OREX EXPLORATION INC.

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www.orexexploration.ca

NEWS RELEASE

Positive gold assays in previously reported drill holes and new intersections discovered, including 9.07 g/t over 29.5m

- Additional sampling identifies wider extents to "123" Zone in holes BR08-01 and 02, carrying:
  1.79/t gold over 34m
  2.77 g/t gold over 25.5m

- Identifies the "56" and "78" Zones with new intersections not previously reported in hole BR08-02, grading:
  7.48 g/t gold over 9.0m
  9.07 g/t gold over 29.5m

Montreal, Canada, December 11, 2008: OREX EXPLORATION INC. (TSX-V: OX) (FSE: O5D) would like to provide its shareholders with additional gold assay results from the Phase 2 diamond drilling program on the Company's wholly-owned Goldboro Gold Project in north eastern Nova Scotia.

The Company has completed 12,173m in 44 diamond drill holes in 2008 divided into three campaigns (*refer to the appended Figure 1 - Location Map*):

- 4,610m completed in 16 holes from Phase 2A (BR08-01 to 16);

- 4,598m completed in 17 holes from Phase 2B (BR08-17 to 32); and

- 2,965m completed in 11 holes from Phase 2C (BR08-33 to 44).

Summary highlights to date

- Based on the reconciliation of the initial fire-assay results with logging and historic drilling, the Company undertook additional core sampling predominantly in the first few drill holes where logged intervals of quartz veined slate with 2-5% sulphides remained un-sampled in locations of projected mineral zones;

- In addition to the added sampling, many of the original reported sample intersections were check assayed by total metallic screen methods and/or second pulp fire assays;

- All samples were submitted to the ALS Laboratory Group facilities in Timmins (Ontario) for sample preparation or retrieved from storage, processed and forwarded to ALS Laboratory facilities in Vancouver (BC) for assaying;

- Interval results from the entire Phase 2A drill program are reported in the appended *Table 1;*

- Results from the additional sampling and assaying completed in holes BR08-01 to 11 are reported with the previous assay results for the same or now wider intervals;

- Results for holes BR08-12 to 15 have been re-stated with corrected zone identifications of previously reported intersections and the new results for BR08-16 are also shown;

- All initial fire assay results from the additional sampling in holes BR08-01 to BR08-11 have been received;

- All total metallic screen check assays have also been received excepting a few samples that could potentially affect the reported grades highlighted in *Table 1*;

Mr. Mark Billings, President and CEO of Orex, stated, "*Our technical team is readily identifying the stacked gold zones with reasonable accuracy, as the initial and secondary sampling and assaying has shown, which could help in the eventual conversion to higher quality mineral resources. Now with the completion of the Phase 2C campaign, Orex has started building the second generation 2-dimensional geological-mineralization model based on the drill core descriptions. The 3-dimensional modeling will be initiated early in 2009 once assay results have been received and integrated into the Goldboro database as with the Quality Assurance and Quality Control analysis.*"

Mr. Alex Horvath, P. Eng., the Goldboro Project Manager, added, "*The total metallic screen and second pulp check assays confirm the mineral zone intersections reported from the initial fire assays in BR08-01 to 11. Individual samples still display a strong nugget effect indicative of coarse grained gold in the samples and mineral zones with gold grades ranging from under 1 g/t gold to more than 400 g/t gold. However, the multiple assay determinations for the same intervals provide a more accurate determination of grade for the samples and assist in better defining limits to the mineralized zones. In addition, reconciliation of initial assay results with logging and completing additional sample assaying has shown in some cases that the mineralized intervals may be longer than originally estimated. This was seen in BR08-01, which initially carried 9.24 g/t gold over 5m, but now carries 1.79 g/t gold over 34m.Tthe same goes for BR08-02 which initially carried 3.09 g/t gold over 15m, but now carries 2.77 g/t over 25.5m."*

Annual and Special Meeting

The Company wishes to remind shareholders that the Orex Annual and Special Meeting of Shareholders will be held today, Thursday, December 11, 2008, at 2:00 p.m. at the Delta Hotel Montreal, 475 President Kennedy Avenue, Montreal, in the Tchaikovsky Room.

The 2008 Goldboro drilling campaign

The **Phase 2A** drill program (BR08-01 to 16) has nearly doubled the strike length of the gold mineralization a further 200m 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", "56", "78" 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. BR08-01 to 15 were drilled from south to north along a series of 10 sections spaced at 25m from 8775E to 8975E. BR08-16 was drilled from west to east in attempts to drill down-plunge within the 123 hinge zone to evaluate continuity within the zone of mineralization. BR08-16 produced several narrow high grade intersections from 135m along the upper contact of the "123" hinge zone before entering the zone at 189m along the south limb and deviating further southward out the south limb at 215m. The 26m intersection grades 1.48 g/t gold including 1.0m grading 13.45 g/t gold. Additional details are shown in appended *Table 1*.

The **Phase 2B** drill program (BR08-17 to 32) covered an additional 350m strike length extending from the historic Boston-Richardson Mine eastward towards the historic East Gold Brook Shaft. All holes were drilled

from south to north on sections 9150E to 9500E spaced at 50m and targeted 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 above the Boston-Richardson that may correlate and form continuous zones with the East Gold Brook slate belts. Samples from these holes have been submitted for initial fire-assay with total metallic screen assays designated for samples logged with visible gold.

The initial fire assay results for samples from holes BR0-17 to BR08-21 have been received but metallic screen results for several key samples are pending before final intersections can be calculated and reported.

The **Phase 2C** drill program (BR08-33 to 44) was recently completed. Logging and sampling of drill holes is in progress and all samples are expected to be in the laboratory by year end with results expected early in 2009. The Phase 2C drill program covered a 150m strike length beneath the Goldboro Ramp on a series of sections spaced at 25m apart from 8550E to 8700E. The program was designed to investigate gold potential of the deeper "56", "78" and "910" 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 included two step-out holes to the south intended to explore for new gold zones as well as a possible fault displacement of the Boston-Richardson Antiform Structure.

In 2008 and 2009, the Company will drill the Boston-Richardson Antiform Structure over its entire 2.5km length in successive drill programs from Phases 2A to 2E totaling 19,528m in 80 drill holes. Final results from the completed drilling and sampling in Phases 2A, 2B and 2C are expected early in 2009.

Once all results are received, Orex plans to update the geological and resource model and produce an updated Mineral Resource estimate.

Assay Protocols

Sample preparation and assaying are being performed by the *ALS Laboratories Group* using conventional Fire-Assaying with an 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, sealed and shipped in batches to the laboratory in Timmins 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 assayed and Total 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 by the MS method while other samples will have a second pulp prepared from the coarse reject and re-assayed by the AAS Method. 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.

For further information, please contact

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Figure 1: Surface map outlining the 2.5km long Boston-Richardson Antiform Structure (the "Structure") on the Goldboro Gold Property (the "Property"). The Structure hosts of the known gold mineralization at the Property. Map shows drill campaigns as Phases 2A to 2E; location of the current Measured and Indicated Mineral resources over a 225m strike length of the Structure; and the location of planned Mineral Resource estimates to be completed early in 2009.

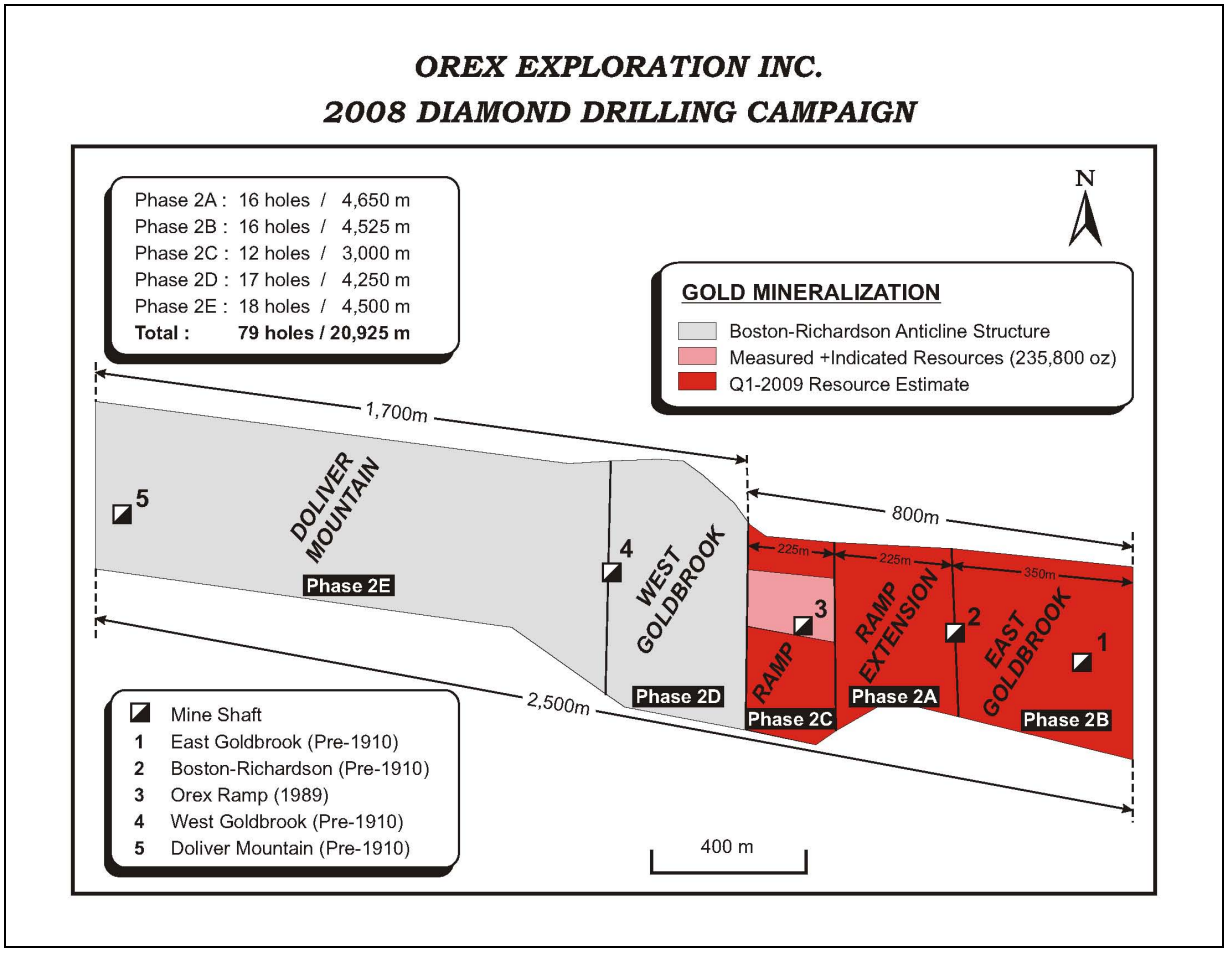

Table 1: Table outlining diamond drill hole results from the 2008 Phase 2A drill campaign.

Goldboro 2008 Phase 2A Diamond Drill Hole Assay Highlights

Section	Hole	From	To	Interval	Au gpt	Zone Identification	MS Checks
8775E	**BR08-01**	**10.00**	**12.00**	**2.00**	**4.26**	**BR - S. Limb**	Initial AAS
	BR08-01	**64.00**	**98.00**	**34.00**	**1.79**	**123 Zone - Hinge/N. Limb**	Initial AAS & MS
	including	64.00	77.00	13.00	3.52		Initial AAS
	including	64.50	71.00	6.50	6.30		Initial AAS
	including	65.50	68.50	3.00	11.97		Initial AAS
	including	65.50	66.00	0.50	44.10		Initial AAS
	and	93.00	98.00	5.00	1.58		Metallic Screen
	initially reported	*93.00*	*98.00*	*5.00*	*9.24*		*Initial AAS*
8775E	**BR08-02**	**75.50**	**101.00**	**25.50**	**2.77**	**123 Zone - S. Limb**	Initial AAS & MS
	including	75.50	76.00	0.50	8.25		Initial AAS
	and	81.50	82.00	0.50	48.10		Initial AAS
	and	86.00	101.00	15.00	2.73		Metallic Screen
	initially reported	*86.00*	*101.00*	*15.00*	*3.09*		*Initial AAS*
	including	93.50	101.00	7.50	3.59		Metallic Screen
	including	93.50	95.50	2.00	6.04		Metallic Screen
	including	99.50	101.00	1.50	7.89		Metallic Screen
		128.50	**137.50**	**9.00**	**7.48**	**56 Zone - S. Limb**	Initial AAS
		161.00	**190.50**	**29.50**	**9.07**	**78 Zone - Hinge/N. Limb**	Initial AAS
	including	170.00	184.50	14.50	17.81		Initial AAS
	including	170.00	170.50	0.50	425.00		Initial AAS
	and	173.00	178.00	5.00	4.43		Initial AAS
	including	173.00	175.50	2.50	6.75		Initial AAS
	including	174.50	175.00	0.50	16.90		Initial AAS
	and	180.00	184.50	4.50	4.09		Initial AAS
	including	181.50	182.00	0.50	19.90		Initial AAS
8763E	**BR08-03**	**105.00**	**116.00**	**11.00**	**2.04**	**123 Zone - S. Limb**	Metallic Screen
	initially reported	*106.00*	*116.00*	*10.00*	*0.73*		*Initial AAS*
		143.00	**152.50**	**9.50**	**2.09**	**56 Zone - S. Limb**	Metallic Screen
	initially reported	*143.00*	*152.50*	*9.50*	*3.36*		*Initial AAS*
	including	143.00	147.00	4.00	4.45		Metallic Screen
	including	143.75	146.00	2.25	6.99		Metallic Screen
		183.50	**192.00**	**8.50**	**0.69**	**56 Zone - N. Limb**	Metallic Screen
	initially reported	*183.50*	*192.00*	*8.50*	*0.58*		*Initial AAS*
8800E	**BR08-04**	**99.00**	**110.50**	**11.50**	**2.79**	**123 Zone - S. Limb/Hinge**	Metallic Screen
	initially reported	*99.00*	*110.50*	*11.50*	*2.05*		*Initial AAS*
	including	99.00	102.00	3.00	4.27		Metallic Screen
	initially reported	*99.00*	*102.00*	*3.00*	*3.61*		*Initial AAS*
	and	103.00	105.50	2.50	3.01		Metallic Screen
	initially reported	*103.00*	*105.50*	*2.50*	*2.46*		*Initial AAS*
	and	108.00	109.50	1.50	6.10		Metallic Screen
	initially reported	*108.00*	*109.50*	*1.50*	*2.71*		*Initial AAS*
		117.50	**133.50**	**16.00**	**0.36**	**123 Zone - N. Limb**	
8800E	**BR08-05**	**119.00**	**134.00**	**15.00**	**0.91**	**123 Zone - S. Limb**	Metallic Screen
	including	119.00	127.00	8.00	1.32		Metallic Screen
	initially reported	*119.00*	*127.50*	*8.50*	*1.27*		*Initial AAS*
		147.00	**152.50**	**5.50**	**0.96**	**56 Zone - S. Limb**	Metallic Screen
	initially reported	*147.00*	*152.50*	*5.50*	*1.74*		*Initial AAS*
		206.00	**228.00**	**22.00**	**2.91**	**78 Zone - N. Limb**	Metallic Screen
	including	218.00	228.00	10.00	4.99		Metallic Screen
	including	218.50	220.50	2.00	9.00		Metallic Screen
	and	222.50	227.00	4.50	6.22		Metallic Screen
	initially reported	*206.00*	*228.00*	*22.00*	*4.07*		*Initial AAS*

Goldboro 2008 Phase 2A Diamond Drill Hole Assay Highlights

Section	Hole	From	To	Interval	Au gpt	Zone Identification	MS Checks
8825E	**BR08-06**	**115.50**	**125.50**	**10.00**	**1.01**	**123 Zone - S. Limb**	Metallic Screen
	initially reported	*115.50*	*125.50*	*10.00*	*0.91*		*Initial AAS*
		145.50	**150.50**	**5.00**	**4.53**	**56 Zone - S. Limb**	Metallic Screen
	including	147.00	149.50	2.50	7.16		Metallic Screen
	initially reported	*145.50*	*150.50*	*5.00*	*3.29*		*Initial AAS*
		162.50	**168.00**	**5.50**	**1.47**	**78 Zone - S. Limb**	Metallic Screen
	initially reported	*162.50*	*168.00*	*5.50*	*1.14*		*Initial AAS*
		202.50	**217.50**	**15.00**	**1.97**	**910 Zone - N. Limb**	Metallic Screen
	including	208.50	212.50	4.00	4.11		Metallic Screen
	initially reported	*202.50*	*217.50*	*15.00*	*2.49*		*Initial AAS*
8825E	**BR08-07**	**122.50**	**140.50**	**18.00**	**1.76**	**123 Zone - Hinge**	Metallic Screen
	including	126.50	128.00	1.50	5.21		Metallic Screen
	including	126.50	127.00	0.50	10.20		Metallic Screen
	and	138.00	140.00	2.00	6.60		Metallic Screen
	including	138.50	139.50	1.00	11.98		Metallic Screen
	initially reported	*122.50*	*144.00*	*21.50*	*1.68*		*Initial AAS*
		176.00	**184.00**	**8.00**	**0.95**	**123 Zone - N. Limb**	Metallic Screen
	initially reported	*176.00*	*184.00*	*8.00*	*0.80*		*Initial AAS*
8850E	**BR08-08**	**150.50**	**158.00**	**7.50**	**1.56**	**123 Zone - S. Limb**	Metallic Screen
	initially reported	150.50	157.50	7.00	1.23		*Initial AAS*
		170.50	**173.50**	**3.00**	**1.04**	**56 Zone - S. Limb**	Metallic Screen
	initially reported	*170.50*	*177.50*	*7.00*	*0.70*		*Initial AAS*
		188.50	**198.00**	**9.50**	**3.06**	**78 Zone - Hinge**	Metallic Screen
	including	188.50	191.00	2.50	5.17		Metallic Screen
	including	189.00	189.50	0.50	16.55		Metallic Screen
	and	193.00	195.00	2.00	6.19		Metallic Screen
	initially reported	*188.50*	*198.00*	*9.50*	*3.74*		*Initial AAS*
		215.50	**218.50**	**3.00**	**1.14**	**56 Zone - N. Limb**	Metallic Screen
	initially reported	*215.50*	*218.50*	*3.00*	1.05		*Initial AAS*
8850E	**BR08-09**	**145.00**	**156.00**	**11.00**	**2.67**	**123 Zone - S. Limb**	Metallic Screen
		145.00	146.50	1.50	10.39		Metallic Screen
		146.00	146.50	0.50	27.90		Metallic Screen
	initially reported	*145.00*	*156.00*	*11.00*	*1.68*		*Initial AAS*
		198.50	**205.00**	**6.50**	**2.12**	**123 Zone - N. Limb**	Metallic Screen
	including	198.50	98.75	0.25	20.60		Metallic Screen
	and	202.50	203.00	0.50	7.60		Metallic Screen
		198.50	*205.00*	*6.50*	*2.19*		*Initial AAS*
8875E - 8900E	**BR08-10**	**194.00**	**195.50**	**1.50**	**1.47**	**123 Zone - S. Limb**	
		214.00	**215.50**	**1.50**	**13.87**	**56 Zone - S. Limb**	Metallic Screen
	including	215.00	215.50	0.50	36.10		Metallic Screen
	initially reported	*210.00*	*215.50*	*5.50*	*14.16*		*Initial AAS*
	initially reported	*215.00*	*215.50*	*0.50*	*141.50*		*Initial AAS*
		222.00	**226.50**	**4.50**	**3.33**	**78 Zone - S. Limb/Hinge**	Metallic Screen
	including	224.50	226.50	2.00	6.57		Metallic Screen
	including	224.50	225.00	0.50	17.65		Metallic Screen
	initially reported	*222.00*	*226.50*	*4.50*	*1.57*		*Initial AAS*
		289.00	**292.50**	**3.50**	**3.56**	**56 Zone - N. Limb**	Metallic Screen
	including	290.00	290.50	0.50	20.70		Metallic Screen
	initially reported	*289.00*	*292.50*	*3.50*	*2.58*		*Initial AAS*
		323.50	**330.50**	**7.00**	**1.11**	**123 Zone - N. Limb**	Metallic Screen
	initially reported	*323.50*	*330.50*	*7.00*	*2.34*		*Initial AAS*

Goldboro 2008 Phase 2A Diamond Drill Hole Assay Highlights

Section	Hole	From	To	Interval	Au gpt	Zone Identification	MS Checks
8900E	**BR08-11**	**168.00**	**187.50**	**19.50**	**3.53**	**123 Zone - S. Limb/Hinge**	Metallic Screen
	including	173.50	178.50	5.00	9.93		Metallic Screen
	including	173.50	174.75	1.25	29.87		Metallic Screen
	and	176.75	178.50	1.75	18.43		Metallic Screen
	and	181.00	184.00	3.00	3.21		Metallic Screen
	including	183.00	183.50	0.50	9.93		Metallic Screen
	initially reported	*168.00*	*187.50*	*19.50*	*3.30*		*Initial AAS*
	including	*173.50*	*178.50*	*5.00*	*8.82*		*Initial AAS*
	including	*173.50*	*174.75*	*1.25*	*23.01*		*Initial AAS*
	and	*176.75*	*178.50*	*1.75*	*8.50*		*Initial AAS*
	and	*181.50*	*183.50*	*2.00*	*4.33*		*Initial AAS*
		222.50	**227.50**	**5.00**	**2.18**	**56 Zone - Hinge**	Metallic Screen
	including	223.50	225.00	1.50	5.49		Metallic Screen
	including	223.50	224.00	0.50	11.85		Metallic Screen
	initially reported	223.50	228.00	*4.50*	*3.09*		*Initial AAS*
	including	*223.50*	*225.00*	*1.50*	*4.74*		*Initial AAS*
		258.50	**265.50**	**7.00**	**1.23**	**123 Zone - N. Limb**	Metallic Screen
	initially reported	*258.50*	*265.50*	*7.00*	*1.92*		*Initial AAS*
8925E	**BR08-12**	**172.00**	**204.00**	**32.00**	**1.25**	**123 Zone - S. Limb/Hinge**	
	including	177.00	178.50	1.50	3.72		
	including	177.50	178.00	0.50	8.40		
	and	185.00	194.00	9.00	2.23		
	including	185.50	189.00	3.50	4.44		
	including	185.50	186.00	0.50	11.30		
	and	199.50	204.00	4.50	2.01		
		226.00	**235.50**	**9.50**	**0.74**	**123 Zone - N. Limb**	
		243.00	**249.00**	**6.00**	**1.41**		
		254.50	**255.00**	**0.50**	**40.80**		
8925E - 8950E	**BR08-13**	**186.50**	**218.50**	**30.00**	**1.27**	**123 Zone - S. Limb/Hinge**	
	including	187.50	190.50	3.00	4.23		
	including	187.50	188.00	0.50	11.75		
	and	204.00	205.50	1.50	4.99		
	and	215.50	216.00	0.50	8.71		
		230.50	**237.75**	**7.25**	**2.23**	**56 Zone - S. Limb**	
	including	235.50	237.75	2.25	5.80		
	including	236.50	237.00	0.50	14.50		
		288.50	**297.50**	**9.00**	**1.61**	**56 Zone - N. Limb**	
8950E	**BR08-14**	**211.00**	**251.50**	**40.50**	**2.27**	**123 Zone - Hinge**	
	including	231.50	251.50	20.00	3.92		
	including	231.50	234.00	2.50	5.55		
	including	232.00	232.50	0.50	10.15		
	and	233.00	233.50	0.50	9.28		
	and	247.50	250.00	2.50	21.82		
	including	249.70	250.00	0.30	167.50		
		267.50	**270.00**	**2.50**	**1.52**	**123 Zone - N. Limb**	
8975E	**BR08-15**	**224.00**	**227.50**	**3.50**	**4.49**	**123 Zone - S. Limb**	
	including	224.00	224.50	0.50	23.05		
		262.50	**267.00**	**4.50**	**1.79**	**56 Zone - Hinge**	
	including	263.50	264.50	1.00	4.73		
		277.00	**283.50**	**6.50**	**0.57**	**123 Zone - N. Limb**	

Goldboro 2008 Phase 2A Diamond Drill Hole Assay Highlights

Section	Hole	From	To	Interval	Au gpt	Zone Identification	MS Checks
Longitudinal	**BR08-16**	**135.50**	**140.00**	**4.50**	**1.88**	**123 Zone - S. Limb/Hinge**	
		162.00	**163.00**	**1.00**	**8.49**		
		168.50	**169.00**	**0.50**	**11.40**		
		189.00	**215.00**	**26.00**	**1.48**		
	including	190.00	206.00	16.00	2.11		
	including	190.00	196.00	6.00	3.43		
	including	195.00	196.00	1.00	13.45		

Notes:
- True widths are approximately 70-90% of the core lengths in south limb/hinge zone intersections and <50% in north limb intersections.
- Assay results reported in this news release are current for samples processed and assayed by the laboratory.
- Metallic screen results are pending for 7 samples that could modestly affect final calculated grades for those highlighted in yellow background.