ZELOS RESOURCES
DRILLING LOG
TITLE PAGE

PROJECT: NELSON BAY RIVER

EXPLORATION LICENSE: 41/2004

HOLE No: NBR 3

CO-ORDINATES UTM
E 310129.11
N 5442166.52

LOCAL GRID: N A.
AZIMUTH: 050° Grid
INCLINATION: −45°
DEPTH: 225.6

AMG: AGD 66

RL COLLAR: Not surveyed at time of logging
75.32

HOLE SIZE

TO (m):	101.0	225.6
Size:	HQ	NQ

Commenced: Mon 15 May 2006
Completed: Fri 26 May 2006
} 12 days inclusive
Logged: L. Vanzino
Drillers: TASGOLD
Drill Type: TGD 500

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ZELOS RESOURCES NL

DRILL CORE LOG A - NBR3

DEPTH (m)	Core Recovery			GRAPHIC LOG	CORE DESCRIPTION	C.B/CV.A C.V.A	ALTERATION					SAMPLE ASSAY DATA								
	From	To	%				Silicic	Phyllic	Prop.	Argillic	Sulphide	Sample	From	To	Au	Cu	Pb	Zn	Ag	As
	0	1.5	15		0 - 8.2M SURFICIAL															
	1.5	3.0	10		WEATHERED ZONE															
	3.0	4.5	30		• 0.0 - 1.7 Weathered, pale grey															
	4.5	6.5	55		to pale brown, surficial															
	6.5	7.5	70		siltstone 'lag' fragments.															
	7.5	9.0	65																	
	9.0	10.5	75		• 1.7 - 3.0. Poorly lithified,															
	10.5	12.0	95		organic rich, dark brown															
	12.0	13.5	15		siltstones and clays															
	13.5	15.0	65																	
	15.0	16.5	65		• 3.0 - 8.2. Variably mottled,															
	16.5	18.0	65		orange brown clays showing															
	18.0	19.5	35		remnant sedimentary laminat-															
	19.5	21.0	95		ions.															
	21.0	22.5	85																	
	22.5	24.0	100		8.2 - 140.0 SILTSTONE															
	24.0	25.5	85																	
	25.5	27.0	85		Distinctive pale and dark grey															
	27.0	28.5	100		colour banded, finely laminated															
	28.5	30.0	95		≤ 3mm, siltstone and very															
	30.0	31.5	95		fine sandstone. Pyrite															
	31.5	33.0	85		alteration, variable distribution															
	33.0	34.5	50		moderate to strong intensity															
	34.5	36.0	0		with very finely crystalline															
	36.0	37.5	90		pyrite. Pyrite as distinct															
	37.5	39.0	100		clasts / clusters / clots located															
	39.0	40.5	85		preferentially parallel to															
	40.5	42.0	85		lamination planes. Local															
	42.0	43.5	85		parallel sets of pyrite filled															
	43.5	45.0	85		microfractures < 0.5mm															
	45.0	46.5	55		@ 56.8 - 60.3															
	46.5	48.0	65		@ 70.9 - 72.0															
	48.0	49.5	35		@ 132.8 - 134.4															
	49.5	51.0	85																	
	51.0	52.5	85		• 13.3 - 17.2 Silicic Alteration.															
	52.5	54.0	100		Pervasive, weak to moderate															
	54.0	55.5	85		intensity with Qtz - Py veinlets															
	55.5	57.0	80		< 3mm. Pyrite is trace & anhedral.															
	57.0	58.5	100																	
	58.5	60.0	100		• 28.4 Diffuse, poorly defined,															
	60.0	61.5	100		Qtz - Py veinlet ≤ 8mm															
	61.5	63.0	100																	
	63.0	64.5	100		• 92.5 - 95.0 Interbed of mid															
	64.5	66.0	95		grey, massive fine sandstone															
	66.0	67.5	95		with silicic alteration															
	67.5	69.0	100		cf 13.3 - 17.2															
	69.0	70.5	85																	
							w m s	w m s	w m s	w m s	w m s									

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DRILL CORE LOG A - NBR3

DEPTH (m)	Core Recovery From	Core Recovery To	Core Recovery %	GRAPHIC LOG	CORE DESCRIPTION	C.B/CV.A C.V.A	ALTERATION Silicic	ALTERATION Phyllic	ALTERATION Prop.	ALTERATION Argillic	ALTERATION Sulphide	SAMPLE ASSAY DATA Sample	From	To	Au	Cu	Pb	Zn	Ag	As
	70.5	72.0	100		•97.1 - 97.2 10cm localised															
	72.0	73.5	95		silica alteration, moderate to															
	73.5	75.0	100		strong intensity accompanying															
	75.0	76.5	80		diffuse Qtz - Felspar - Py vein.															
	76.5	78.0	100																	
	78.0	79.5	95		•99.7 - 99.8 10cm pervasive															
	79.5	81.0	100		chloritisation as selvedge															
	81.0	82.5	95		to qtz - fels - py veinlets															
	82.5	84.0	85																	
	84.0	85.5	85		REDUCTION TO NQ @ 101.10m.															
	85.5	87.0	85																	
	87.0	88.5	100		•113.20 - 113.40 cf. 99.7 - 99.8															
	88.5	90.0	95																	
	90.0	91.5	95		140 - 148 BRECCIA ZONE															
	91.5	93.0	85																	
	93.0	94.5	90		Hydrothermal injection breccia.															
	94.5	96.0	100		Protolith was a fine grained,															
	96.0	97.5	100		medium to dark grey															
	97.5	99.0	100		sandstone now bleached.															
	99.0	100.5	85		Local zone of pervasive															
	100.5	101.1	65		and intense argillic alteration															
	101.1	104.1	100		as a selvedge on the upper															
	104.1	107.1	80		bounding surface of the															
	107.1	110.1	60		zone. Brecciation															
	110.1	113.1	95		characterised by quartz															
	113.1	116.1	75		cemented, angular and															
	116.1	119.1	100		polymictic clasts. (laminated															
	119.1	122.1	95		siltstone and massive dark grey	CBA. 30														
	122.1	125.1	95		sandstone). Qtz - felspar - py															
	125.1	128.1	95		veinlets dominant on lower															
	128.1	131.1	95		bounding surface.	CBA 10														
	131.1	134.1	90																	
	134.1	137.1	100		148 - 166.75 ORE ZONE															
	137.1	140.1	95		-Magnetite rich skarn-	CBA 160														
	140.1	143.1	35																	
	143.1	146.1	65		Mottled, yellowish green															
	146.1	149.1	65		actinolite ?? with clusters of							40001	148	149						
	149.1	152.1	80		granular, euhedral magnetite,							40002	149	150						
	152.1	155.1	80		Local zones of massive, 100%							40003	150	151						
	155.1	158.1	35		volumetric, coarsely, granular							40004	151	152						
	158.1	161.1	85		magnetite, Variable chlorite							40005	152	153						
	161.1	164.1	95		distribution, Pyrite present							40006	153	154						
	164.1	167.1	75		in conjunction with silica							40007	154	155						
	167.1	170.1	35		overprinting as qtz - pyrite							40008	155	156						
	170.1	173.1	100		veinlets ≤ 3mm.							40009	156	157						
	173.1	176.1	90									40010	157	158						
	176.1	179.1	100									40011	158	159						
							w m s	w m s	w m s	w m s	w m s									

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DRILL CORE LOG A - NBR3

DEPTH (m)	Core Recovery From	Core Recovery To	Core Recovery %	GRAPHIC LOG	CORE DESCRIPTION	C.B/CV.A C.V.A	ALTERATION Silicic	ALTERATION Phyllic	ALTERATION Prop.	ALTERATION Argillic	ALTERATION Sulphide	SAMPLE ASSAY DATA Sample	From	To	Au	Cu	Pb	Zn	Ag	As
	179.1	182.1	100		166.75 - 225.6 SANDSTONE							40012	159	160						
	182.1	185.1	90									40013	160	161						
	185.1	188.1	95		Dark grey, very fine grained,							40014	161	162						
	188.1	191.1	100		generally massive, thickly							40015	162	163						
	191.1	194.1	85		bedded with sub-ordinate							40016	163	164						
	194.1	197.1	75		laminated intervals. Pyrite,							40017	164	165						
	197.1	200.1	65		very finely crystalline as							40018	165	166.75						
	200.1	203.1	95		disseminations along fracture															
	203.1	206.1	100		planes.	CBA 25°														
	206.1	209.1	100		• 166.75 - 167.60 Brecciated and															
	209.1	212.1	100		bleached alteration front															
	212.1	215.1	90		on lower bounding surface															
	215.1	218.1	90		in contact with overlying															
	218.1	221.1	85		skarn.															
	221.1	224.1	95																	
	224.1	225.6	95		• Intervals of skarn development,															
	E.O.H				local garnet rich ± coarse															
					granular magnetite ± wollastonite?															
					@ 180.5 - 182.1 (1.6m)															
					@ 184.9 - 186.15 (1.25m)															
					@ 186.65 - (10cms)															
					@ 188.75 - 191.0 (2.35m)															
					@ 191.9 - 192.4 (0.5m)															
					@ 201.05 - 201.4 (35cms)															
					@ 203.45 (10cms)															
					@ 215.00 (10cms)															
							w m s	w m s	w m s	w m s	w m s									

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DRILL CORE LOG B -NBR3

DEPTH (m)	SAMPLE ASSAY DATA						Magnetic Susceptibility	COMMENTS
152.0								CAMERA SHOT - Azimuth unreadable, Inclination 43°

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DRILL CORE LOG B - NBR3

DEPTH (m)	SAMPLE ASSAY DATA						Magnetic Susceptibility	COMMENTS
								Local disruption to bedding @ ORE ZONE
140							0.34	
141							0.57	
142							1.59	
143							6.17	
144							1.39	
145							2.21	
146							2.33	
147							1.25	
148							1.53	
149							376	
150							*	* Denotes reading in excess of meter capability.
151							370	
152							904	

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DRILL CORE LOG B -NBR3

DEPTH (m)	SAMPLE ASSAY DATA						Magnetic Susceptibility	COMMENTS
153							*	* Denotes reading in excess of meter capability
154							817	
155							793	
156							397	
157							*	
158							*	
159							607	
160							*	
161							*	
162							835	
163							*	
164							*	
165							389	
166							*	
167							65.1	
168							0.73	
169							0.79	
170							0.47	