

883943

MAR 18 1995

## 1.0 Summary

The Hen Group is owned by David W. Ridley. Pioneer has the right to earn 100% of the property by making further cash payments totalling \$30,000 dollars by January 1, 1996 and performing a further \$55,200 of work on the property by December 31, 1997. Ridley will maintain a 2% N.S.R. royalty subject to a \$2 million buyout.

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→ HEN  
(new)

Ridley discovered the mineralization in 1992 in a number of float boulders containing arsenopyrite, pyrrhotite, and minor stibnite in hornfelsed Andesite Tuff with gold values up to 9.0 gm/tonne.

Pioneer optioned the property in June, 1993 and carried out a program of prospecting, reconnaissance soil and rock chip sampling, and limited mechanized trenching. Two other zones of anomalous gold values were outlined, but the source of the high grade float was not found.

A program consisting of geological mapping, grid soil geochemistry, mechanized trenching, and two NQ diamond drill holes totalling 199 meters was carried out in 1994 and is the subject of this report.

Geological mapping, combined with air photo interpretation, outlined a major east-west trending regional structure, traced for 11 km, that crosses the area of the high grade float. This structure was assumed to be the source of the mineralized float, and mechanized trenching was laid out to cross this structure. Trenching approximately 50 meters up slope from the float uncovered a 2.1 meter wide calcite, quartz, arsenopyrite vein grading 3.98 gm/t in the large east-west trending structure. This structure was present for the whole 54 meter length of the trench. Strong potassic alteration in the form of biotite, intense shearing and ubiquitous quartz-calcite stringers and veins are the main manifestations of the regional structure. The altitude of the structure varies in detail, but trends 97° to 105° and dips 64°N to 72°N.

Based on these results, two N.Q. diamond drill holes were drilled from the same set-up, roughly 15 meters north of the mineralization in the trench. Both holes were drilled at a bearing of 160°, Hen 94-1 at -45° for 157.3m, and Hen 94-2 at -70° for 41.8 meters. Both holes intersected the down dip extension of the mineralization trenched on surface, but in both cases the mineralization had horsetailed, giving geochemically anomalous values over 12.4 meters in the Hen 94-1 and 15.3 meters in Hen 94-2. Drill hole Hen 94-1 intersected another zone of calcite-quartz with pyrrhotite and arsenopyrite from 63.0 to 73.0 meters. Eight meters of this zone assay 0.86 gm/tonne gold.

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**2.0 Conclusions**


A new gold discovery has been made on the Hen property. Mineralization is associated with a regional scale structure at least 144.8 meters wide, where tested. This structure is part of a tectonic scale transverse structure. Right lateral movement on the Hendrix Creek fault has offset this structure and the structure on the Hen is most probably the continuation of the Ten Mile Fault, located immediately north of the Boss Mountain Molybdenum Mine. Calcite-Quartz Arsenopyrite mineralization has been sampled in a trench and returned ore grade mineralization over a mineable width (3.98 gm/t over 21 meters). This mineralization returned geochemically anomalous values over wide intersections in two drill holes. Another zone of Calcite-Quartz Arsenopyrite mineralization returned highly anomalous values (0.86 gm/t over 8.0 meters). Further work is definitely warranted.

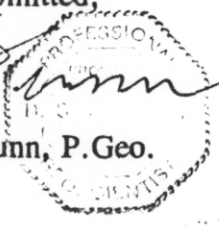
**3.0 Recommendations**

A Magnetometer/VLF geophysical survey should be carried out on north south lines with 100 meter line spacing and 25 meter station spacing from 500 meters west of the trench showing to 1.5 kilometers east of this area. A 2,000 meter diamond drill program should be carried out, following the geophysical program. At least one hole should be drilled north, under the area of Hen-94-1. The steep slope makes it possible to drill this hole from the junction of the access road to Hen-94-1 and the 6300 logging road. The other holes, probably five, should be drilled to intersect the main structure at short (< 50 meters) step-outs from Hen 94-1.

The proposed program would cost approximately \$250,000 and take six weeks.

Respectfully submitted,

  
David St. C. Dunn, P. Geo.



*This program is scheduled to begin in early June 1995 and end in late July, 1995*