

NEWS RELEASE

Orex reports gold assays from Phase 2C drilling

Company awaiting new NI 43-101 resource estimates

Montreal, Canada, May 7, 2009: OREX EXPLORATION INC. would like to provide its shareholders with additional gold assay results from the recently completed Phase 2C diamond drilling program (Holes BR08-33 to 44, inclusive) on the Company's wholly-owned Goldboro Gold Project in north eastern Nova Scotia.

All 12 holes (BR08-33 to 44), comprising 3,006m of the Phase 2C drill program, are reported here. The Phase 2C drilling campaign was conducted over a 150m strike length on the western Ramp Area, some 100m to 200m below surface of the western Ramp area and current mineral resources. The most significant gold assay intervals from holes BR08-33 to 44* are as follows:

HOLE #	FROM (m)	TO (m)	CORE LENGTH (m)	GOLD GRADE (g/t)	REMARKS
BR08-33	24.5	25.0	0.5	7.35	
	40.0	41.5	1.5	3.99	
	82.0	84.0	2.0	1.77	
	96.5	104.0	7.5	3.06	
including	98.5	100.5	2.0	9.59	
including	98.5	99.5	1.0	16.60	
	113.0	113.5	0.5	6.86	
	126.5	128.5	2.0	1.07	
	136.5	138.0	1.5	3.75	
including	136.5	137.0	0.5	10.00	
	160.5	166.0	5.5	1.08	
including	160.5	160.75	0.25	4.07	Visible gold
	189.0	192.0	3.0	2.43	
including	190.5	191.0	0.5	7.16	
BR08-37	121.0	127.5	6.5	3.35	
including	126.0	127.5	1.5	13.01	
including	126.5	127.0	0.5	30.80	
	136.5	140.0	3.5	9.30	
including	136.5	138.5	2.0	31.31	
including	137.0	137.5	0.5	53.30	
	188.0	197.0	9.0	0.93	
including	193.5	195.5	2.0	2.09	
	202.0	209.0	7.0	1.00	
including	202.0	204.0	2.0	2.56	
including	202.0	202.25	0.25	14.95	Visible gold
BR08-38	133.5	137.5	4.0	2.17	
including	136.0	136.5	0.5	7.33	
	164.5	165.0	0.5	5.27	
	187.25	187.5	0.25	3.85	
	199.5	200.0	0.5	8.42	
	214.5	215.0	0.5	11.65	
	245.5	253.5	8.0	0.57	
BR08-39	133.0	137.5	4.5	1.35	
	190.5	196.0	5.5	1.07	

	204.0	208.5	4.5	1.30	
including	204.0	206.0	2.0	2.07	
including	205.25	205.5	0.25	2.73	Visible gold
and	205.5	205.75	0.25	4.88	Visible gold
BR08-40	129.5	134.0	4.5	9.33	
including	129.75	130.0	0.25	21.90	Visible gold
and	131.0	131.5	0.5	56.20	
and	132.5	133.0	0.5	8.62	
	168.0	173.0	5.0	2.20	
including	168.0	168.25	0.25	29.10	Visible gold
	193.5	198.0	4.5	1.17	
	203.0	206.75	3.75	2.78	
including	203.5	205.0	1.5	5.89	
including	203.5	204.0	0.5	12.45	
BR08-41	163.75	165.0	1.25	2.01	
including	163.75	164.0	0.25	7.64	Visible gold
	204.5	209.0	4.5	1.78	
including	204.5	206.5	2.0	2.48	
including	204.5	205.0	0.5	5.37	
	220.5	221.5	1.0	29.93	
	220.5	220.75	0.25	116.5	Visible gold
BR08-42	86.0	87.5	1.5	5.24	
including	86.5	87.0	0.5	10.25	
	164.5	166.0	1.5	3.21	
including	165.5	166.0	0.5	8.93	
	192.0	193.5	1.5	2.32	
	217.0	218.0	1.0	4.66	
including	217.5	217.75	0.25	15.80	Visible gold
BR08-44	126.0	126.5	0.5	13.40	
	132.5	148.0	15.5	0.97	
including	132.5	135.5	3.0	1.79	
including	132.5	133.5	1.0	4.14	
and	142.0	145.5	3.5	1.78	
including	142.5	143.0	0.5	8.04	
and	145.25	145.5	0.25	2.57	Visible gold
	164.5	166.0	1.5	3.25	
including	165.5	166.0	0.5	8.01	

* Gold assays for drill holes BR08-01 to 32 were previously released in 2008 and 2009 (refer to Orex news releases on the Company's website or on SEDAR at www.sedar.com).

In 2008, the Company completed 12,201 metres of diamond drilling in 44 holes divided into three campaigns (Phases 2A, 2B and 2C). Visible gold was observed in 7 of the current 12 drill holes, and in 36 of the 44 total drill holes completed in 2008. There are 90 separate reported occurrences of visible gold in the 44 holes, with another 9 occurrences reported as possible.

As previously announced, Orex has contracted InnovExplo Inc. of Val-d'Or, Quebec, to evaluate and model the Company's 2008 drilling results, with the objective of providing a National Instrument (NI) 43-101 Technical Report on mineral resource estimates for the Goldboro Project. Orex intends to provide shareholders with this information in Q2 2009.

Mark Billings, President and CEO of Orex, comments, "With all assay results available, Orex will be soon providing shareholders with a new mineral resource estimate from the West Ramp Area to East Gold Brook, a strike length of 950m. I was recently at Goldboro with representatives from the Orex technical team and InnovExplo to review the 2008 program and to observe first-hand drill core and significant intersections. I also had the opportunity to meet with representatives of Guysborough County and the Nova Scotia Department of Natural Resources, and I am encouraged by the attention and support we are receiving for our Goldboro Project."

In connection with its stock option plan, Orex recently granted 1,000,000 stock options at a strike price of \$0.15 per share for a period of one year to consultants of the Company.

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., Senior Technical Advisor to Orex. The drill campaign, core description, assay sample preparations, tabulations and synthesis 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.

For further information, please contact**Mark Billings, President and CEO**

(514) 296-1641

mark@atwaterfin.com**Paradox Investor Relations**

1-866-460-0408

info@paradox@qc.aira.com

The TSX Venture Exchange (TSX-V) does not accept responsibility for the adequacy or accuracy of this release. This news release may contain forward-looking statements reflecting the Company's objectives, estimates, expectations and the impact of acquisitions on the Company's financial performance. By their very nature, these types of statements involve risks and uncertainty. Consequently, reality may differ materially from the Company's projections or expectations.