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New Drilling Program to start at Goldboro

December 8, 2004 - OREX EXPLORATION INC. (TSX Venture Exchange Symbol: OX) announces that the Company is to begin surface drilling at its 100% owned Goldboro Property in Nova Scotia, some 185 kilometres northeast of Halifax. Phase 1 of the program which is slated to begin in early February 2005 will consist of 2,500 metres at an estimated cost of \$C 500,000. This program has been designed to twin previous drill holes containing intersections of coarse free gold but which yielded low gold values overall. The company feels confident that a new sampling and assaying protocol recommended by the Company's Quality Assurance/Quality Control (QAQC) Consultant, Alex Horvath, P. Eng. will greatly help to improve the gold grade determinations at Goldboro.

Past production at Goldboro dates back to 1910 when 55,000 ounces of gold were recovered from 377,000 tonnes of ore at an average grade of 6.8 g/t Au at the Boston-Richardson Mine. Following the production phase, little exploration was done on the property until Orex initiated a major surface and underground exploration program in 1988 which eventually led to the discovery of 26 "new gold belts" under, and west of, the Boston-Richardson Mine. Even though high grade results were obtained from this exploration work, gold distribution was found to be highly erratic. Some of the higher grade drill intercepts from these new belts include:

21.77 g/t Au over 4.17 meters from hole number 89-U-05
10.00 g/t Au over 6.86 meters from hole number BR-87-07
20.78 g/t Au over 3.37 meters from; hole number 89-U-08
5.15 g/t Au over 12.2 meters from hole number BR-88-62
22.70 g/t Au over 3.22 meters from hole number 89-U-12

Please note that the complete assay results are available on the Orex website at www.orexexploration.ca under the "Previous Drilling" section.

Encouraged by the positive results, Orex (and a number of joint venture partners) attempted to determine the overall gold content of the "belts", but it was concluded that the gold distribution was subject to a severe "nugget effect" making it extremely difficult to evaluate the true grade of the deposit. Rejuvenated interest in the property follows the submission of a NI 43-101 compliant technical report in which a group of consultants led by Jean Lafleur, P.Geol., concluded that much larger samples incorporating total extractive metallurgical testing may be the only method to obtain reliable grade determinations.

The Phase 1 drilling program will use large diameter core drilling. Mineralized intersections will be subjected to a new sampling protocol which consists of grouping several mineralized intervals together (compositing) and assaying using total extraction metallurgical testing. This new method will incorporate samples ranging in weight from 10 to 85 kilograms.

Orex Exploration Inc. (TSX-V: OX) is a junior gold exploration company focused on outlining and developing a significant and high grade gold resource at its 600 hectares Goldboro Property in eastern Nova Scotia. **Current Measured and Indicated Resources total 13.3 million tonnes grading 0.78 g/t Au. The Property also hosts additional Inferred Resources of 15.6 million tonnes grading 0.63 g/t Au.** The prime objective of the 2004-2005 exploration program is to determine the realistic gold grade of the Goldboro Deposit, and to answer the key question of whether gold resource grades can approach the historic mining grade of 6.8 g/t Au. A ten-fold increase in the gold grade could potentially bring the global gold resource from the current 650,000 ounces to a multi-million ounce resource. Further information is available on the Company's web site at www.orexexploration.ca.

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The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of this release.