MPH Ventures Corp. (MPS: TSX.V)

Advancing Molybdenum, Graphite and Gold Projects in Canada

December 2014
FORWARD LOOKING STATEMENTS

Some of the statements in this document may be deemed to be "forward-looking statements". All statements on in this document, other than statements of historical facts, that address events or developments that management of the Company expects, are forward-looking statements. Although management believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance, and actual results or developments may differ materially from those in the forward-looking statements. The Company undertakes no obligation to update these forward-looking statements if management's beliefs, estimates or opinions, or other factors, should change. Factors that could cause actual results to differ materially from those in forward-looking statements, include market prices, exploration and development successes, continued availability of capital and financing, and general economic, market or business conditions. Please see the public filings of the Company at www.sedar.com for further information.
INVESTMENT HIGHLIGHTS

- Current projects are all centrally located in mineral rich Northern Ontario.

- Completed an updated NI 43-101 resource calculation on The Pidgeon Molybdenum Deposit.

- MPH Ventures acquired a 100-per-cent interest in the North Albany Graphite property consisting of 16 mineral claims covering approximately 256 hectares located within the Porcupine district of Northern Ontario, contiguous to Zenyatta Ventures Ltd.'s (TSX-V: ZEN) property and 7 kilometres North of their Albany (vein type) graphite deposit discovery.

- Initial drill results on the Raney Gold Project include 3.91 g/t Au over 17.2 metres in hole R-08-04 and 6.52 g/t Au over 8.0 metres in hole R-09-08.
MARKET HIGHLIGHTS

TSX Venture Stock Exchange: MPS
US OTC Grey: MPSFF
Frankfurt Stock Exchange: IJA1

Shares Outstanding: 14.0 million
Fully Diluted: 20.2 million
Debt: Nil
Market Cap.: $1.0 million
MANAGEMENT

- **James G. Pettit: President and Director**
  - Jim Pettit is President and Director of MPH Ventures Corp. Mr. Pettit is currently serving as a Director on the Boards of 6 public resource companies and offers over 20 years of experience within the industry specializing in finance, corporate governance, management, and compliance. He specializes in the early stage development of private, as well as public companies. His background over the past 20 plus years has been focused primarily within the resource sector where he has managed and directed junior resource companies through good times and bad.

- **Don C. Huston: Director**
  - Don Huston is a Director of MPH Ventures Corp. He has been associated with the mineral exploration industry for over 30 years and has extensive experience as a financier and in-field manager of numerous mineral exploration projects in North America. He was born and raised in Red Lake, Ontario and spent 15 years as a geophysical contractor with C.D. Huston & Sons Ltd. as mineral exploration consultants in northern Ontario, Manitoba, and Saskatchewan. Mr. Huston serves as a Director of 5 Canadian public resource companies.

- **Robert Marvin, P.Geo., C.P.G.: Exploration Manager**
  - Bob Marvin, P.Geo, CPG. Senior Project Geologist is a Qualified Person as defined by National Instrument 43-101. He brings to MPH a strong history in project exploration and development, throughout the Americas. He has been involved in mineral exploration for and evaluation of gold, copper, zinc, and uranium deposits both along the entire Cordillera and in several areas of the Archean shield as an employee and as an independent consultant since 1979. Bob graduated from the University of New Mexico with a Bachelor of Science degree in geology in 1984.
PIDGEON MOLYBDENUM PROJECT, ONTARIO

Pidgeon Molybdenum Property General Location Map
MPH Ventures owns 100% of Pidgeon Molybdenum Mining Ltd (PMML) and PMML owns 100% of the Pidgeon Molybdenum Deposit.

The project has excellent potential with strengthening moly prices.

The 3,420 acre Pidgeon Molybdenum Deposit was initially developed by Rio Algom (now BHP Billiton).

Located in the District of Kenora in northwestern Ontario with year-round access.
PIDGEON MOLYBDENUM PROJECT, ONTARIO
The Pidgeon Molybdenum Deposit has many characteristics of a porphyry-molybdenum-stockwork style deposit.

This type of deposit often has multiple mineralized shells as is the case with the Climax deposits in Colorado.

MPH has recently completed an updated 43-101 resource estimate for the deposit.

Indicated resource of 2.7 million tonnes of 0.117% Mo using a cutoff grade of 0.04% Mo and an inferred resource of 12.4 million tonnes of 0.083% Mo with a cutoff grade of 0.04% Mo.
PIDGEON MOLYBDENUM PROJECT, ONTARIO

Pidgeon Molybdenum Deposit Rock Sample
NORTH ALBANY GRAPHITE PROJECT, ONTARIO

- MPH Ventures has acquired a 100-per-cent interest in the North Albany Graphite property consisting of 16 mineral claims covering approximately 256 hectares located within the Porcupine district of Northern Ontario, contiguous to Zenyatta Ventures Ltd.'s (TSX-V: ZEN) property and 7 kilometres North of their Albany (vein type) graphite deposit discovery.

- Zenyatta Ventures announced intervals of 146 metres of 5.2 per cent graphite, 177 metres of 5.3 per cent graphite, 186 metres of 4.9 per cent graphite and 125 metres of 4.6 per cent graphite.

- Zenyatta is developing a rare hydrothermal or 'veintype' graphite deposit. It is the largest and only known graphite deposit of this type under development in the world.

- Hydrothermal graphite is the purest graphite and commands a higher price than flake or amorphous.
NORTH ALBANY GRAPHITE PROJECT, ONTARIO

- The developing occurrence at Zenyatta's Albany Deposit is contained within two robust vertical breccia pipes, which is highly encouraging for the regional exploration potential as breccia pipes of the scale being explored by Zenyatta commonly occur as clusters, within the prospective area.

- Lack of abundant outcrop in the region is likely to contribute to increased exploration potential for similar occurrences by using various airborne geophysical methods including magnetics and EM.

- MPH has a magnetic depression (low) ground similar to the magnetic depression identified on Zenyatta's ground.

- Uses today for graphite include electric cars, tablets and smart phones, among others. Global demand for high purity graphite is growing.
December 2013, Zenyatta announced the results of its initial National Instrument ("NI") 43-101 compliant resource estimate prepared by Roscoe Postle Associates Inc. ("RPA"). RPA estimates Indicated Mineral Resources delineated to date total 25.1 million tonnes ("Mt") at an average grade of 3.89% graphitic carbon ("Cg"), containing 977,000 tonnes of Cg. In addition, Inferred Mineral Resources delineated to date are estimated to total 20.1 million tonnes at an average grade of 2.20% Cg, containing 441,000 tonnes of Cg.

Mineral Resources are contained within two vertical pipes spaced approximately 250 m apart. The East Pipe is approximately 300 m long in the NW-SE direction by 50 m wide by 600 m deep, where it remains open. An overprint of lower grade mineralization occurs around the East Pipe for a collective width of 150 m in the NE-SW direction. The West Pipe is approximately 300 m long in the NE-SW direction by 175 m wide by 500 m deep, where it also remains open. Both pipes are cut by 10 m to 60 m thick barren sills located approximately 200 m to 300 m below surface.
NORTH ALBANY GRAPHITE PROJECT, ONTARIO

MPH Ventures North Albany Graphite Project
GRAPHITE - NATURAL & SYNTHETIC

- Synthetic
  - 1.5 Mt / yr
  - ~$8,500 / t

- Natural
  - 1.0 Mt / yr
  - ~$1,500 / t

- Hydrothermal (Vein)
  - highest price

- Flake
  - medium price

- Amorphous
  - lowest price
GRAPHITE DEMAND (NATURAL & SYNTHETIC)

Demand Estimate – Annual Tonnes of Graphite
THE RANEY GOLD PROJECT, TIMMINS, ONTARIO

- Located 110 km SW of Timmins
- 100% owned and covering over 3500 acres
- Easily accessible by highway and all season logging roads
THE RANEY GOLD PROJECT, TIMMINS, ONTARIO

- 14 holes have been drilled on the property – 5 by past producers and 9 by MPH
- Intersections include 3.9 g/t Au over 17.2m including 7.7 g/t Au over 6.8m in hole R-08-04, 6.5 g/t Au over 8.0m in hole R-09-08, and 3.5 g/t Au over 6.8m in hole 99-01
- In November 2009, MPH Ventures drilled 4 holes below the limits of past drilling for a total of 800 metres of drilling.
- Results from the small number of drill holes to date indicate a robust zone of gold mineralization is present at the property
THE RANEY GOLD PROJECT, TIMMINS, ONTARIO

- Strike length appears open in both directions
- Outcrop showing exposed mineralization on strike and to the west
- Historic trenching on strike and to the east also shows mineralization
- Possibility to extend the strike length on surface to 250 m
Raney Gold Project – Past Drilling

- 0.84 g/t Au over 7.0 m
- 2.91 g/t Au over 8.5 m
- 3.59 g/t Au over 3.0 m
- 1.62 g/t Au over 1.50 m
- 3.91 g/t Au over 17.2 m
- 0.80 g/t Au over 6.0 m
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