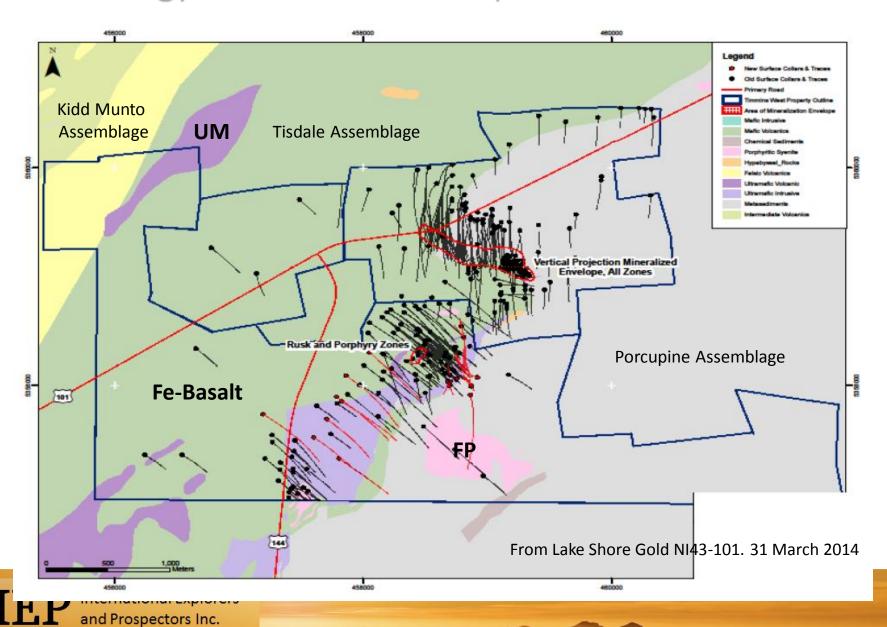




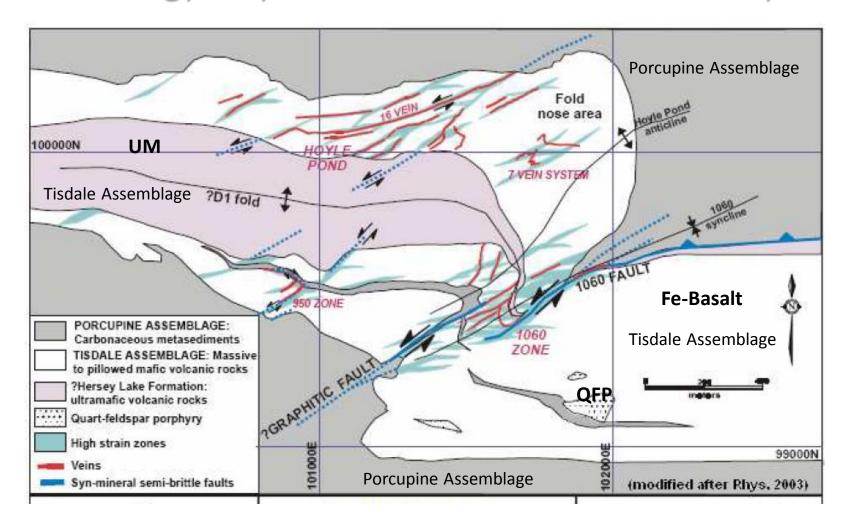
## Summary IEP Gold Exploration In Timmins

- Regional mapping and geochron work clearly place the West Timmins deposit on the Pipestone fault system at the north contact of the Porcupine Assemblage. This interpretation evidently upgrades the gold exploration potential of the whole Pipestone fault system, including the Montclerg Property.
- Our efforts are focused primarily along the Pipestone fault and its splays, particularly where they intersect iron-rich basalts of the Tisdale Assemblage in the presence of porphyry intrusions.
- At the property-scale we look for demagnetization of the rocks and obvious structures (NE in particular) that cut across the main trend of the Pipestone or PD faults.
- •The Matheson JV is located on the northeast extension of the 1060 Fault first observed on the Anglo-Colbert claim and validated by Goldcorp on the east extension of the Hoyle Pond mine.
- The 1060 Fault system is interpreted as a major transfer fault linking the Porcupine Destor fault in the south to the Pipestone fault in the north.
- This major structure traverses the Matheson JV.

#### Geology West Timmins Deposit

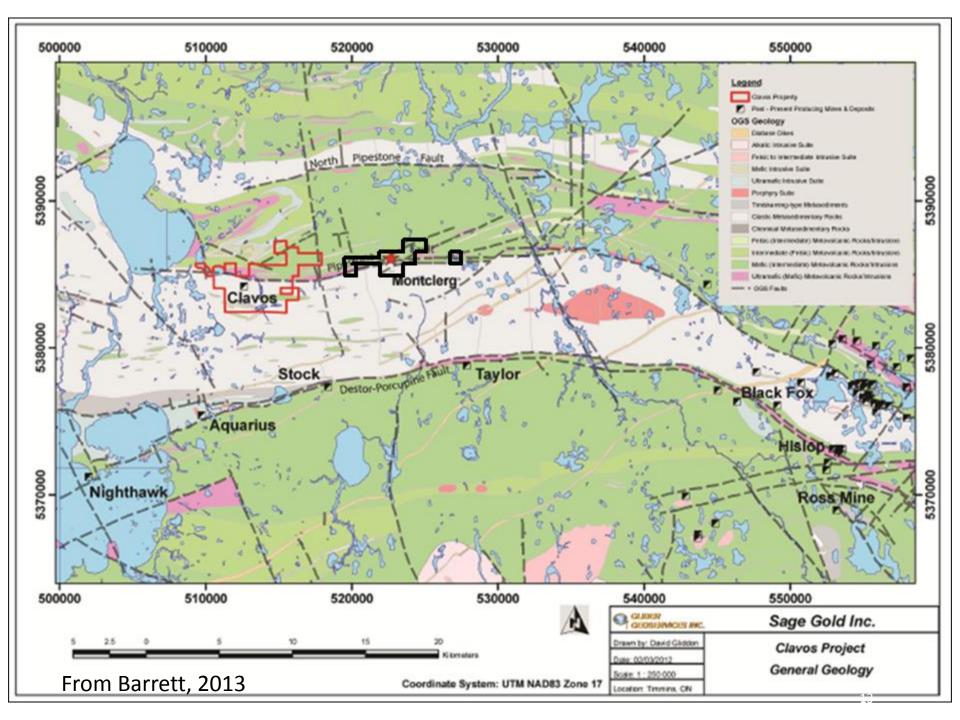


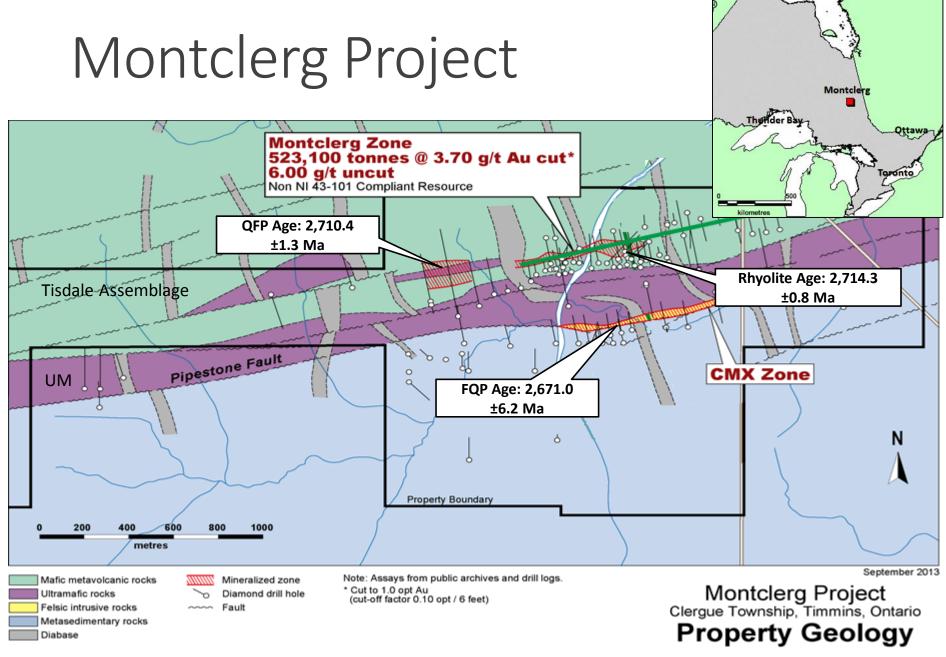
#### Geology Hoyle Pond – 1060 Fault Discovery



#### Montclerg Project (Au) – Highlights

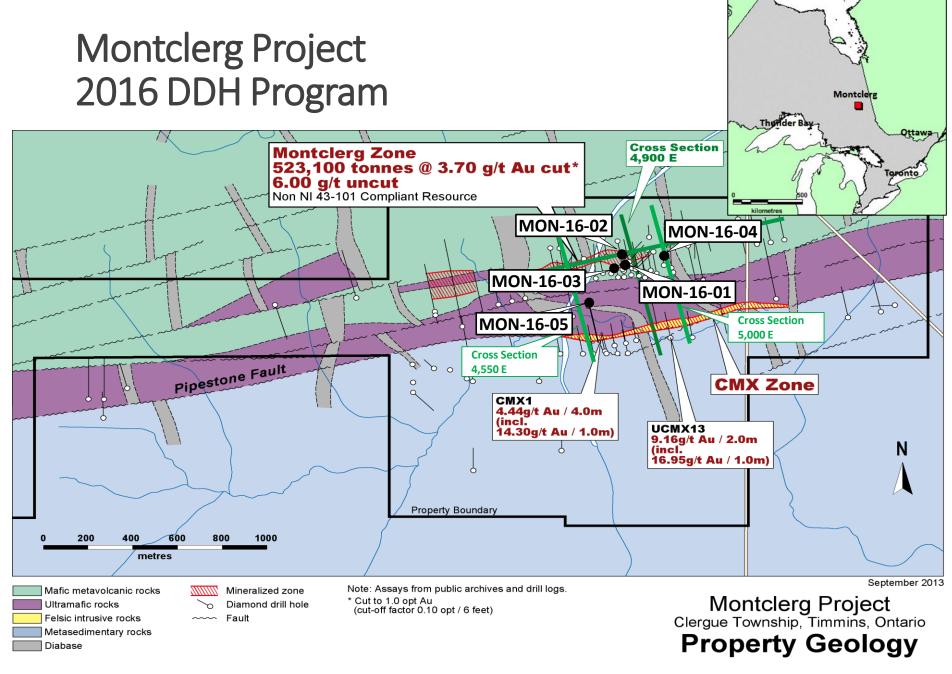
- •100% IEP; 1% NSR.
- \$300,000 spent on property in past year.
- Potential to delineate open-pitable resource and high grade deposit at depth.
- Historic Resource of 523,100 tonnes @ 3.70 g/t Au (cut to 31 g/t Au) for about 62,144 ounces (Baynes).
- In addition to the Montclerg deposit, gold mineralization is outlined on the Canamax Zone along Pipestone Fault and at depth on the Montclerg zone in the Fe-Ti Basalts.
- Mineralized zones open at depth and along strike.
- Independent NI43-101 Technical Report dated November 2013.
- Montclerg located circa 5km east of the Clavos deposit along the same regional structure (Pipestone fault) (1,258K indicated tonnes @ 4.81 g/t Au (194K oz Au).
- •5-hole, 1,907 m diamond drilling in December 2016 confirmed low grade open pit potential over strike length of >500m and high grade zones at depth.
- Delineation drilling required to outline NI43-101 compliant open pit resource.
- More drilling required to expand high grade mineralization at depth.



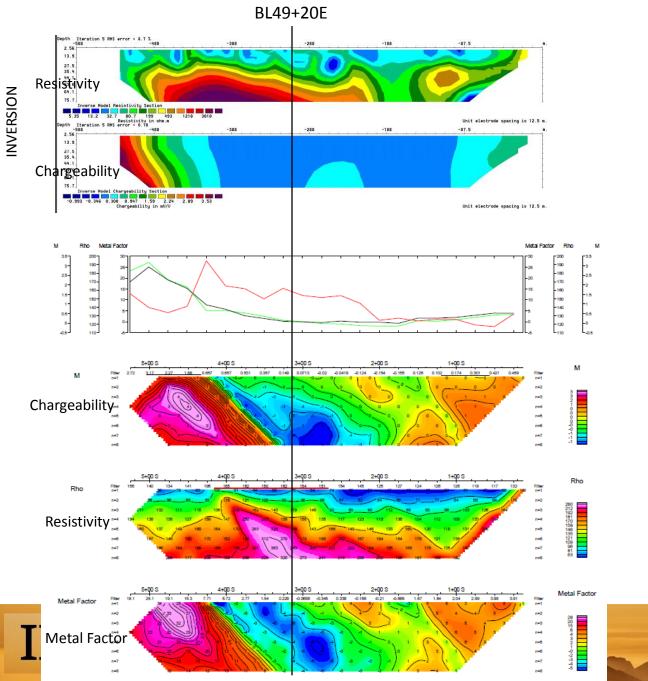


Geology from Barrett, 2008; modified from Pentland-Firth 1999

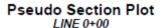
See Note on last page concerning Historical and Non-Compliant Resources

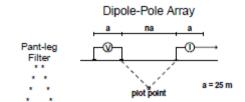


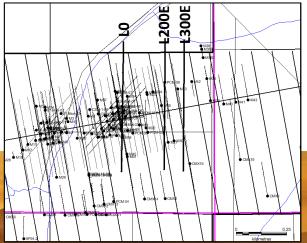
See Note on last page concerning Historical and Non-Compliant Resources



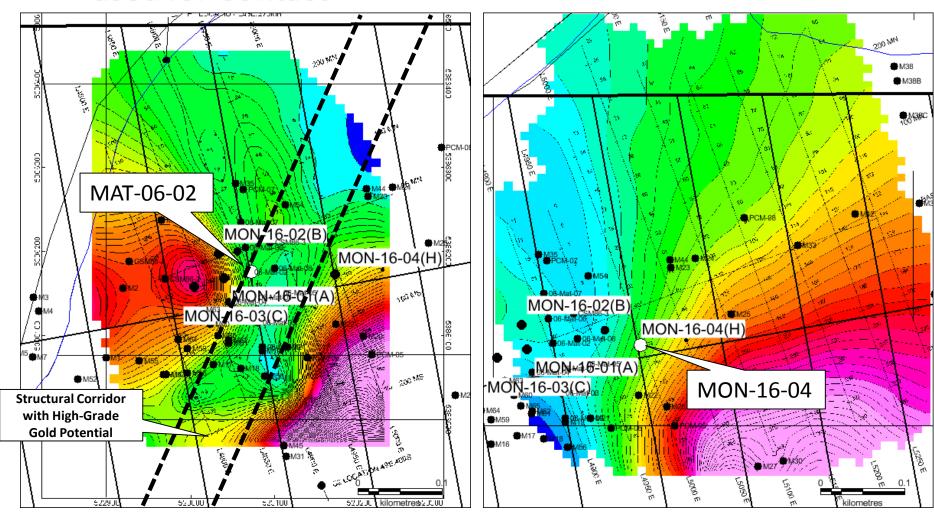
#### North-South IP Profile L0 (crosses BL at 49+20E)



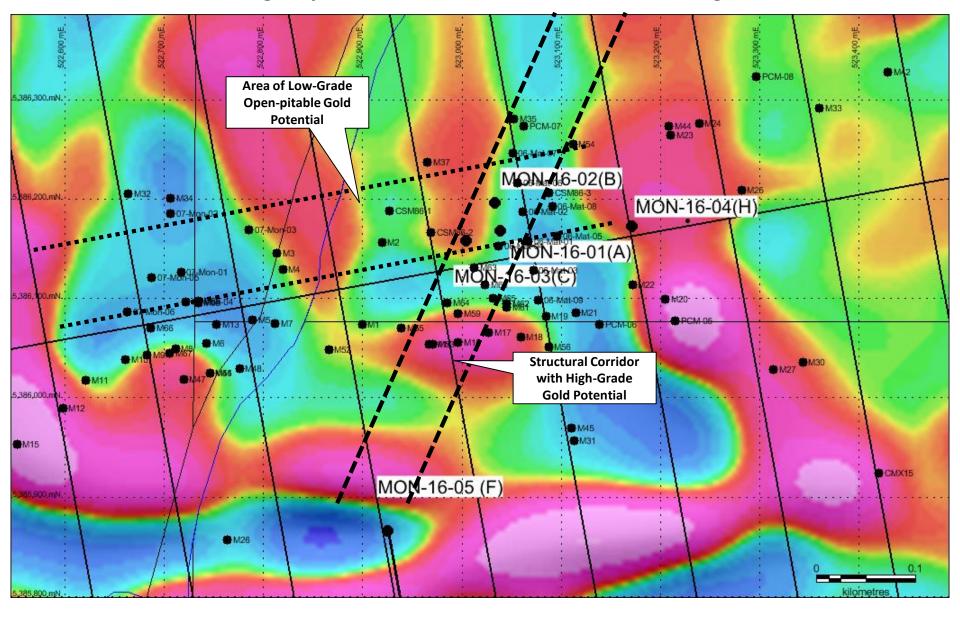


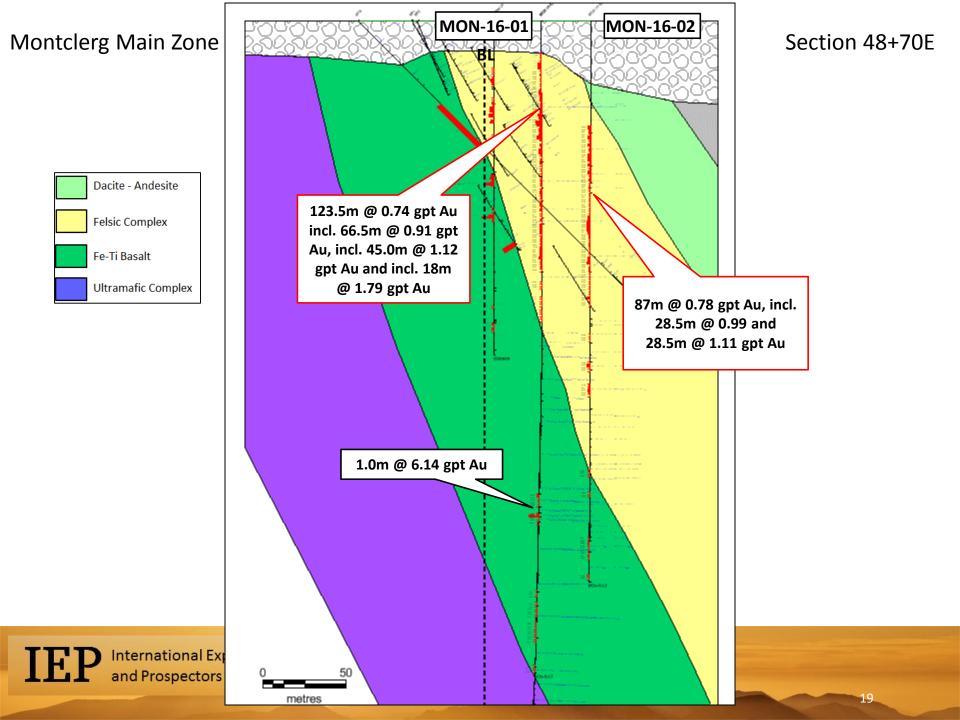


## Mise a la Masse, Surface Survey with Collar of Holes used for Contact

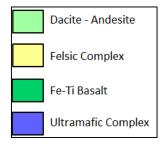


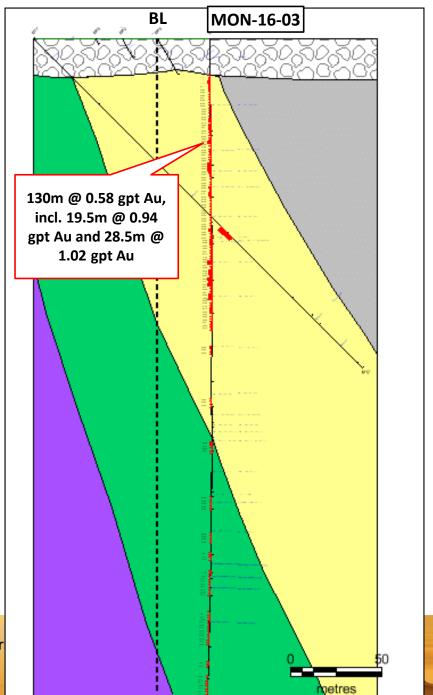
#### Montclerg Project – 2<sup>nd</sup> Vertical Derivative Airborne Magnetics



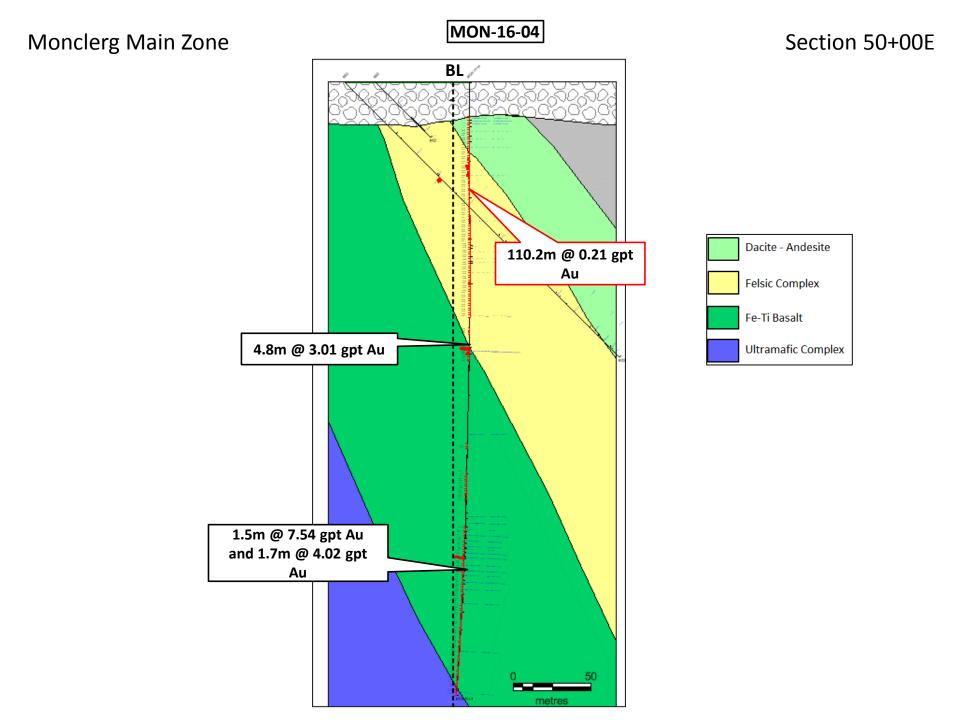


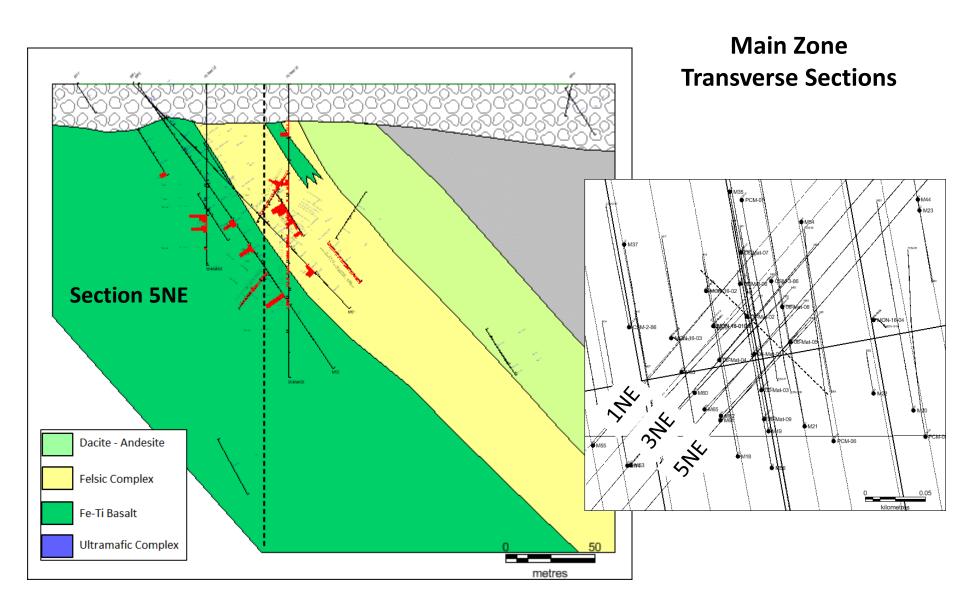
Montclerg Main Zone



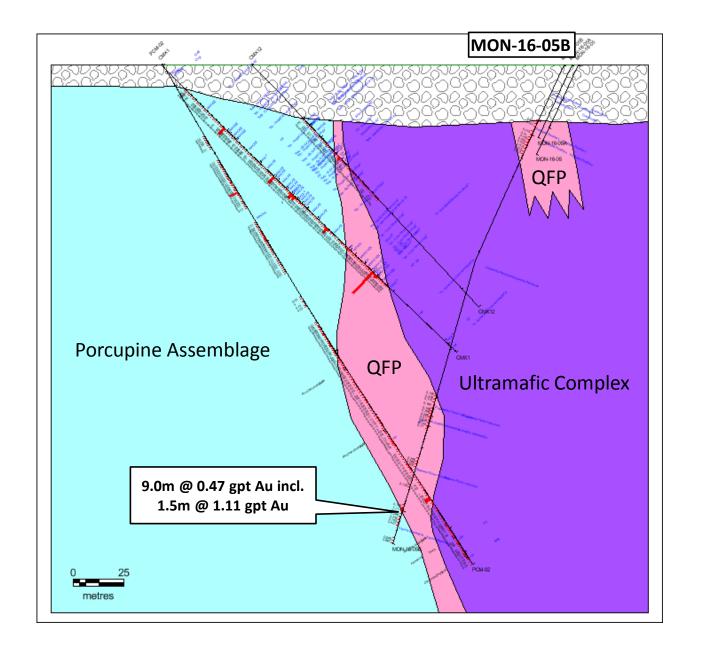


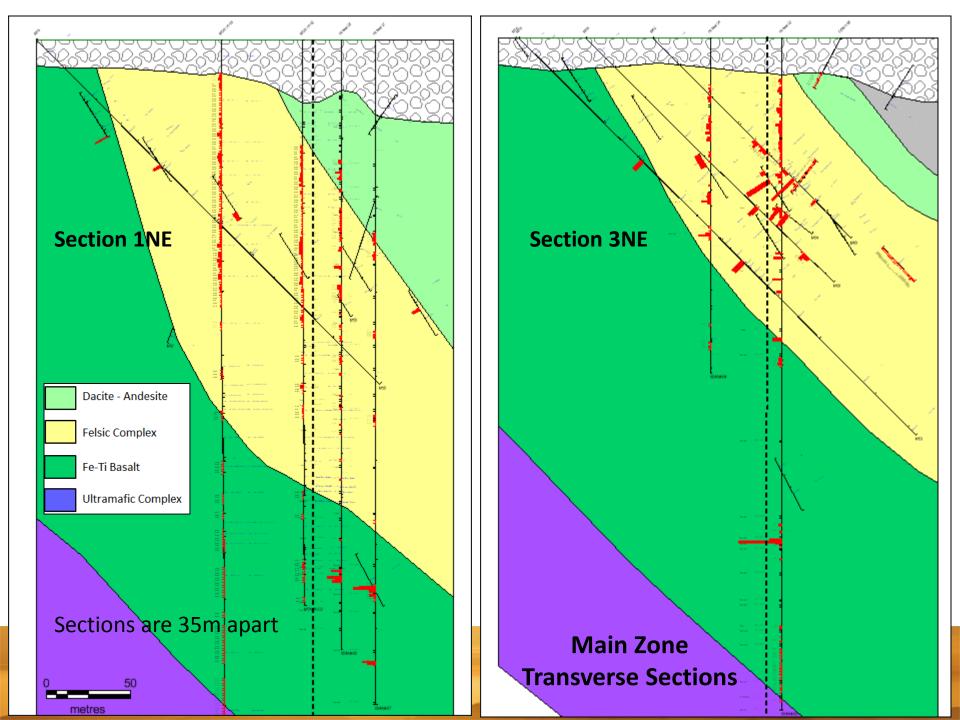
Section 48+40E

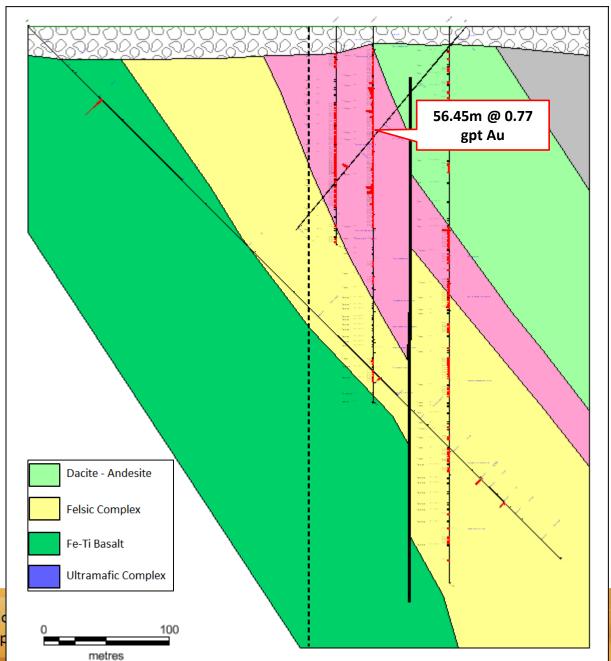




Canamax Zone Section 47+00E

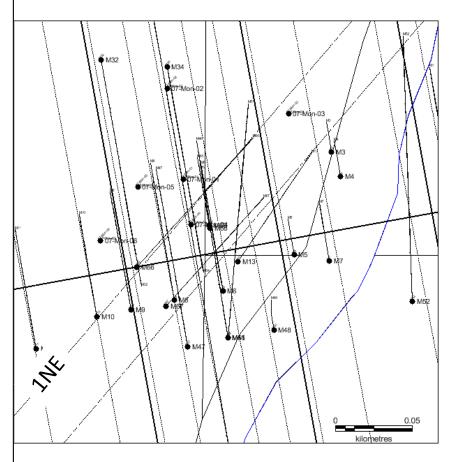






## Dacite - Andesite Felsic Complex Fe-Ti Basalt Ultramafic Complex

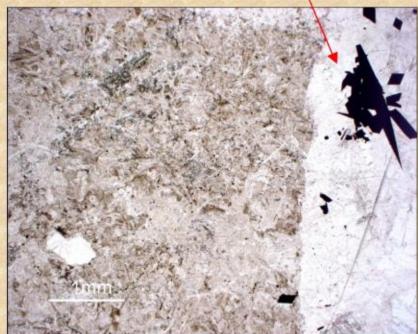
#### West Zone Transverse Section



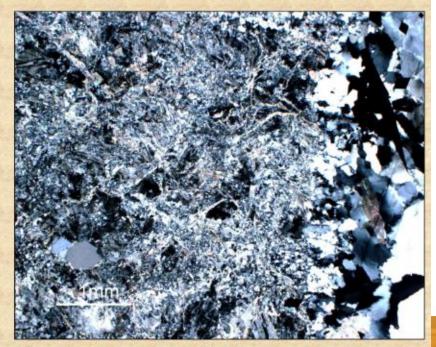
#### Petrography of Felsic Complex Alteration



**06-MON-01, 53.1m** Rhyolite A at 46.7 & 60.6m



Hand specimen shows vague "clotty" texture in rhyolite. Alteration is sericite+ f.g. quartz. Vein consists of quartz + minor carbonate with Asp crystals. Assay at 51.00-54.06m: 3.06m at 1.40 g/t Au. Plane light. Scale bar = 1 mm.



Same view in crossed polars. Scale bar = 1 mm.

From Barrett, 2008

#### Petrography of Grey Zone Alteration

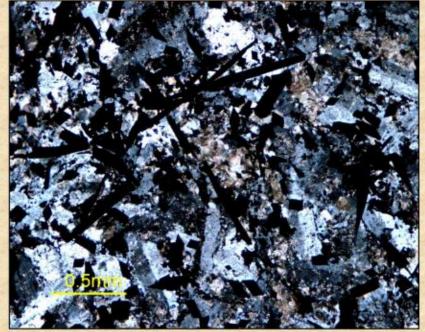


06-MON-02, 301.6m

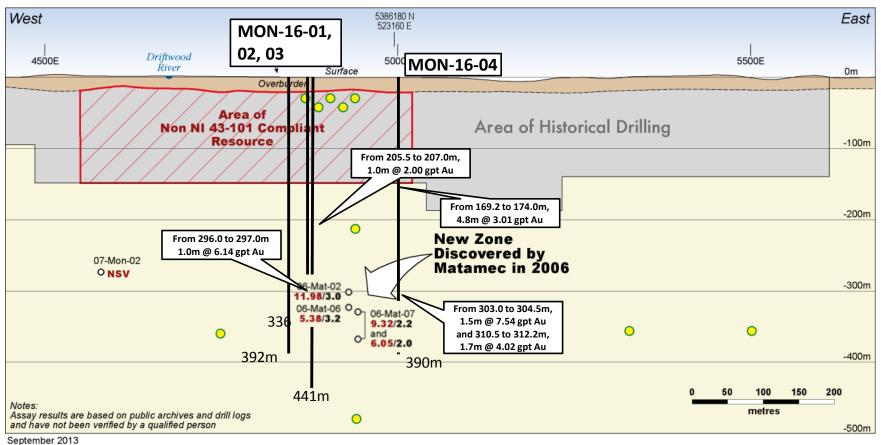
FeTi basalt A at 301.5m 30.6 ppm Au in litho sample



Asp-rich portion of drill core at about 301.6m. Assay at 299.00-302.00m: 3.00m at 11.98 g/t Au. From Barrett, 2008



Detail, crossed polars. Note generally good preservation of Plag, with only small patches of alteration Carb. Opaques are Asp (needles) and Ti oxides (irregular small patches). Scale bar = 0.5 mm.



Historic drill hole pierce point

06-Mat-02 Hole number

11.98/3.0 grams per tonne Gold / drilled width (metres)

Proposed drill hole

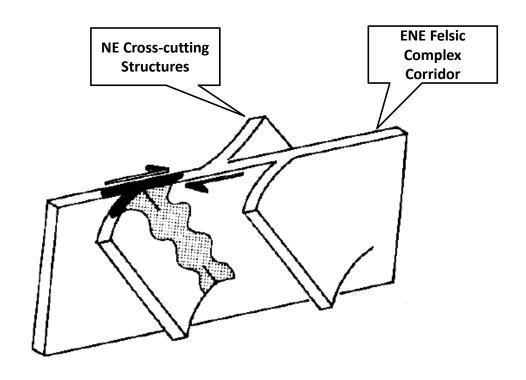
Montclerg Project
Clergue Township, Timmins, Ontario

Vertical Longitudinal Section Montclerg Deposit

Looking N10°W

#### General Model at Montclerg

- Our current working model for the mineralization at Montclerg has brittle deformation occurring within the felsic complex parallel to and adjacent to the ultramafic complex.
- Gold in the felsic complex is a function of degree of fracturing and sericite Fe-carbonate sericite alteration.
- Grey Zone alteration (graphite and muscovite) often accompanied by gold is restricted to the Fe-Ti basalts to south of felsic complex. There may be a relationship of these veins with splay structures off the Pipestone fault.



From Colvine et al., 1988

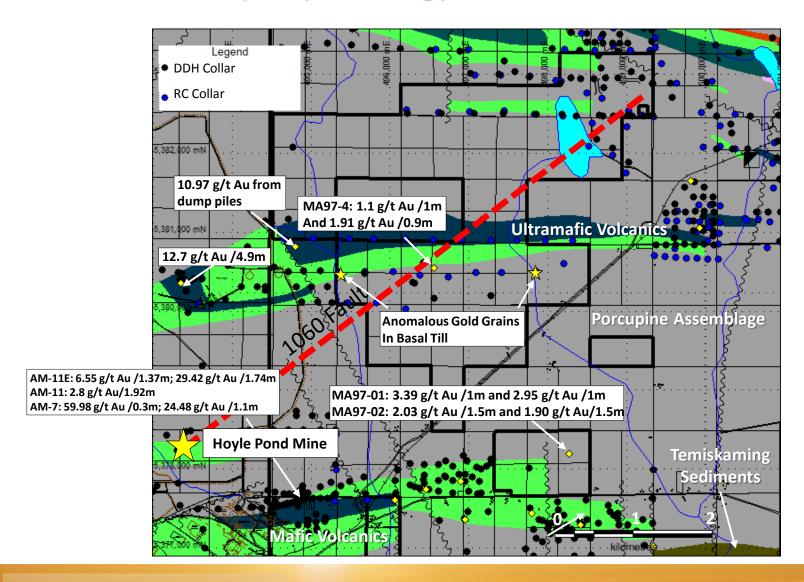
#### Summary Montclerg

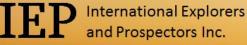
- Project has been drill tested by numerous companies in the past and a historic resource was delineated in the mid-80's. The property is host to low-grade openpitable gold in felsic volcanic rocks in the near surface environment that extends for several hundred metres along strike and is over 100m in width. Continuous sampling from bedrock to 150m shows good continuity and average grades in the 0.6 to 0.8 gpt Au over intervals greater than 100 metres with intervals up to 40 metres greater than 1.0 g/t Au. Mineralization continues at depth along the 70 degree north dip of the felsic volcanic unit.
- Property also is host to high grade gold intersections in the adjacent mafic volcanic rocks to the south sandwiched between the felsic volcanics and the ultramafic structural unit. Here the better gold intersections appear to coincide with a northeast trending cross-cutting structural corridor.
- More drilling is required to delineate an open-pitable resource and selected drill testing of the high grade veins in the mafic volcanic unit along the NE structural corridor.

#### Matheson Property (50% IEP)

- Property composed of claims (27 units) and patents/leases (83 units).
- Property is a 50/50 JV with Matamec Exploration Inc. subject to 1.5% NSR to IEP and 1.5% NSR to Bonhomme families
- Located in Porcupine Assemblage north of Temiskaming sediments and with inliers of Tisdale volcanics including ultramafic volcanics.
- Along strike to east of Goldcorp's Hoyle pond mine and on the direct extension of the 1060 Fault Zone, the key structural feature at Hoyle Pond. Hoyle Pond represents 15% of the tonnes mines by Goldcorp in Timmins and 75% of the ounces.
- Proposal to buy-back Matamec 50% share of project for \$2M cash and 1% NSR.

#### Matheson Property: Geology and Gold Intersection Highlights

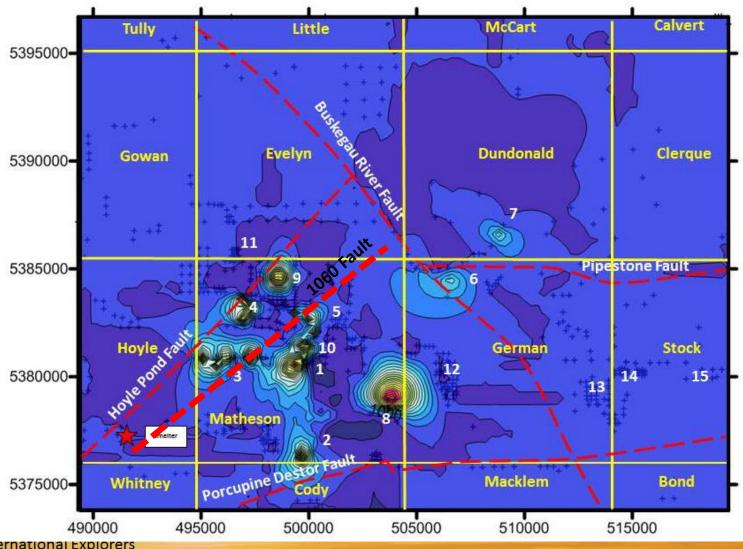




#### Gold in Tills



#### Gridded Gold in Till and Van Hees Targets



### Gridded Bedrock Topography And Van Hees Targets

Tully
Little
McCat
Calvert

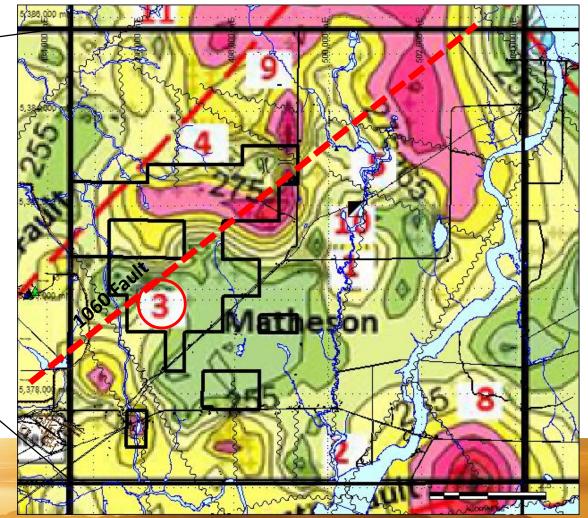
Sevelyn

Se

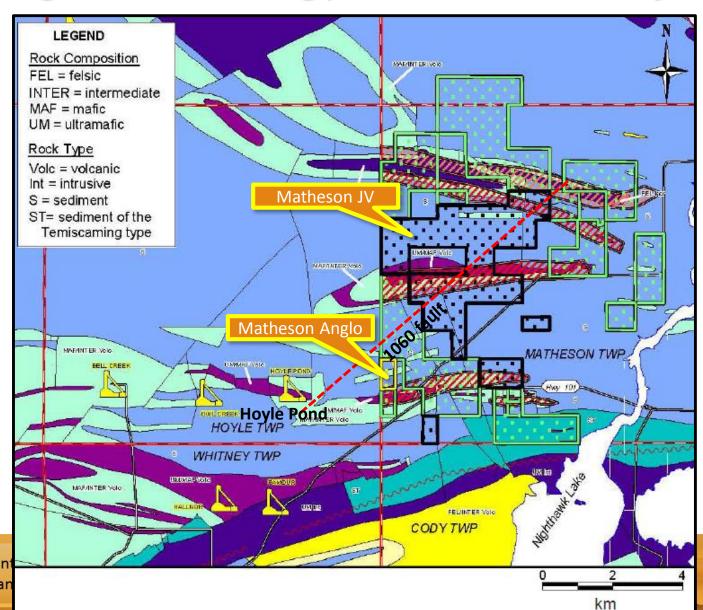
Van Hees, 2015-16 MNDM Recommendations for Exploration

**IEP** International Explorers and Prospectors Inc.

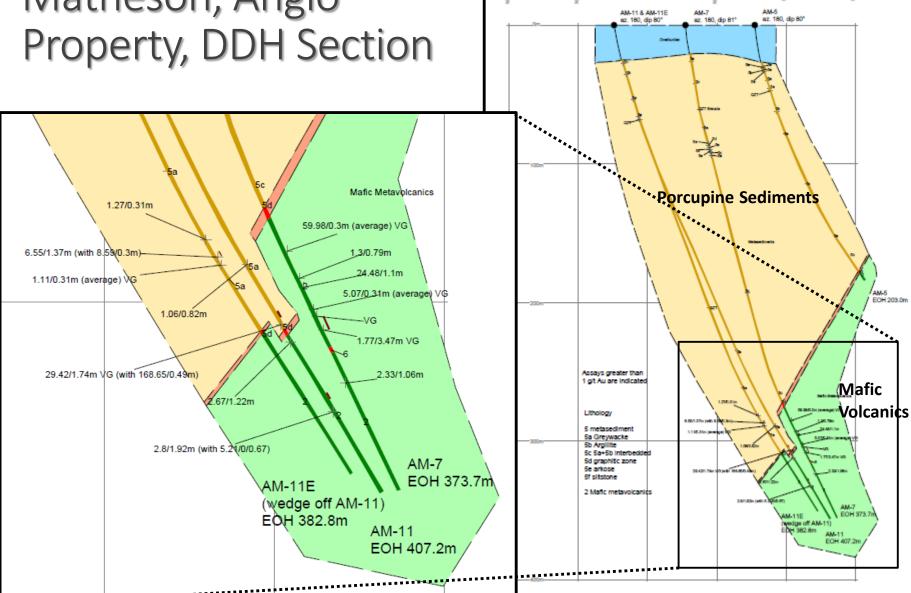
Heavy mineral separates prepared from overburden samples recovered from the BHP overburden anomalies contained 897 gold grains of which 793 occurred in the West anomaly and 104 in the East anomaly (see locations 3 and 8). The gold grains are predominantly reshaped (56%) or modified (32%), and are accompanied by pyrite and cobaltite 92% and 50% of the time, respectively. Of the gold grains recovered from drill-hole MA-96-2 at the east end of the BHP West anomaly, 96% are pristine (MacNeil and Averill 1996).



#### Regional Geology, Matheson Project



## Matheson, Anglo



#### Summary Matheson JV

- Property located along prolific HMC-Hoyle Pond gold belt.
- Historical exploration shows that the area is marked by many gold targets that been poorly tested or not tested at all.
- Whole sector is clay covered and few outcrops are exposed on surface. However a road go through the township and access is easy for winter drilling.
- The area will require a significant sustained multi-year investment to properly prioritize and test the existing gold targets.
- The minimum threshold economic deposit in the area is very modest and experience shows that gold mineralized systems in the district tend to improve with depth; the key is defining enough ounces per vertical metre to justify underground development, necessary to delineate measured resources and proven reserves.

## Cautionary Statement Regarding Historical Resources

The reader is cautioned that neither IEP has undertaken any independent investigation of the dimensions, quantity or grade of the gold mineralization referred to above, therefore this historical data should not be relied upon. At best IEP view this historical data as a conceptual indication of the potential size and grade of the gold deposits in the area, and this data is relevant to ongoing exploration efforts. In view of when the resources were estimated and the differences in metal price and operating costs prevailing at the time compared to today, IEP warns that these resources cannot be relied upon except as an indication of the presence of significant mineralization on the property. IEP does not consider the resource to be compliant with respect to requirements of NI43-101. IEP does not treat any of the historical resources as Current mineral resources or mineral reserves.