

NEWS RELEASE

Goldboro drilling provides additional positive results: Ramp Area Gold zones extended for over 500m strike length and 200m vertical depth

Montreal (Canada), October 8, 2008: OREX EXPLORATION INC. (TSX-V: OX) (FSE: O5D) would like to provide its shareholders with additional gold assay results from the Phase 2A diamond drilling program (Holes BR08-12 to 15, inclusive) on the Company's wholly-owned Goldboro Gold Project ("Goldboro") in north eastern Nova Scotia. All 16 holes (BR08-01 to 16), comprising approximately 4,650 m of the Phase 2A drill program, have been completed with assays pending on hole BR08-16. Selected higher grade assay results received for holes BR08-12 to 15* are tabulated as follows:

HOLE #	FROM (m)	TO (m)	CORE LENGTH (m)	GOLD GRADE (g/t)	ZONE IDENTIFICATION
BR08-12	172.0	204.0	32.0	1.25	"123" Zone, North Limb/Hinge
including	177.0	178.5	1.5	3.72	
including	177.5	178.0	0.5	8.40	
and	185.0	194.0	9.0	2.23	
including	185.5	189.0	3.5	4.44	
including	185.5	186.0	0.5	11.30	
and	199.5	204.0	4.5	2.01	
	218.5	220.5	2.0	2.46	"4" Zone, North Limb
	226.0	235.5	9.5	0.74	
	243.0	249.0	6.0	1.41	"123" Zone, South Limb
	254.5	255.0	0.5	40.80	
	277.5	277.75	0.25	19.70	"A" Vein, South Limb
BR08-13	186.5	218.5	32.0	1.21	"123" Zone, North Limb/Hinge
including	187.5	190.5	3.0	4.23	
including	187.5	188.0	0.5	11.75	
and	204.0	205.5	1.5	4.99	
and	215.5	216.0	0.5	8.71	
	230.5	237.75	7.25	2.23	"56" Zone, North Limb
including	235.5	237.75	2.25	5.80	
including	236.5	237.0	0.5	14.50	
	288.5	297.5	9.0	1.61	"56" Zone, South Limb
BR08-14	211.0	251.5	40.5	2.27	"123" Zone, Hinge
including	231.5	251.5	20.0	3.92	
including	231.5	234.0	2.5	5.55	
including	232.0	232.5	0.5	10.15	
and	233.0	233.5	0.5	9.28	
and	247.5	250.0	2.5	21.82	
including	249.7	250.0	0.3	167.50	
	267.5	270.0	2.5	1.52	"A" Vein, South Limb

BR08-15	224.0	227.5	3.5	4.49	“123” Zone, North Limb
including	224.0	224.5	0.5	23.05	
	262.5	267.0	4.5	1.79	“56” Zone, North Limb
including	263.5	264.5	1.0	4.73	
	277.0	283.5	6.5	0.57	“56” Zone, South Limb

* Assay and QA/QC protocols are outlined below. Assay results reported in this news release are current for samples processed and assayed by the laboratory. Logging and sampling has been completed for BR08-16, and the assay results are pending.

Mark Billings, President and CEO of Orex, commented, “*These results continue to demonstrate good gold grades over widths of up to 40m. With these encouraging results, and the first indications of completed drill holes from Phases 2B and 2C of our drilling campaign, I am looking forward to providing shareholders with an updated resource estimate in the coming months.*”

The 2008 Goldboro drilling campaign

The recently completed **Phase 2A** drill program doubled the strike length of the gold mineralization a further 225m between the Goldboro Ramp Resources eastward towards the Boston-Richardson Mine, outside the current limits of the defined NI 43-101 Mineral Resources (the “Resources”) in the Goldboro Ramp Area (3,105,000 tonnes grading 2.36 g/t gold in the Measured and Indicated Resources categories). The campaign targeted the down-plunge extensions to the “123”, “4”, “56” and other zones of gold mineralization as they plunge shallowly to the east beneath the historic Boston-Richardson Mine at vertical depths ranging from -75m to -200m.

In addition to the assay results recently received from the Phase 2A program, logging and sampling of hole BR08-16 has been completed. Hole BR08-16 was drilled near the ramp collar on an easterly azimuth at -45 degree dip and designed to intersect the “123” hinge zone and continue along its shallow plunge to the east. The hole intersected the “123” hinge zone at a down-hole depth of 155m and deviated along the south limb to a depth of 300m before exiting the zone. Abundant quartz and sulphides are logged throughout the intersection and visible gold noted in an occurrence at 244m.

The **Phase 2B** drill program continues with 8 of 16 planned drill holes completed to-date with sampling/assays pending. The Phase 2B drill program will cover a 350m strike length extending from the historic Boston-Richardson Mine eastward towards the historic East Gold Brook Shaft. Drilling is targeting the down-plunge hinge of the historic Boston-Richardson Zone as well as other zones above the Boston-Richardson that plunge similarly eastwards towards East Gold Brook. Historic drill intersections in this area suggest the presence of similar “Slate Belt” zones stratigraphically above the Boston-Richardson that may correlate and form continuous zones with the East Gold Brook slate belts.

Holes BR08-17 and 18, the first two most westerly drill holes of the Phase 2B program tested the Boston-Richardson and other slate belts stratigraphically above as they plunge eastward from the Boston Richardson Shaft towards the East Gold Brook Shaft. Hole BR08-17 intersected multiple 5m to 20m wide quartz and sulphide mineralized zones all stratigraphically above the Boston-Richardson Zone and included three separate occurrences of visible gold at downhole depths of 96m, 148m and 164m. Hole BR08-18 located 50m east of hole BR08-17 similarly intersected multiple wide quartz and sulphide mineralized zones above the Boston-Richardson Zone and also included an occurrence of visible gold at a down-hole depth of 124m.

The **Phase 2C** drill program is progressing rapidly with a second drill having completed 8 of 13 planned drill holes with sampling/assays pending. The Phase 2C drill program will cover a 150m strike length extending from the Goldboro Ramp area westward towards the historic West Gold Brook Shaft.

The program is designed to investigate gold potential of the deeper 5-6, 7-8 and 9-10 gold zones as they trend up-plunge just west of the ramp area. These holes will in-fill and potentially add to existing resources in the Ramp area. In addition, Phase 2C will include two step-out holes to the south intended to explore for new gold zones as well as the possible fault displacement of the Boston-Richardson Antiform Structure.

In 2008 and 2009, the Company plans to drill the Boston-Richardson Antiform Structure over its entire 2.5km length in successive drill programs (from Phases 2A to 2E) totaling 21,034m in 79 drill holes to define the ultimate gold potential of the property. Drilling of the 44 holes in Phases 2A, 2B and 2C is expected to be completed by late November with assay results available by year end/early 2009. The work will also include updating the geological and resource model, and producing an updated Mineral Resource estimate in early 2009.

Assay Protocols

Sample preparation and assaying are being performed by the *ALS Laboratories Group* facility in Vancouver, British-Columbia, using the Fire-Assay Method with Atomic Absorption Spectrometry Finish. The NQ-sized drill core is being logged, sampled, bagged, tagged and sealed at the Goldboro site by qualified personnel. Samples were inserted in numbered pails and shipped to the laboratory in Vancouver by commercial trucking. Sample pails were opened at the laboratory; sample bags were checked, contents dried and weighed; crushed to -10 mesh (2mm), followed by pulverizing a 250 gram sample fraction to -150 mesh size (0.125mm), from which a 50 gram sample of the pulp was fire assayed. Pulp duplicate check assays are completed in each batch of samples fire assayed and metallic screen assays for samples containing Visible Gold are included in the initial assay protocols. Field blank and certified reference standards are also routinely included to monitor the laboratories' performance.

After review of initial assay results and reconciliation with the logged zones of mineralization, specific samples are being identified for re-assaying. A portion of the samples are to be re-processed / assayed by total metallic screen methods, while other samples will have a second pulp prepared from the coarse reject and re-assayed by fire assay. Multiple assay determinations provide a more accurate determination of gold content in the samples.

About Orex Exploration Inc.

Orex Exploration Inc. is a Canadian based junior resource and exploration company trading under the symbol OX on the TSX Venture Exchange and O5D on the Frankfurt Stock Exchange. The Company holds a 100% interest in the Goldboro Gold Project in Nova Scotia. You are invited to browse the Company's website at www.orexexploration.ca.

The information contained in this news release has been prepared by Mr. Jean Lafleur, M. Sc., P. Geo., Director and Technical Advisor at Orex. The drill campaign, core descriptions and assay sample preparations are being done under the supervision of Billy Shaw, P. Geo., of W.G. Shaw & Associates (Antigonish, Nova Scotia) and Mr. Alex Horvath, P. Eng., of A.S. Horvath Engineering Inc. (Ottawa, Ontario). All individuals are Qualified Persons under National Instrument 43-101 regulations.

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