

## **Orex Starts Drilling Program at Goldboro, Nova Scotia**

**Rouyn-Noranda, Quebec, February 28, 2005. OREX EXPLORATION INC. (TSX-V:OX) announces that Logan Drilling Ltd. of Stewiacke, Nova Scotia has been awarded the drilling contract, and mobilized a drill rig, to the Goldboro property to complete a 25 hole - 2,500 metre program.**

The Phase 1 drilling program is designed to demonstrate that the true grade of the Goldboro Deposit is not accurately represented, and hence under-estimated, in the current resource estimate of 13.3 million tonnes grading 0.78 g/t Au in the Measured and Indicated Resources categories, and 15.6 million tonnes grading 0.63 g/t Au in the Inferred Resources category, as stated in the NI 43-101 Technical Report by Martin Bougoin of MRB & Associates, dated August 31, 2004, titled "*Technical Report, Goldboro Property, Guysborough County, Nova Scotia*".

A comparative review of conventional fire assay results and several metallurgical test programs completed on samples collected from the 278 surface and underground exploration holes and underground sampling programs completed in the 1980's and 1990's, indicates the average grade of the Goldboro ores may be significantly higher grade than indicated in the current resource estimate. The conclusions are supported by historic production figures from the Boston-Richardson Mine of the Goldboro project when prior to 1910, 376,383 tonnes of ore was mined at an average grade of 6.8 g/t Au, significantly higher grade than the current resource estimate grade.

Metallurgical test work completed on Goldboro ore samples during the 1980's and 1990's indicate that Goldboro ores contain a significant coarse gold component. The test work indicates from 25% to 35% of gold in Goldboro ores occurs in freely-liberated grains greater than 0.5 millimeters in diameter with individual gold grains up to 1 centimeter in diameter. Statistical studies provide minimum sample size specifications to obtain representative grade determinations of ores based on the diameter of the largest gold grains in the ores. For Goldboro ores, the indicated minimum sample size requirements are from 10 to 85 kilograms.

The current resource estimate for the Goldboro project was calculated from the results of conventional fire assaying of split diamond drill core samples from the 278 historical drill holes completed. Individual core samples were typically no greater than 1.5 meters in length and weighed on average 2.5 kilograms with no samples weighing greater than 4 kilograms. These samples were too small to ensure proportionate representation of the coarse gold component of these ores. Hence, the grade determinations made from these samples are believed to be inaccurate representations of the true grade of the ores.

It is expected that the true grade of the Goldboro ores will be more accurately demonstrated by metallurgical test results from the Phase 1 drilling that are expected to approach the historic mining grade of 6.8 g/t Au. Positive results will warrant a much larger second phase definition drilling program to re-evaluate the grade of the entire Goldboro deposit using the revised sampling and metallurgical processing protocols so that accurate grade determinations can be used for resource grade estimation.

## **Orex Exploration Inc. - The Future is Golden**

Orex Exploration Inc. (TSX-V: OX) is a junior gold exploration company focused on outlining and developing a viable gold project at its 600 hectares Goldboro Property in eastern Nova Scotia, located 185 kilometres by road from Halifax. **The NI 43-101 Technical Report on the Goldboro Property outlines Mineral Resources in the Measured, Indicated and Inferred categories. The current Measured and Indicated Resources total 13.3 million tonnes grading 0.78 g/t Au; whereas the Inferred Resources total 15.6 million tonnes grading 0.63 g/t Au.** The prime objective of the 2005 exploration program is to determine the realistic gold grade of the Goldboro Deposit, and whether gold resource grades can approach the historic mining grade of 6.8 g/t Au by completing a more appropriate sampling and analytical process used elsewhere for coarse free gold deposits. An increase in the gold grade could potentially have a major impact on the gold resource.

Further information is available on the Company's web site at [www.orexexploration.ca](http://www.orexexploration.ca).

The Press Release has been prepared and revised under the supervision of Jean Lafleur, M.Sc., P. Geo., a Qualified Person under the NI 43-101 guidelines.

*The TSX Venture Exchange does not accept any responsibility for the adequacy or accuracy of this press release.*

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