

*Eagle Plains Resources Ltd. (EPL : TSX-V) acquired the K9 mineral claims in March 1996 after researching the St. Mary/ Dewar Creek area. The claims, totaling 1489 ha, cover steeply-dipping Creston Formation rocks along strike with the Great Dane showing, a polymetallic massive sulphide occurrence.*

*In 1996 Eagle Plains carried out a stream-sediment and soil geochemical program which defined a pronounced geochemical anomaly over 1.3km of strike length. During the program, a previously undocumented shaft was discovered, blasted into a 2.7m-thick massive pyrrhotite/ copper horizon, apparently oriented parallel to stratigraphy. These workings likely date to the turn of the century. Further work, including trenching and diamond drilling is recommended for the property.*



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## K9 PROJECT

### **Project Highlights**

- Stratabound massive sulphide occurrences in Creston Formation rocks.
- Soil samples collected within the property area in 1996 outlined a geochemically anomalous interval over 1.5km in length, with vertical continuity of nearly 500m.
- The 2006 geophysical survey imaged the known mineralized structures and has also identified areas for further follow up.
- Great Dane mineralization occurs within the same regional structure as the Iron Range deposits.
- Grab samples from historic dumps return 1.05% Cu, 8.4 g/t Ag and 310 ppb Au.

### **Project History**

1996 work included the discovery of a 7m-deep shaft sunk within a 2.7m-wide massive pyrrhotite lens. The shaft is believed to date from the turn of the 20th century and is located directly on strike and at a similar elevation to the Great Dane showing. It is quite possible that these occurrences are located within the same stratigraphic horizon. In addition to known mineralization, a strong, continuous geochemical anomaly was delineated during 1996 sampling, which indicates that one or more mineralized horizons may be present within the property area.

### **Eagle Plains Program**

1996 - Eagle Plains carried out a stream-sediment and soil geochemical program.

2006 - Eagle Plains carried out a helicopter borne time domain geophysical survey on the project. A total of 154 line km at 200m spacing was flown. Initial results from the survey indicate that the survey imaged the known mineralized structures and has also identified areas for further follow up.

### **Program Results**

The airborne survey defined a number of geophysical anomalies.

### **Eagle Plains Future Plans**

Target mineralization on the K9 property is stratabound massive sulphides within Creston Formation rocks. Preliminary results from an airborne geophysical survey indicate a number of anomalous electromagnetic responses which appear to be related in part to the known mineralized zones. Further work on the property is recommended including more detailed interpretation of the geophysical data, ground truthing of geophysical anomalies and diamond drill testing of the highest priority anomalies.

### **Geology**

The K9 claims cover a steeply deeply package of phyllitic quartzites and dolomitic limestones belonging to the Proterozoic Creston and Kitchener Formations, respectively. Within the property, a number of thick gabbroic sills are present, and may be related to mineralization.

Bedding throughout the property area is vertical or sub-vertical, with beds striking north/south. Beds may be overturned locally, though distinct structural relationships have not yet been ascertained. No significant folding or faulting has been recognised in the property area.

*A project summary and detailed maps may be viewed at [www.eagleplains.com](http://www.eagleplains.com)*