084

The Shell Company of Australia Limited
METALS DIVISION

DRILL LOG SHEET

514084

PROJECT: RIANA

Hole No : NT 3

COLLAR CO-ORDINATES: 1070N 1470E

LOCATION CODE: MQ 04

COLLAR R.L.: 300m

LOCATION: NATONE

MAP/PHOTO REFERENCE: 5441460N 408370E

DATE STARTED	26 11 82	HOLE SIZE		FROM	TO	TOTAL	CORE STORAGE	DEVONPORT
DATE FINISHED	20 12 82	NON CORE	TRICONED	0	5	5m	No OF TRAYS	27
TOTAL DEPTH	269·5m		PERC. HAMMER	5	34	29m	SAMPLE STORAGE	DEVONPORT
LOGGED BY	P.A. RUXTON	CORE	NQ	34	129	95m	ASSAY LAB.	COMLABS
CONTRACTOR	OVERLAND DRILLING CO.		BQ	129	269·5	140·5m	ASSAY REPORTS	DEVONPORT
RIG	WARMAN 250 PERC F 30 DIAM							
DRILL CREW	B. LOVELL	CASING	6" PVC	0	5	5m	MIN. & PET. LAB.	W FANDER
	A. INKSON						MIN. & PET. REPORTS	DEVONPORT
	K. NEWMAN	CASING LEFT						

HOLE SURVEY DATA

INSTRUMENT:

DEPTH	INSTRUMENT INCL.	INSTRUMENT AZ.	ACID ETCH INCL.	ACID ETCH AZ.	REMARKS
COLLAR	-60°	300°			Clino/Compass
152m	-64°	265° (affected)			Eastman Camera
265m	-65°	290°			" "

GRAPHIC/LETTER SYMBOL LOGGING KEY

- S S — TERTIARY SEDIMENT
- H H Ⓗ — Yellow/green Dolomitic limestone - Host rock
- ~ A — Shale / Andalusite-bearing hornfels
- G/W — Grey/white dolomitic limestone + magnetite
- gt — Garnetiferous dolomitic limestone + minor shales.
- M M Ⓜ — Mt/Cc/Po Metasomatic alteration
- Pyrrhotite-rich rock
- Magnetite-rich rock
- Ⓐ — Amphibole alteration
- Ⓓ — Dolomitic
- Ⓒ — Calcite

STRUCTURE / ALTERATION CODE

B	BEDDING	O	OXIDATION
J	JOINTING	Po	PYRRHOTITE
C	CLEAVAGE	Mt	MAGNETITE
F	FOLIATION	Py	PYRITE
sh	SHEARING	Cc	CALCITE
q	QUARTZ VEINS		

DRILLING SUMMARY: NT 3 was drilled to test a combined magnetic and conductive feature close to the margin of the Housetop Granite. Geophysical data and grid mapping suggested an easterly dipping carbonate replacement stratigraphy similar to that intersected in NT 1.

085

5 cm

PROJECT : NATONE SCALE : 1:100

From	To	Inter'l (m)	Core Rec'd	% Recd	Sample No	Grap'c Log	Assays								Magnetic Susceptib		
							Ag	As	Sb	Ni	Co						
0	2	2			9145										300		
						Soil											
2	4	2			9146										350		
						Soil											
4	6	2			9147										50		
						S											
						S											
6	8	2			9148										15		
						S											
						S											
8	10	2			9149										15		
						S											
						S											
10	12	2			9150										15		
						S											
						S											
12	14	2			9151										10		
						S											
						S											
14	16	2			9152										5		
						S											
						S											
16	18	2			9153										5		
						S											
						S											
18	20	2			9154										10		
						S											
						S											
20	22	2			9155										15		
						S											
						S											
22	24	2			9156										5		
						S											
						S											
24	26	2			9157										5		
						S											

51408S

PROJECT : NATONE

086

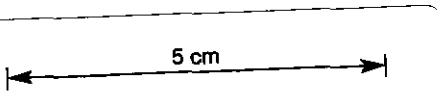
514080

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays Sn	W	Mo	Bi	Cu	Pb	Sn	Au	Magnetic Susceptibility	% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	Alt.	T.S. P.S.	Description
0	2	2			9145										300										SOIL - deep red/brown, mottled clay - weathered basalt soil - haematite staining as pseudomorphs after ferromagnesian minerals
						Soil																			
2	4	2			9146										350										SOIL - brown/khaki silt/mud grainsize unconsolidated soil - relic amygdales.
						Soil																			
4	6	2			9147										50										TERTIARY SEDIMENTS - white silt/sandstone plus free quartz - f.g. granitic origin plus white/brown soap stone/zeolitic clays.
						S																			
						S																			
6	8	2			9148										15										TERTIARY SEDIMENT - White/brown soap/claystone with brown sediment, v. soft drilling.
						S																			
						S																			
8	10	2			9149										15										TERTIARY SEDIMENT - White/brown soap/claystone with qtz fragments plus black haematite specks - (altered basalt)
						S																			
						S																			
10	12	2			9150										15										TERTIARY SEDIMENT - Brown sludge - white/brown clay/soap stone plus altered basalt bole as black/red stained clays.
						S																			
						S																			
12	14	2			9151										10										TERTIARY SEDIMENT - Brown haematite-rich claystone - qtz. chips
						S																			
						S																			
14	16	2			9152										5										TERTIARY SEDIMENT - White/brown claystone chips, v soft, chips 2-3 cm across (large). Quartz chips more common.
						S																			
						S																			
16	18	2			9153										5										TERTIARY SEDIMENT - White/brown claystone 30% fine quartz sand - granite derived.
						S																			
						S																			
18	20	2			9154										10										TERTIARY SEDIMENT - White/brown clay/soapstone with haematitic and limonitic alteration plus quartz sand.
						S																			
						S																			
20	22	2			9155										15										TERTIARY SEDIMENT - Claystone + Am/Lim staining - 2% fine quartz - often in aggregates.
						S																			
						S																			
22	24	2			9156										5										TERTIARY SEDIMENT - Claystone, 30% quartz sand, kaolinized granite clasts (1)
						S																			
						S																			
24	26	2			9157										5										TERTIARY SEDIMENT - Claystone - large chips + 50-60% quartz sand
						S																			

5 cm

HOLE No :

087



PROJECT : NATONE SCALE : 1:100

From	To	Interval (m)	Core Rec'd	% Rec'd	Sample NO	Grap'c Log	Assays								Magnetic Susceptib			
							Ag	As	Sb	Ni	Co							
						s												
26	28	2			9158	s									5			
						s												
28	30	2			9159	s									5			
						s												
30	32	2			9160	s									10			
						s												
32	34	2			9161	s									10			
						s												
34·0	34·3	0·3	0·2	66	29162		<1	34	8	110	30							
34·3	35·8					gt									60			
35·8	37·8				29163		1	42	4	80	38				200			
															150			
						gt												
37·8	39·2				29164		1	34	4	125	22				250			
															150			
39·2	40·6				29165	gt	<1	32	10	150	22							
															45			
40·6	41·8				29166		1	26	6	160	26				70			
						gt												
41·8	43·8				29167		1	38	10	120	22				20			
															20			
						gt												
43·8	45·4				29168		1	50	6	140	22				65			
															150			
45·4	47·3				29169	gt	1	70	10	100	24				85			
															300			
47·3	48·6				29170	gt	1	70	8	105	24							
						- A									200			
						A -												
48·6	49·9				29171		1	42	8	130	22				150			
						gt												
49·9	51·4				29172		1	30	10	105	24				150			(49·8)

5140847

PROJECT: NATONE [redacted] SCALE: [redacted] [redacted]LE N[redacted] NT[redacted]

388 514088

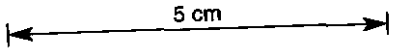
From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Sn	W	Mo	Bi	Cu	Pb	Zn	Au	Magnetic Susceptibility		% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	Alt.	T.S. P.S.	Description
						S																				
26	28	2			9158	S									5											TERTIARY SEDIMENT - Quartz sand with minor claystone chips + Am/Lim alteration. Some kaolinized granite fragments.
						S																				
28	30	2			9159	S									5											TERTIARY SEDIMENT - F.g. quartz sand + claystone fragments and associated Am/Lim.
						S																				
30	32	2			9160	S									10		5%									TERTIARY SEDIMENT - Quartz, blue/white dolomite and assoc. pyrrhotite - Am/Lim staining minor claystones.
						S																				
32	34	2			9161	S									10		10%									TERTIARY SEDIMENT - Quartz + blue/white dolomite and dissem. Po/Py. Po upto 10% - minor clay/soap stone.
						S																				
34.0	34.3	0.3	0.2	66	29162	—	4	<10	6	4	60	22	16													34.0 NQ Diamond Coring
34.3	35.8														60											34.0-34.3 Tertiary Sed. Banded white/brown claystone/mudstone
						gt													<5%							34.3-47.3 Metasomatized dolomitic limestone - highly fractured - bearing pink/red garnets plus green amphiboles (actinolite) plus disseminated Py tr. Po. These alteration minerals occur dominantly along fractures or closely associated to them. Core is highly broken. F.g. green fluorite associated with replacement minerals.
35.8	37.8				29163		8	10	8	4	120	20	20		200											
															150						30°					
						gt																				
37.8	39.2				29164		<4	<10	8	<4	42	20	18		250											34.3-37.8 Broken highly fractured core, amphibole veins and fracture fills common.
															150											
39.2	40.6				29165	gt	<4	<10	16	<4	40	20	18													37.8-39.2 Less broken - less amphibolitic alteration, more Po relative to Py.
															45											
																										39.2-41.8 Less broken core - amphibole alteration rare
40.6	41.8				29166		<4	10	8	<4	50	18	22		70											
						gt															35°					
41.8	43.8				29167		4	15	14	6	48	24	24		20											41.8-45.4 Dolomite partially to totally silicified alteration minerals still present. Garnet replacement particularly forms banding which may or may not reflect original sedimentary layering.
															20											
						gt																				
43.8	45.4				29168		4	10	18	6	34	20	14		65											
															150						50°					
45.4	47.3				29169	gt	8	<10	8	8	40	16	8													45.4-47.3 Highly irregular yellow/green patches of dolomite surrounded by calcite with assoc. Po. Garnets present assoc. with amphibole veining - minor fluorite (?)
															85											
															300											
47.3	48.6				29170	gt	4	15	14	4	50	14	10						<2%		65°					47.3-48.6 Laminated black shale/siltstone bearing elongate prismatic andalusite crystals. Andalusite forms preferentially in finer grained bands - minor assoc. dolomite. Disseminated Po + veins of Py.
						- A									200											
						A -																				
48.6	49.9				29171		4	10	16	6	30	18	22		150											48.6-51.4 Partly silicified dolomitic limestone replacement garnet and Po common.
						gt													<5%							
49.9	51.4				29172		6	<10	6	<4	42	16	16		150	(49.8) PET										

5 cm

HOLE No:

[redacted] PR[redacted]: [redacted]ATO[redacted] [redacted] [redacted] [redacted] SC[redacted] [redacted]D [redacted]

089



From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays								Magnetic Susceptib		
							Ag	As	Sb	Ni	Co	Au					
						gl									200		
51.4	53.2				29173		1	90	8	100	20						
						A -									200		
						- A											
						A -									300		
53.2	54.6				29174		1	290	12	160	36	<0.05					
						- A									350		
						A -											
54.6	55.2				29175	- A	<1	65	4	14	16				30		
55.2	56.5				29176	M	1	4	<4	46	32						
						M									6000		
56.5	56.8				29177		1	4	<4	46	32						(56.1)
56.8	57.0				29178	M	<1	7	4	34	22				2000		
57.0	57.3				29179		1	770	8	65	80	<0.05					
57.3	58.1				29180	H	<1	770	4	50	50				500		
58.1	60.3				29181		1	24	6	46	50						
						H									700		
						H									700		
60.3	62.1				29182		<1	80	4	60	18						
						H									500		
						H									20		
62.1	63.6				29183		<1	110	4	32	18						
						H									200		
63.6	65.5				29184	H	<1	175	12	24	28	<0.05			400		
						H									800		
65.5	65.8				29185		1	10	6	70	80						
65.8	67.3				29186		<1	5	6	12	26				100		
						H											
															15		
67.3	68.6				29187	H	<1	5	10	18	16						
						H									75		
						H											
68.6	69.4				29188	H	<1	2	<4	42	32				800		
69.4	69.8				29189	H	2	12	<4	80	70	<0.05					
69.8	71.4				29190		<1	6	8	24	22				1500		
						H											
						Ⓜ									400		
71.4	72.5				29191	H	<1	18	6	18	10						
						H									700		
72.5	74.9				29192		1	3	6	18	20						
						Ⓜ									900		
						H									30,000		
						Ⓜ											
74.9	76.2				29193		<1	14	4	14	14				2000		

51408 9

PROJECT : NATONE SCALE : 1:100 HOLE No : NT 3

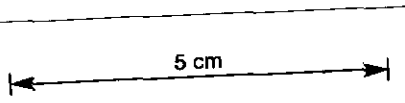
C90

514090

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays Sn	W	Mo	Bi	Cu	Pb	Zn	Au	Magnetic Susceptibility			S.G.	% Estimates Po	Py	Sd	Mt	Core Angles B				Alt.	T.S. P.S.	Description
						gt									200													Py assoc. with veins and fracture fills (less common) Tr fluorite
51.4	53.2				29173	A -	4	10	6	4	48	22	28						<2%				60°					51.4 - 54.6 Black/grey partly dolomitic andalusite bearing shale / siltstone. Disseminated Po common. Vein Po, Py and fluorite
						- A									200	Sg	51.6m	2.7										
						A -									300													
53.2	54.6				29174	- A	<4	<10	18	10	120	14	12		350													5 cm
						A -																						
54.6	55.2				29175	- A	4	<10	<4	6	28	14	18		30													54.6 - 55.2 Yellow/green limestone with euhedral crystals of dark green mica, Po and white calcite forming irregular patches.
55.2	56.5				29176	M	<4	<10	<4	70	220	20	42			Sg	56.2m	3.0										
						M									6000													
56.5	56.8				29177		<4	<10	<4	70	220	20	42				(56:1)	PET										55.2 - 56.8 Euhedral dark green mica, magnetite, Po with infilling white / light green calcite. Minor areas of relic host green/yellow
56.8	57.0				29178	M	<4	<10	<4	12	220	14	18		2000													limestone 55.2 - 55.5 and 56.5 - 56.8 mainly green mica with massive
57.0	57.3				29179		<4	10	<4	32	510	24	60															+ euhedral magnetite dominant inbetween
57.3	58.1				29180	H	8	<10	8	110	260	10	16		500				8%									56.8 - 57.0 Host green/yellow dolomitic limestone + disseminated
58.1	60.3				29181		<4	<10	4	38	580	14	18						25%									Po and vein magn.
						H									700													57.0 - 57.3 V irregular layering of magnetite and Po in host dolomitic
						H									700													limestone
60.3	62.1				29182		<4	<10	10	40	60	12	20						5%									57.3 - 72.5 Green/yellow pale dolomitic limestone - contains dissem.
						H									500													Po upto 40% of rock. A white calcite may be assoc. with Po-rich
						H									20													areas. Irregular cross-cutting patches of magnetite, calcite (white)
62.1	63.6				29183		<4	<10	4	28	100	10	12			Sg	63.0m	3.2	5%									and Po present (3 in all) Patches of amphibolitic veining (core
						H									200													broken in these areas)
																												60.3 + 61.7 15 cm (x2) black amphibolitic alteration zones - irregular
63.6	65.5				29184	H	<4	15	<4	36	195	12	22		400				8%									outline = rock v. broken.
						H									900													60.3 - 61.2 amphibole veins and irregular patches common.
65.5	65.8				29185		<4	<10	<4	10	790	20	38						55%			40%						65.0 - 65.2 Patch of magn/calcite. Po - cross cutting (distinct zone 35% Po)
65.8	67.3				29186		6	<10	<4	4	60	10	10		100				5%									65.5 - 65.8 Zone of Po/magn. 50-60% Po - 30 to 40% magnetite minor
						H																						white calcite.
															15													
67.3	68.6				29187	H	<4	<10	<4	<4	130	10	14						5%									
						H									75													
						H																						
68.6	69.4				29188	H	6	<10	4	<4	500	12	28		300				35%									68.6 - 69.4 Disseminated Po common - averages 35%
69.4	69.8				29189	H	<4	10	4	6	1600	24	80						75%									69.4 - 69.8 Po - rich zone - sharp contacts. Massive Po upto 90%
69.8	71.4				29190		<4	10	4	<4	160	10	16		1500				15%									average 75% 2% chalcopyrite
						H																						
						M									400													
71.4	72.5				29191	H	4	<10	<4	<4	70	8	20						15%									
						H									700													72.1 - 72.25 Magnetite / calcite / Po irregular cross-cutting patch 60%
72.5	74.9				29192		12	<10	<4	<4	80	26	34						8%			45%						Mg. 20% Po, 20% Cc.
						M									900													72.5 - 89.1 Predominantly of magnetite / Po / calcite patches / bands /
																												intersections (upto 60% of unit) with relic green/yellow dolomitic
						H									30,000													limestone patches. The former alters and replaces the latter.
						M										Sg	74.4m	2.8										Mag/Po/Cc alteration zones contain different %'s of these
74.9	76.2				29193		<4	<10	<4	4	130	10	10		2000				10%			0%						

HOLE No :

091



PROJECT: [redacted] ZONE [redacted] SCALE 1: [redacted]

From	To	Interval (m)	Core Rec'd	% Rec'd	Sample NO	Grap'c Log	Assays							Magnetic Susceptibility
							Ag	As	Sb	Ni	Co	Au		
						H								
						H								200
76·2	77·0				29194	M	<1	<2	8	12	18			7500
77·0	78·5				29195		<1	28	10	20	14			
						H								900
78·5	79·8				29196	H	1	24	6	22	26			
						M								0·5
79·8	80·5				29197	M	<1	7	<4	10	18			5500
						H								
80·5	81·7				29198		<1	9	<4	6	12			2000
						H								
81·7	83·5				29199	M	<1	55	6	16	20			650
						M								2000
83·5	84·0				29200		2	26	10	70	50	<0·05		
														4500
84·0	85·9				29201	H Ⓜ	<1	185	10	20	24			2500
						H Ⓜ								
85·9	86·4				29202		<1	30	6	28	26	<0·05		4000
86·4	87·2				29203		1	380	6	32	28			
						M								850
87·2	89·1				29204	M	<1	135	8	12	20			
						H Ⓜ								950
						H								900
89·1	90·1				29205	H Ⓜ	1	980	<4	48	30			2000
90·1	90·7				29206	H	1	980	<4	48	30			
90·7	91·2				29207		1	980	<4	48	30			1000
91·2	92·0				29208		1	930	8	80	50			(90·9)
92·0	93·6				29209	H	1	200	65	120	34	<0·05		1500
														500
93·6	96·0				29210	H	<1	220	14	70	22	<0·05		2500
						H								95
						H								250
96·0	97·6				29211	H Ⓜ	<1	520	<4	40	22			200
						H								
97·6	99·1				29212	M	<1	270	<4	24	30			1500
						M								1500
99·1	101·1				29213	M	<1	140	4	18	24			60

5140911

PROJECT : NATONE

092

From	To	Inter's (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays Sn	W	Mo	Bi	Cu	Pb	Zn	Au	Magnetic Susceptibility	% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	Alt.	T.S. P.S.	Description
						H									200										minerals plus minor fluorite (flouresces pale blue/yellow) + minor amphibole (?)
76.2	77.0				29194	H	<4	<10	<4	<4	24	24	50			<2%			55%						72.5 - 74.9 predominantly Mt/Po/Cc + relic Dolomitic limestone.
77.0	78.5				29195	M	6	<10	<4	6	120	14	22		7500	10%			5%						74.9 - 76.2 Dolomitic limestone + disseminated Po.
						H									900										76.2 - 77.0 Mt/Po/Cc alteration tr. fluorite (?) + calc-silicate minerals.
78.5	79.8				29196	H	50	<10	<4	14	170	28	32		0.5	5%			30%						77.0 - 78.5 Dol. lst. + dissem. Po + amphibolitic veins and fracture-fills towards base of unit.
						M									5500										78.5 - 79.8 Mt/Po/Cc in diff. prop. Po at top then magn. followed by a calcite-rich portion with euhedral magnetite grains + calc-silicate green minerals.
79.8	80.5				29197	M	16	<10	<4	<4	<2	26	18		2000	1%			2%						79.8 - 80.5 Predominantly Cc + calc-silicate mins. + Po & minor Mg.
						H									650										80.5 - 81.7 Irregular alteration of magn. (minor Po/Cc) of dol. lst. - 50:50 in this interval + calc-silicate. minerals.
80.5	81.7				29198		<4	10	<4	<4	14	16	18		2000	2%			40%						81.7 - 83.5 Predom. Mt/Po/Cc - 30cm of massive Po (80%) at 81.9.
						H																			
81.7	83.5				29199	M	10	10	<4	<4	160	24	34		2000	20%			35%						
						M																			
83.5	84.0				29200		4	<10	<4	36	890	60	75		Sg 83.8m 4:3	90%			5%						83.5 - 84.0 Massive Po zone minor Cc + calc-silicate minerals acicular fluorite?
84.0	85.9				29201	H (M)	4	<10	<4	<4	110	24	50		4500	8%			20%						84.0 - 85.9 Irregular alteration zones of Mt/Po/Cc in dolomitic lst. Minor amph. alteration. 84.7.
						H (M)									2500										85.9 - 87.2 Predom. Mt/Po/Cc replacement - Mg dominant.
85.9	86.4				29202		32	<10	4	<4	60	22	50		4000	8%			60%						
86.4	87.2				29203		10	<10	<4	12	20	60	38												
						M									950										
87.2	89.1				29204	M	8	<10	<4	12	18	28	34			2%			25%						87.2 - 89.1 Dom. Mt/Po/Cc alteration + green fluorite/calc-silicate minerals (?)
						H (M)									950										
						H									900										
89.1	90.1				29205	H (M)	10	<10	6	16	360	30	90		2000	8%			35%						89.1 - 90.1 Mt/Po/Cc alteration - well defined layering - could easily be mistaken for bedding. Calc-silicate minerals + fluorite. Some euhedral Mg. Po + green mica - Py assoc. with amph. veining.
90.1	90.7				29206	H	10	<10	6	16	360	30	90		1000	20%			2%						91.0 - 92.0 Green dolomitic limestone with dissem. Po (20% Po)
90.7	91.2				29207		10	<10	6	16	360	30	90		(90.9) PET.										
91.2	92.0				29208		10	<10	8	38	480	24	40												
92.0	93.6				29209	H	<4	10	30	105	370	20	18		1500	8%			25%						92.0 - 93.6 Black massive shale with veins and fractures of pyrrhotite (no preferred orientation). Shale contains f.g. magnetite (ie. magnetic)
						- -									500										
						- -																			
						- -																			
93.6	96.0				29210	H	12	<10	6	14	230	22	16		2500	20%			2%						93.6 - 97.6 Green calc-silicate bearing dolomitic limestone - dissem. Po common - amphibolite alteration veins and areas.
						H									95										93.6 - 96.0 amph. alteration common.
						H									250										
96.0	97.6				29211	H (M)	12	<10	4	55	155	16	70		200	15%			2%						96.0 - 97.6 Two veins/patches of Mt/Po/Cc - 10cm across each - they contain fluorite + silver colour, v. soft sulphide - molybdenite? (too soft for arsenopyrite)
						H																			
97.6	99.1				29212	M	10	<10	<4	14	50	36	24		1500	8%			25%						97.6 - 102.7 Grey recrystallized dolomitic limestone with 60% replacement by Magn/Cc/Po and calc-silicate minerals.
						M									1500										97.6 - 99.1 Green/yellow dol. lst. with Magn/Cc/Po alteration.
99.1	101.1				29213	M	12	<10	<4	4	16	26	10		60	5%			20%						

5 cm

HOLE No :

093

5 cm

PROJ[redacted]: [redacted] ONE[redacted] [redacted] [redacted] [redacted] SCA[redacted]: 1:100

From	To	Inter'l (m)	Core Rec'd	% [illegible]	Sample No	Grap'c Log	Assays								Magnetic Susceptibili		
							Ag	As	Sb	Ni	Co	Au					
						M											
						M									400		
101·1	102·7				29214		<1	930	10	24	42						
						M									650		
						M											
102·7	103·0				29215	H	<1	450	6	16	20				65		
103·0	103·9				29216	M	<1	145	<4	20	18						
103·9	104·9				29217	M	<1	34	6	42	30				5000		
						H											
104·9	105·9				29218	Ⓐ	1	110	8	100	90				1000		
105·9	107·3				29219		1	40	10	70	60	<0·05			1000		
															700		
107·3	108·8				29220		1	40	10	70	60	<0·05					
															0·5		
108·8	109·2				29221	H	1	28	16	115	100	<0·05			0·5		
109·2	110·7				29222		2	5	<4	46	38	<0·05					
															0·5		
110·7	111·3				29223		<1	26	10	32	26						
111·3	111·5				29224	H	1	3	<4	38	34				2000		
111·5	113·3				29225	H	1	38	6	30	32						
						H									4000		
						H											
113·3	115·3				29226	H	1	38	6	30	32				10000		
						H ✱									0·5		
						✱ H											
115·3	116·0				29227	Ⓐ ✱	1	<2	6	30	24				40000		
						✱											
116·0	118·2				29228		1	30	8	34	26				0·5		
						H Ⓐ											
						H									6500		
						H											
118·2	119·2				29229	Ⓐ H	2	24	<4	70	46				80000		
119·2	119·5				29230	H	2	24	<4	70	46				0·5		
119·5	122·4				29231		1	24	8	22	20						
						H									500		
						Ⓜ											
						H									1500		
						Ⓜ											
						H									3000		(121.
122·4	123·6				29232		<1	20	8	24	30						
						H									75000		
123·6	125·1				29233	H	1	60	<4	60	60				70000		
						✱											
						✱									0·5		

514093

PROJECT : NATONE 094 SCALE : 1:100 HOLE No : NT [redacted]

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Sn	W	Mo	Bi	Cu	Pb	Zn	Au	Magnetic Susceptibility				% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	Alt.	T.S. P.S.	Description
						M												S.G										514094
						M									400													99.1 - 102.7 Grey dol. lst + alteration of Mt Cc + minor Po
101.1	102.7				29214		12	<10	<4	16	20	26	24		650													5 cm
						M																						
						M																						
102.7	103.0				29215	H	<4	10	4	8	4	14	12		65				<2%			<2%						102.7 - 103.0 Green/yellow dolomitic limestone
103.0	103.9				29216	M	10	10	<4	14	28	26	38						5%			25%						103.0 - 103.9 Mt/Cc + minor Po, calc-silicate minerals some euhedral magnetite
103.9	104.9				29217	M	10	<10	<4	4	200	28	28		5000									30°				103.9 - 128.0 Zone of intense Fe alteration with magnetite abundant with disseminated Po common. Altered zones contain Mt/Po/Cc + minor
						H																						calc-silicate minerals - form very irregular patches. Host carbonate
104.9	105.9				29218	Ⓐ	<4	<10	4	8	520	20	20		1000				60%			2%						dominantly yellow/green dolomitic limestone - Yellow/buff recrystallized
															1000	Sg	106.5	m3.9	65%			2%						calcite common (also in veins); Amphibolitic veins common
105.9	107.3				29219		14	20	8	<4	210	26	110															103.9 - 104.9 Green dolomite limestone with disseminated Po
															700													104.3 - 104.8 extensive amphibole/Pyrite veining - broken core
107.3	108.8				29220														10%			75%						104.9 - 107.3 Po rich zone - minor dol. Cc Mt, trace amph veins.
															0.5													107.3 - 108.8 Mt-rock minor cc, po & relic dol. lst.
108.8	109.2				29221		<4	<10	<4	6	70	26	80		0.5				15%			20%						108.8 - 109.2 Yellow/green dol. limestone, 20% diss Pb, extensive
109.2	110.7				29222		24	<10	6	<4	20	26	80						2%			95%						amph. veining + f.g. Mt
															0.5													109.2 - 110.7 Mt rock (90% Mt) white Cc + Po + dol
110.7	111.3				29223		<4	<10	4	4	26	14	60			Sg	110.0	m4.2	3%			5%						110.7 - 111.3 as 108.0 - 109.2
111.3	111.5				29224	H	24	10	4	8	34	24	70		2000				2%			80%						111.3 - 111.5 Mt rock (80% Mt) + Cc + Tr Fluorite
111.5	113.3				29225	H	4	<10	<4	8	70	22	60						20%			20%						111.5 - 113.3 Yellow/green dol. (15%) replaced by recryst. white/grey
						H									4000													calcite + Mt and Mt + Po patches. 112.4 10cm of Po (75%)
						H																						
113.3	115.3				29226	H	4	<10	<4	8	70	22	60		10000				35%			30%		30°				113.5 - 115.3 Yellow/green dolomite with diss. Po + Mt. Tr calc-silicate
																								5°				minerals. Amph./Mt veining common
						H ✱									0.5													
						✱ H																						
115.3	116.0				29227	Ⓐ ✱	4	<10	<4	<4	20	26	70		40000				10%			80%		30°				115.3 - 116.0 Mt rich rock minor host dolomite
						✱																						
116.0	118.2				29228		4	<10	<4	<4	26	24	70		0.5				10%			40%						116.0 - 118.2 Extensively altered yellow/green dolomitic lst. dominantly
						H Ⓐ																						Mt/Po + numerous late Amph/Mt(?) veins
						H									65000													
						H																						
118.2	119.2				29229	Ⓐ H	8	15	6	<4	130	46	120		80000				5%			60%		60°				118.2 - 119.2 Mt-rich section replacing host
119.2	119.5				29230	H	8	15	6	<4	130	46	120		0.5				40%			50%						119.2 - 119.5 Po + Mt rich section
119.5	122.4				29231		8	<10	<4	4	44	22	34						5%			20%						119.5 - 122.4 Yellow/green host dolomitic lst replaced mainly by white/grey
						H									500													recrystallized calcite + assoc. Mt & minor Po - much lighter colour in
						Ⓜ																						relation to dirty brown/black/yellow of this general intersection
						H									1500													(103.9 -) Metasomatic banding developed at 122.0 ie Y/G dol. lst. +
						Ⓜ																						white cc + Mt (1cm)
						H									3000		(121.9)	PET										
122.4	123.6				29232		6	<10	<4	4	80	20	30						5%			20%						122.4 - 123.6 Yellow/green/brown dirty colour metasomatized
															15000													dolomitic lst - typical of this general subdivision.
						H																						
123.6	125.1				29233	✱	14	10	4	10	540	28	80		70000				2%			50%						123.6 - 125.1 Mt-rich altered metasomatic dolomitic lst.
						✱									0.5													

095

5 cm

PROJECT : NATONE SCALE : 1:100

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays						Magnetic Susceptib	
							Ag	As	Sb	Ni	Co	Au		
125.1	128.0				29234		1	70	22	44	30	<0.05		
													0.5	
														(126.0)
						H							0.5	
													600	
128.0	128.9				29235	M H	<1	65	8	42	28			
128.9	130.9				29236		<1	4	8	18	16		2000	
						H								
						M							2000	
130.9	133.6				29237	H	<1	10	8	12	18		2000	
													2000	
													1000	
133.6	133.9				29238		1	6	10	26	20		0.5	
133.9	134.7				29239		3	100	12	60	55	<0.05		
						H							3000	(134.7)
134.7	135.3				29240		3	100	12	60	55	<0.05		
135.3	136.3				29241		3	100	12	60	55	<0.05	20000	
136.3	138.0				29242		1	40	10	12	20			
						G/W							2000	
						G/W							600	
138.0	140.2				29243		1	14	4	10	20			
						G/W							2500	
						G/W							300	
140.2	141.3				29244		1	290	8	14	18			
						G/W							400	
141.3	141.7				29245	H	1	290	8	14	18			
141.7	142.4				29246		1	250	8	70	22		60	
142.4	143.3				29247		1	40	10	70	14			
						gt							90	
143.3	146.5				29248		1	28	12	100	14			
						gt							70	
						gt								
						A							100	
						gt							150	
146.5	148.7				29249		1	28	12	100	14			
						gt							200	
						A							250	
148.7	150.7				29250	D	1	22	6	95	16		200	
						A								
						A							200	

5140095

PROJECT : NATONE SCALE : 1"=100 HOLE No : N[redacted]

096

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays Sn	W	Mo	Bi	Cu	Pb	Zn	Au	Magnetic Susceptibility			S.G.	% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	All.	T.S. P.S.	Description
125.1	128.0				29234		18	20	4	6	250	30	80						5%			85%						125.1 - 128.0 Mt rich rock - minor altered dol. 1st. 85% Mt + Cc & Po minor Py veining + more extensive amph. veining.
															0.5		(126.0)	PET									
						H									0.5												5 cm
128.0	128.9				29235	M	4	<10	8	4	100	8	36		600	Sg	127.8	m 3.8	5%			<2%					128.0 - 141.7 Yellow/green host dol. limestone with irregular patches and intersections of Mt/Po/Cc alteration. Host dol. 1st. less 30% of section.
128.9	130.9				29236	H	14	<10	<4	4	14	12	76		2000				5%			15%					128.0 - 128.9 Yellow/green dol. 1st. with diss. Po - especially in top 30cm + Calc-silicate minerals.
						H									2000												129.0 - CHANGED TO BQ core
						M																					
130.9	133.6				29237	H	10	<10	<4	4	30	22	30		2000				5%			20%					128.9 - 133.6 Dom. Mt/Cc white/black rock replacing yellow/green dolomite. Minor Po, minor amph./Cc veining.
															2000	Sg	131.4	m 3.2									
															1000												
133.6	133.9				29238		22	<10	<4	8	110	24	50		0.5				15%			50%					133.6 - 133.9 Mt-rich replacement zone + Po
133.9	134.7				29239		6	10	4	<4	550	20	42						75%			20%					133.9 - 134.7 Po.-rich zone with Mt + Po + white Cc
						H									3000		(134.7)	PET									
134.7	135.3				29240		6	10	4	<4	550	20	42						10%			5%					
135.3	136.3				29241		6	10	4	<4	550	20	42		20000	Sg	135.8	m	75%			10%					135.3 - 136.3 Po rich zone + Mt + Cc (white)
136.3	138.0				29242		<4	<10	<4	<4	8	30	34						<2%			5%					136.3 - 140.2 Grey/white limestone recrystallized - minor Mt/Cc/Po irregular replacement
						G/W									2000												
						G/W									600												
138.0	140.2				29243		4	<10	<4	8	10	18	10		2500				<2%			5%					
						G/W									300												
						G/W										Sg	140.6	m 2.8									
140.2	141.3				29244		10	<10	<4	12	40	16	24		400				10%			30%					140.2 - 141.3 Dom. Mt/Cc/Po replacement
						G/W																					
141.3	141.7				29245	H	10	<10	<4	12	40	16	24						Tr			Tr					141.3 - 141.7 White/green f.g. dolomite - minor Cc veins
141.7	142.4				29246		10	10	8	4	150	10	14		60				7%			Tr					141.7 - 142.4 Black shale with andalusite crystals, not bedded. Po patches
142.4	143.3				29247		<4	<10	10	<4	32	10	18						2%			Tr					142.4 - 143.3 Dolomitic black shale - Garnet (red f.g.) + calc-silicate minerals + Py veins often bedded
						gt									90												
143.3	146.5				29248		<4	<10	12	4	26	20	18						Tr			Tr					143.3 - 146.5 Banded (bedded) dolomite and black shale siltstone units. Dolomite layers contain some red garnet + Cc - Black shales occasionally contain andalusite
						gt									70												
						gt									100								40°				
						A																					
						gt									150								40°				
146.5	148.7				29249		<4	<10	12	4	26	20	18						Tr			Tr					146.5 - 148.7 As in 143.3 - 146.5 but more black and bearing shales
						gt									200								40°				
						A									250									10°			
148.7	150.7				29250	D	4	10	10	4	42	18	14		200				2%			Tr		15°			148.7 - 176.5 Bedded black andalusite bearing shales and siltstones. Andalusite forms more prolifically in finer black shales. Po veins + fracture fills present - assoc. with white calcite
						A																	30°				
						A									800												

SHEET 6 OF 11 SHEETS

097

5 cm

PROJECT : NATONE

SCALE : 1:100

From	To	Interval (m)	Core Rec'd	% Recd	Sample No	Graph'c Log	Assays Ag	As	Sb	Ni	Co	Magnetic Susceptib
						D						
150.7	152.7				29251		1	40	6	105	16	150
						- A						
						A -						200
						- A						
152.7	155.4				29252		2	32	10	90	16	350 (152.5)
						A -						
						- A						700
						A -						
						- A						200
155.4	158.5				29253		2	32	10	90	16	
						A -						200
						- A						
						A -						150
						- A						
						A -						200
158.5	161.5				29254	- A	2	32	10	90	16	
						A -						200
						- A						
						A -						250
						- A						
						A -						300
161.5	163.5				29255	- A	1	24	<4	90	14	
						A -						200
						- A						
						A -						400
163.5	166.5				29256	- A	1	48	12	130	16	
						A -						200
						- A						
						A -						300
						- A						
						A -						200
166.5	169.6				29257	- A	1	48	12	80	16	
						A -						350
						- A						
						A -						300
						- A						
						A -						95
						- A						
169.6	171.0				29258	A -	2	36	8	70	14	300
						(D)						
						A -						250
171.0	173.4				29259	A -	1	38	6	70	14	
						(D) A						250
						A -						
						A (D)						100
173.4	176.5				29260	- A	1	38	6	70	14	
												200
						A (D)						
						- A						200

51409

PROJECT : NATONE SCALE : 1:100 HOLE No : NT 3

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays Sn	W	Mo	Bi	Cu	Pb	Zn	Au	Magnetic Susceptibility			S.G.	% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	Alt.	T.S. P.S.	Description
						D									150												Bedding 0.5-5cm thickness. Bedding maybe disturbed. Rare amphibole + pyrite fracture fills. Core more broken than above. Minor dissem. Po in shales/siltstones.
150.7	152.7				29251		8	<10	18	<4	40	14	12						2%			Tr						
						- A									200													
						A -																						
						- A									350		(152.5)	PET	2%			Tr	40°	70°				
152.7	155.4				29252		<4	<10	10	<4	38	14	12															
						A -									700													
						- A																						
						A -									200													
						- A																						
155.4	158.5				29253		<4	<10	10	<4	38	14	12						2%			Tr	30°					
						A -									200													
						- A																						
						A -									150													
						- A																						
						A -									200									40°				
158.5	161.5				29254	- A	<4	<10	10	<4	38	14	12			Sg	158.6	m 2.9	2%			Tr	55°					
						A -									200													
						- A																						
						A -									250													
						- A																						
						A -									300													
161.5	163.5				29255	- A	6	<10	14	<4	30	14	12						2%			Tr						163.5-176.5 Core very broken - drilling extremely slow.
						A -									200								45°					
						- A																						
						A -									400													
163.5	166.5				29256	- A	6	<10	24	<4	36	14	12						2%			Tr						
						A -									200													
						- A																						
						A -									300													
						- A																						
						A -									200													
166.5	169.6				29257	- A	6	<10	24	<4	36	14	12						<2%			Tr						
						A -									350													
						- A																						
						A -									300													
						- A																						
						A -									95								50°					
						- A																		25°				
169.6	171.0				29258	A -	<4	<10	8	<4	36	14	10		300				5%			Tr	25°					169.6 - 173.4 Shales dolomitic - Po content increased - Po replacement along bedding.
						Ⓓ																						
						A -									250													
171.0	173.4				29259	A -	4	<10	10	4	80	10	8		250													
						Ⓓ A																						
						A -									100													
						A Ⓓ																						
173.4	176.5				29260	- A	4	<10	10	4	80	10	8		200										35°			173.4 - 176.5 Shales partly dolomitic highly fractured & disturbed - bedding rare - sheared minor amphibolitic - some dolomitic fracture fills + Py veins.
						A Ⓓ																						
						- A									200								30°					

514098

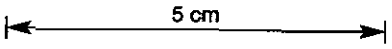
5 cm

HOLE No :

SHEET 7 OF 11 SHEETS

099

PROJECT : [redacted]



From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays							Magnetic	Suscept
							Ag	As	Sb	Ni	Co	Au			
						A D									
						~ A								260	
176.5	177.8				29261	A D	1	9	12	32	16				
						H								90	
						H A									
177.8	179.7				29262	H	1	230	14	36	16			40	
						gt D									
														35	
						D gt									
179.7	181.8				29263		1	380	22	110	16	<0.05		200	
						H									
						H								250	
						H									
181.8	182.3				29264	D A	1	510	18	220	14	<0.05		200	
182.3	182.7				29265	A ~	1	7000	65	140	24	<0.05			
182.7	183.0				29266		1	2100	24	90	18	<0.05		250	
183.0	184.5				29267	gt D	1	2100	24	90	18				
184.5	186.2				29268		1	1000	10	170	14			200	(183.7
						D gt									
						D								200	
						A ~									
						~ A								200	
186.2	187.6				29269		3	600	8	80	14				
						A ~								250	
						~ A									
187.6	189.0				29270	A ~	2	930	14	180	32			200	
						~ A									
						A ~								250	
189.0	190.7				29271	H A	1	110	<4	80	32				
														250	
						H									
190.7	191.0				29272		2	7300	10	130	500	<0.05		900	
191.0	191.5				29273	H	2	28	8	50	60				
191.5	191.9				29274		2	28	8	50	60			2000	
191.9	192.9				29275	H	1	50	8	50	30				(191
192.9	193.5				29276		1	36	12	40	50			600	
193.5	194.7				29277		1	36	12	40	50				
						A								1500	
						M H									
194.7	196.2				29278	H	1	14	<4	48	70			500	
						H M									
						M H								90	
196.2	197.2				29279		1	9	<4	26	26				
						H								300	
197.2	198.6				29280		1	10	10	12	18				
						H								400	
						M									
198.6	198.9				29281		3	70	<4	70	135			700	
198.9	200.9				29282	H	2	30	8	38	60				
														4000	

31409

PROJECT : NATONE SCALE : 1:100 HOLE No : NT3

514100

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays Sn	W	Mo	Bi	Cu	Pb	Zn	Au	Magnetic Susceptibility			S.G	% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	Alt.	T.S. P.S.	Description
						A Ⓓ																					
						- A									260												
176.5	177.8				29261	A Ⓓ	10	<10	<4	65	110	8	40														176.5-177.8 Amphibolitic alteration zone - rock upto 90% amph. minor Cc veins & fracture-fills - Po not uncommon 177.1-177.3 Cc rich zone with green mica/Po/calc-silicate minerals, Tr Fluorite.
						H									90												
						H Ⓐ																					
177.8	179.7				29262	H	20	10	6	100	18	20	140		40				2%			2%					177.8-179.7 Garnet rich zone - blue/pale green dolomite with crystalline red garnet masses - minor calcite - top 30cm contain dolomite/calc-silicate minerals + magnetite + dark green mica/Po + minor amphibole veining towards base (Contact 35°)
						gt Ⓓ									35												
						Ⓓ gt																	30°				
179.7	181.8				29263		<4	10	8	4	210	6	8		200				5%			Tr					179.7-183.0 Dark grey shale/siltstone - uniform minor andalusite + Pb. Minor amph + calcite veins.
						H																					179.7-181.8 Partly dolomitized
						H									250												182.7-183.0 " "
						H																					
181.8	182.3				29264	D A	6	<10	30	10	240	6	10		200				2%								183.0-184.5 Garnet rich zone (~40% red Gt) in yellow/green dolomitized limestone + calc-silicate minerals. Amphibole veining common.
182.3	182.7				29265	A -	4	10	24	32	370	6	6														
182.7	183.0				29266	- A	8	10	10	16	190	6	10		250	Sg	183.7	m 2.6									
183.0	184.5				29267	gt Ⓓ	8	10	10	16	190	6	10														
184.5	186.2				29268		8	<10	24	<4	80	6	10		200		(183.7)	PET									184.5-189.0 Andalusite-bearing black/grey siltstone/shale dissem. + irregular fracture-fills of Po
						Ⓓ gt																					187.6-189.0 Highly broken and fractured black shale. Minor dolomite Cc veining.
						Ⓓ									200								50°				
						A -																					
						- A									200												
186.2	187.6				29269		4	<10	8	4	90	8	4														
						A -									250												
						- A																					5 cm
187.6	189.0				29270	A -	<4	<10	26	22	120	6	6		200												
						- A																					
						A -									250												
189.0	190.7				29271	H Ⓐ	<4	15	10	8	340	4	10						8%			0%					189.0 - Yellow/green dolomitic limestone with metasomatic alterations of Po/Mt + Cc - fractures/veining common essentially of Cc + amphibole
						H									250												
190.7	191.0				29272		<4	<10	16	6	1400	16	50		900				15%			2%					189.0-190.7 Y/G dol. lst + minor shale interludes - dissem Po common
191.0	191.5				29273	H	<4	<10	10	<4	540	10	30						85%			5%					190.7-191.0 Po-rich section + Mt and amph.
191.5	191.9				29274		<4	<10	10	<4	540	10	30		2000				50%			20%					191.0-191.5 Y/G dol. lst + amph. alteration, blue/green amphibole/Fluorite
191.9	192.9				29275	H	<4	10	6	8	320	<4	12				(191.8)	PET	10%			0	80°				191.5-191.9 Po + Mt rich zone - with Y/G dol. lst.
192.9	193.5				29276		10	<10	8	<4	370	10	44		600				55%			10%	10°				191.9-192.9 Altered Y/G dol. lst. Amph. veins common + Py.
193.5	194.7				29277		10	<10	8	<4	370	10	44			Sg	193.3	m 3.8	10%			10%	20°				192.9-193.5 Po-rich zone - altering host dol. lst + Mt + Tr crystalline white calcite.
						Ⓐ									1500												
						Ⓜ H																					193.5-196.2 Metasomatised dol. lst - irregular replacement zones of Po/Mt/Cc + dark green mica, Tr calc-silicate minerals. Replacement zones centred on fractures.
194.7	196.2				29278	H Ⓜ	6	<10	10	<4	550	18	110		500				10%			5%					
						Ⓜ H									90												
196.2	197.2				29279		6	15	4	<4	220	8	30						3%			2%					196.2-198.6 Yellow/green dol. lst + replacement by Mt/Cc + minor Po few calc-silicate minerals - minor grey crystalline calcite - recrystallized rock.
						H									300												
197.2	198.6				29280		10	<10	<4	<4	110	8	22						<2%			5%					
						H									400												
						Ⓜ																					
198.6	198.9				29281		4	<10	8	<4	950	24	30		700				70%			10%					198.6-198.9 Po-rich rock with assoc. Cc + Mt.
198.9	200.9				29282	H	4	20	10	6	600	26	32						3%			2%					198.9-200.9 Metasomatized yellow/green dol. lst
															4000												

HOLE No :

101

5 cm

PROJECT : NATONE SCALE : 1 100

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays								Magnetic Susceptibil		
							Ag	As	Sb	Ni	Co						
						H Ⓐ											
200.9	201.5				29283		2	30	8	38	60				1000		
201.5	204.3				29284	Ⓐ H	1	14	4	24	30				8000		
						H											
						Ⓐ H									5000		
						H											
						H									450		
204.3	204.7				29285		2	60	10	38	55	<0.05					
204.7	206.0				29286	H Ⓐ	2	2050	12	42	50	0.10			3000		
						H									1000		
206.0	207.0				29287		2	2050	12	42	50	0.10					
															3000		
207.0	208.1				29288		2	3950	16	44	95	<0.05					
															1500		
208.1	210.2				29289		1	16	<4	16	12						
						M									800		(208.9)
						M											
						M									500		
210.2	212.1				29290		1	12	<4	12	12						
						M									90		
						M											
						M									900		
212.1	214.3				29291		1	8	4	12	12						
						M									150		
						Ⓗ											
						M									300		
214.3	216.3				29292	Ⓗ	1	16	4	24	20						
															600		
															300		
216.3	219.1				29293		2	30	90	10	14	<0.05					
						G/W									2500		
						G/W									300		
						G/W									400		
219.1	219.7				29294		1	70	8	18	20						
219.7	222.1				29295		1	70	8	18	20				200		
						G/W											
															15		
						G/W											
															50		
222.1	222.8				29296	M	1	6	6	20	20						
222.8	225.0				29297		1	18	4	14	14				100		
						G/W											
															300		
						G/W											

514101

PROJECT: NATONE SCALE: 1:100 HOLE No: NT3

102

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Graph't Log	Assays Sn	W	Mo	Bi	Cu	Pb	Zn	As	Magnetic Susceptibility			S.G.	% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	All.	T.S. P.S.	Description
200.9	201.5				29283	H Ⓐ	4	20	10	6	600	26	32		1000				55%			35%						200.9 - 201.5 Po - Mt-rich zone minor Cc/amphibole
201.5	204.3				29284	Ⓐ H H	6	<10	4	<4	400	18	20		8000	Sg	201.6	m 3.8	5%			5%						201.5 - 204.3 Yellow/green metasomatized dol. lst with Po/Mt alteration. Minor amph/Cc veining.
						Ⓐ H H									5000												
						H									450												
204.3	204.7				29285		10	<10	10	32	570	22	40		3000				30%			30%						204.3 - 204.7 Mt/Po-rich zone replacing yellow/green dol. lst.
204.7	206.0				29286	H Ⓐ H	<4	<10	10	210	620	20	30		1000				10%			2%	30°	30°				204.7 - 206.0 Yellow/green dol. lst. with patchy Po + common amphibole veining and alteration. Core broken.
206.0	207.0				29287		<4	<10	10	210	620	20	30		3000				30%			40%						206.0 - 208.1 Mt/Po-rich zone with minor relic yellow-green dol. lst. - Amphibole alteration and veining.
207.0	208.1				29288		<4	<10	14	14	660	26	38		1500	Sg	207.1m (207.9)	3.6 PET	35%			50%						
208.1	210.2				29289	M	6	<10	4	<4	22	20	36		800		(208.9)	PET	2%			40%	15°					208.1 - 212.1 Finely banded white Cc + f.g. magnetite banding 1cm to 0.1cm Banding appears uniform but on a fine scale, often irregular - May be disturbed by later Cc/Po/amph. Banding thought to be of metasomatic origin.
						M M									500								20°				
210.2	212.1				29290	M	<4	<10	<4	12	22	20	34		90								10°				211.6 Banding dislocated by Mt filled fractures
						M M									900								30°				
212.1	214.3				29291	M Ⓗ	<4	10	<4	<4	8	20	22		150				8%			40%						212.1 - 216.3 Metasomatically altered dolomitic lst. Often well banded as 208.1 - 212.1 more amphibole veining & replacement - banding more irregular.
						M									300												215.1 Relic banded patches in white Cc rock - 2° replacement.
214.3	216.3				29292	Ⓗ	<4	<10	<4	6	100	18	28		600								30°				214.3 - 216.3 Some euhedral Mt/Cc + Po // appears Po less common in banded Mt/Cc areas.
															300	Sg	215.8	m 2.7									
216.3	219.1				29293	G/W	10	<10	<4	4	34	24	22		2500				<2%			10%	45°					216.3 - 232.3 Grey/white equigranular dolomitized lst (coarser grained than Y/G dol lst) dissem. Mt/Po often assoc with slightly coarser grained crystalline calcite. Zones of Mt-rich rock uncommon. Faint banding common. Fluorescent fluorite present.
						G/W G/W									300												
						G/W									400												
219.1	219.7				29294		16	<10	<4	10	60	26	26		200				10%			65%						219.1 - 219.7 Mt-rich minor Po + white Cc.
219.7	222.1				29295	G/W	16	<10	<4	10	60	26	26		15								35°					
						G/W									50												
222.1	222.8				29296	M	<4	<10	<4	4	48	24	48		100				10%			30%						222.1 - 222.8 Zone of Mt/Cc - euhedral Mt + Po in white Cc matrix. Amphibole veining.
222.8	225.0				29297	G/W	4	<10	<4	<4	28	24	16		300												
						G/W									100								25°				

5 cm

514102

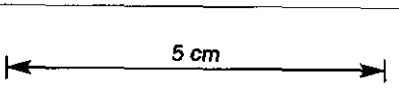
HOLE No:

PROJECT : NATONE SCALE : 1:100 HOLE [redacted]NT

103

514103

From	To	Inter'l (m)	Core Rec'd	% Recd	Sample No	Grap'c Log	Assays Sn	W	Mo	Bi	Cu	Pb	Zn	Au	Magnetic Susceptibility			S.G.	% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	All.	T.S. P.S.	Description
225.0	227.1				29298	G/W	14	<10	<4	<4	80	26	16		4000													
						G/W										Sg	226.0	m 2.8										
227.1	228.0				29299	G/W	8	<10	<4	<4	16	28	16		300													
228.0	230.5				29300		8	<10	<4	8	2	22	24		150													
						G/W									70													
						G/W									90													
230.5	232.3				29301		8	<10	<4	8	2	22	24		100													
						G/W									5													
232.3	233.2				29302		<4	<10	<4	18	26	20	32		10				2%			20%						232.3 - 240.1 Irregular metasomatic zones & patches within host yellow/green dolomitic limestones. Alteration zones consist of equigranular + Tr euhedral Mt., Grey/white dolomite + white calcite + minor Po Amphibolite veining and fractures.
						G/W									600													
233.2	234.5				29303		6	<10	<4	<4	4	20	14		800							2%						
						G/W									30													
234.5	235.7				29304		4	<10	<4	<4	20	20	20		5				2%			15%						
						H									100													
						(M)									70													
235.7	237.7				29305		<4	<10	<4	<4	4	14	22		10							10%						
						(M)									90													
						H									50													
						(M)									100													
237.7	240.1				29306		<4	<10	<4	<4	4	14	22		300				2%			10%						
						H									60													
						(G/W)									300													
						H									300													
240.1	242.3				29307		4	<10	<4	6	4	20	16						2%			5%						240.1 - 242.3 Grey/white dolomitic limestone - recrystallized Tr relic yellow/green dol. lst + fluorite irregular patches of magnetite + dissem. Po
						G/W																						
						G/W																						
242.3	245.8				29308		<4	<10	4	4	28	18	32						2%			10%						242.3 - 247.9 Yellow/green dolomitic limestone host (50%) plus metasomatic replacement of Mt/Cc/ - grey/white dolomite + Po & fluorite. Some calc-silicate minerals.
						H																						
						H																						
						(M)																						
						H																						
						(M)																						
245.8	247.9				29309		<4	<10	4	4	28	18	32						2%			20%						
						H																						
						(M)																						247.0 - 247.9 Minor banding of Mt/Cc in irregular alteration zones
247.9	249.5				29310		<4	<10	4	4	28	18	32		300				4%			20%	60°					247.9 - 249.5 Banded yellow/green dol. lst host plus calcite & magnetite bands - calc-silicate minerals + fluorite (pink/purple) assoc. with alteration zones
						M									300								45°					
						M											(249.0)	PET										
249.5	251.9				29311	G/W	<4	<10	<4	<4	2	20	20		400				2%			5%						249.5 - 256.6 Grey/white crystalline dolomitic



HOLE No :

104

PROJECT: NATONE [redacted] SCALE: 1:100

5 cm

From	To	Interval (m)	Core Rec'd	% Rec'd	Sample No	Graphic Log	Assays								Magnetic Susceptibility
							Ag	As	Sb	Ni	Co				
225.0	227.1				29298	G/W	2	75	16	20	18				4000
						G/W									300
227.1	228.0				29299	G/W	2	90	16	14	16				150
228.0	230.5				29300	G/W	1	620	6	12	14				70
						G/W									80
230.5	232.3				29301	G/W	1	620	6	12	14				100
						G/W									5
232.3	233.2				29302	G/W	1	2650	<4	16	16				10
233.2	234.5				29303	G/W	1	80	<4	10	12				600
234.5	235.7				29304	H Ⓜ	1	16	<4	10	12				800
235.7	237.7				29305	Ⓜ H Ⓜ	1	18	4	8	8				30
237.7	240.1				29306	H Ⓖ/W H	1	18	4	6	10				5
240.1	242.3				29307	G/W G/W	1	14	<4	14	12				100
242.3	245.8				29308	H H Ⓜ H Ⓜ	1	10	4	14	12				70
245.8	247.9				29309	H Ⓜ	1	10	4	14	12				10
247.9	249.5				29310	M M	1	10	4	14	12				90
249.5	251.9				29311	G/W	1	<2	<4	8	12				50
															50
															100
															300
															60
															300
															300
															300
															(249.0)
															400

514104

105

5 cm

PROJECT : NATONE SCALE : 1:100

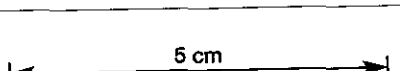
From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample NO	Grap'c Log	Assays								Magnetic Susceptibil
							Ag	As	Sb	Ni	Co				
						G/W									45
						G/W									40
251.9	254.2				29312		1	32	4	8	12				90
						G/W									20
						G/W									
254.2	256.6				29313		1	8	<4	22	18				50
						G/W									300
						G/W									
256.6	258.0				29314	M	1	4	4	26	18				1000
						M									250
258.0	259.0				29315	M	1	4	4	26	18				500
259.0	259.4				29316	▦	1	4	4	26	18				
259.0	261.9				29317	M Ⓗ	1	9	<4	32	18				1500
						M									350
261.9	263.5				29318	M	1	4	<4	22	20				700
						M									70
263.5	265.0				29319	M	1	<2	<4	18	18				500
						G/W									80
265.0	267.0				29320		1	<2	<4	18	18				60
						G/W									60
						G/W									
267.0	269.5				29321		1	<2	<4	18	18				600
						G/W									1500
						G/W									
269.5	E.O.H.														900

51405

PROJECT : NATONE SCALE : 1:100 HOLE No : NT 3

06

From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample No	Grap'c Log	Assays Sn	W	Mo	Bi	Cu	Pb	Zn	Au	Magnetic Susceptibility			S.G.	% Estimates Po	Py	Sd	Mt	Core Angles B	V	F	Alt.	T.S. P.S.	Description
						G/W									45	Sg	250·2 to 2·9										limestone with irregular Mt + Po concentrations (<2%)
						G/W																					
251·9	254·2				29312		4	<10	<4	<4	6	20	10		40				2%			5%					
						G/W									90												
						G/W									20												
254·2	256·6				29313		6	<10	<4	<4	22	20	10						2%			5%					
						G/W									50												
						G/W									300												
256·6	258·0				29314	M	<4	<10	<4	<4	14	20	30		1000				5%			70%					256·6 - 258·0 Mt-rich zone in grey/white dol. lst minor Po, + Tr calc-silicate minerals
						M									250												
258·0	259·0				29315	M	<4	<10	<4	<4	14	20	30						2%			10%					258·0 - 259·0 Grey/white dol. lst - minor Mt.
															500												
259·0	259·4				29316		<4	<10	<4	<4	14	20	30						15%			75%					259·0 - 259·4 Mt-rich zone + Po & white Cc
259·0	261·9				29317	M	<4	<10	<4	<4	38	18	42		1500												259·4 - 261·9 Mt alteration common in grey/white crystalline dol. lst
						Ⓗ																					261·1 - 261·9 Crystalline Mt/Po/Cc + green mica in white Cc matrix
						M									350												261·9 - 269·5 Grey/white lst. dolomitized - irregular patches of magnetite common average = 8% Mt. <2% Po + calc-silicate minerals. Minor Y/G dol. lst. host
261·9	263·5				29318	M	4	<10	<4	6	28	18	24		700												261·9 - 263·5 Banded dol. lst bands of Mt + dol. dissem. Po
						M									70								40°				263·5 - 265·0 Broken core - crystalline calcite veins
263·5	265·0				29319	M	<4	<10	<4	<4	12	28	26		500												
						G/W									90												
265·0	267·0				29320		<4	<10	<4	<4	12	28	26														
						G/W									60												
						G/W									60												
267·0	269·5				29321		<4	<10	<4	<4	12	28	26														
						G/W									600												
						G/W									1500												
269·5	E.O.H.														900												269·5 End of hole



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HOLE No :