Torque Mining Ltd Detailed Drill Log

Hole Number		NC69	Sheet No	1	Mineralisation / Alteration and additional descriptors

INTERVAL		ROCK CODES		Alteration summary				**Full description:** **including colour, main alteration** type and strength, **component minerals** (pref in order of abundance), **rock type, texture, alteration and mineralisation details** eg: pale green phyllic (moderate) quartz-feldspar phyric dacite porphyry, phenocrysts to 4mm, sericite (m) altered phenocrysts, silica (w) altered groundmass, pyrite(3-5%) as disseminations and minor veinlets	Pyrite		Galena		Sphalerite		Biotite		Silica		Sericite		Chlorite		(Ca)CO3		Calc-Sil		Skarn		Magnetic		QVN	Other minerals / texture / colour							
FROM (m)	TO (m)	Strat Code	Rock type	Primary Altn	2nd Altn	3rd Altn	Weathering		Style	Amount %	Style	Amount %	Style	Amount %	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Amount (WMS)	Mineral 1	Style	Amount %	Mineral 2	Style	Amount %	Broken (WMS)	Colour
0.00	0.90			ARG	OX	SIL	I	yellowish brown-orange; strly wthrd clay-soil zone, puggy when moisture inclusive; clay ± lim altn, unidentified contact to top of bottom unit.																																
9.00	1.10		SIL	OX	SIL		I	orange-brown-white; 10cm of wtd & oxidized rubbles (colluvium); weak - mod silicified; ser-qz-sil-lim altn, unidentified contact to top of bottom layer.																																
1.10	1.25		SIL	SER	OX	SIL	S	as in 0.0 - 0.90m, including wthrd silicic fragments + qz ± white mica (muscovite?) in groundmass, friable and gossaneous in parts; ser - lim - qz - clay altn, sharp contact to top of lower unit.																																
1.25	4.75		SSAND	HORN	OX	SIL	M	creamy white - brownish stings & yellowish orange coatings; qz SST with strong fragmntd / shattered & bleached unit, str silica?? Calc silicates replacing act in rock txture, mod - str leaching of sulfides in this unit, fine hairline sulfide vnlets cutting irregularly on rock txture with > 1% py trapped in vuggy epith qz; sil - qz - lim - clay altn; abrupt contact to the top of the bottom layer	spt	1																														
4.70	5.30		FALT	ARG	SIL		S	as in 1.25 - 4.75 m cut by a 20cm puggy clay zone, possible fault??, splays of crystalline py (post mineralisation), abrupt contact to top of bottom layer.	eu	2																														
5.30	6.00		SSAND	HORN	OX	SIL	M	creamy white - orange brown stains; calc silicate SST, complete replacement of other minerals due to calc silicates andstr bleaching effect, weak lim frac coating, ser-sil-qz-py altn, gradational contact at the bottom of this unit to	sv	2																														
6.00	7.10		SSAND	HORN	SER		T	Brownish - creamy white ± orange coating; calc silicate SST, mod - strly jointed @ 85 degrees TCA; partially bleached siliceous unit with up to 80% pink colouration on rock fabric - possible wollastonite?? or silicified hematite???, weak lim - py - sil frac coating, mm - cm thick str sil - dendritic py vnlets @ 60 - 70 degrees TCA, mod leaching of sulfides in rock txtures as well as veins; sil-ser-py ± lim altn, this unit has a gradational contact to the top of the bottom layer.	vn	3																														
								Redrilled																																
3.70	4.70		SSAND	HORN	SER		M	creamy/smokey white ± brownish orange coating; calc silicate SST with str sil - qz dominant txture, mod fracs @ 30 - 50 degrees TCA are coated with lim, fine irregular dendritic py - lim vns cutting thru calc silicate unit; @ 4.4 - 4.70m str mm thick py-sil vns oriented along irregular banding direction TCA, partial bleaching to strong leaching is observed along this unit, calc silicates replaces existing minerals in the rock fabric, sil-qz-lim ± py ± ser altn. The bottom of this unit has irregular contact to top of the lower unit.	spt	2																						py							
4.70	6.40		SSAND	HORN	SIL		M	white - brownish - pinkish grey; calc silicate - biotized SST, strly silicified zone with calc silicate replacing bio ± other existing minerals; mod - str bleaching & frac controlled wthering are observed in this unit, up to 3% dendritic py surviving the bleaching is observed; sil - ser - bio - py - lim altn, this unit has an abrupt contact to uppercontact of lower unit.	den	3																														
6.40	7.60		SSAND	SER	SIL		T	dark puplish brown - yellowish brown; calc silicate - biotite SST with mod fracs infilled with 1-2 % lim. Black-brown biotite (replaced by calc silicates and also due to weathering effect, str ± 1cm dendritic py vns cuts the rock txtures @ 50 - 75 degrees TCA @ 3cm intervals; ± 2% py tend to coat fracs; ser-sil - py ± bio altn; this unit has a sharp contact to bottom of the lower unit.	den	2																						py	vn	2					
7.60	8.60		SSAND	SER	ARG	SIL	S	clayey-green - dusty white; strly puggy green-white 60% clay zone with 40% undifferentiated SST with partial leaching due to ground water whtering, calc silicates and wthering has dissolve/replaced act-bio ± other minerals leaving behind irregular txtures, banding at the end of this unit develops lenticular pseudoclasts/eustatic clasts in banding orientations @ 40 - 60 degrees TCA, 3-5% py in diss and frac controlled ± very weak BMS (0.01%) observed, clay - ser - act-sil - py altn, abrupt contact to the top of the bottom unit.	d	5	d	0.1																												
8.60	11.55		SSAND	SER	CB		T	dark purplish-greenish brown ± grey zone, brown bio-act SST, strly frac zone with fracs @ 40 -50 degrees TCA, partial bleaching and mod wthering with calc silicates actions have replaced existing minerals (act-bio ± others), cb after calc silicates also engulfed remaining txtures; >10% diss py with 3 - 5% frac controlled, very weak BMS presence; ser-sil-bio -act altn; sharp contact to top of bottom unit,	d	10	d	0.2																												
11.55	12.85		SSAND	SER	CH			greenish -grey; act-bio SST, with mod fracs parralel TCA; fine airline fracs infilled with py (± 3%) - act - bio - chl; mod mm thick 1-2% BMS vnlets; ser-py-chl-act altn; gradational contact with a 30cm core loss separates the top of the bottom unit.	vn	3	vn	2																				cpy	vn	0.3					
12.85	14.35		SSAND	SER	SIL			dark greenish - purplish brown with patchywhite; act - bio SST with mod horizontal fracs TCA, weak bleaching with wthering of black bio to brown bio; incipient calc silicates replaces act-bio rock txture; @ 13.85 - 14.35m dominant calc silicates replacing act-brown bio leaving irregular rock txture; 2-3% diss py with weak BMS, mm - cm thick qz - py ± BMS vns @ 30 - 40 degrees TCA which is parallel to the banding directions;bio-sil-act-py altn; gradational contact at the bottom of this unit.	d	3	d	0.5																												

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FROM (m)	TO (m)	Strat Code	Rock type	Primary Altn	2nd Altn	3rd Altn	Weathering		Style	Amount %	Style	Amount %	Style	Amount %	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Mineral 1	Style	Amount %	Mineral 2	Style	Amount %	Broken (WMS)	Colour
14.35	18.10		SSAND	CALS	CH			light greenish ± purplish brown patches; act-bio SST with str fracs / joints, mod bleaching, weak amateur bands with lenticular pseudoclasts in banding direction; ± 5% dendritic py mineralisation in diss with fine diss 2-3% BMS in this zone; act - chl - bio - sulfide altn; gradational contact @ bottom of this unit to top of lower unit.	den	5	d	3																												
18.10	19.00		SSAND	SIL				dark purplish brown - partial green; coarse grained bio - act SST with mod fracs / joints TCA; strly silicified; this coarse grained unit is hosting > 10% BMS minerals but the BMS is reducing to < 3 % in fine grained SST; ± 20% py - pyrro is observed in this unit with irregular fine micro py-pyrro-BMS ± bio ± act vn stockwork; sil - sulfides - act - bio altn; this unit has an irregular contact to top of the bottom unit.	p	10	p	10																					po	p	20	cpy	d	2		
19.00	19.30		SSAND	SER	CB			light greenish ± brownish dark purplish patches; act-bio SST, modly wthrd unit with weak cal silicate inclusive; weak sulfide (0.2%) mineralized unit; late micro fracs cemented by calc silica ± weak cb vns; ser - sil - sulfide altn; gradational contact at the bottom of this unit;	spt	0.2	spt	0.1																												
19.30	20.20		SSAND	SER	CB			dark purplish brown - weak greenish grey ± creamy white; act-bio SST with str silicification and mod banding; > 10% py ± 3%pyrro ± 1-2 % BMS in diss with weak vn controlled BMS throught this zone; partial calc-silicates replacing act-bio-epi in rock txture; ser - act - bio - sulfide altn; abrupt contact @ the lower contact to upper contact of lower unit;	d	10	d	2																					po	d	2					
20.20	20.75		SSAND	SER	SIL			spotty white green - massive smokey white; strly silicified Qz > act - bio SST, calc silicates dissolves / replaces act - bio txtures; discrete qz - BMS vns with coarse phenos of BMS minerals observed in the BMS vns @ 40 - 60 degrees TCA, mm thick lenticular py - pyrro - BMS vns @ 40 - 50 degrees TCA; sil - qz - sulfide altn; sharp contact at bottom of this unit.																																
20.75	23.60		SGRANSAND	SMSX	SER	SIL		purplish black/brown - greenish; coarse grained bio > act SST with strong silicification; this unit hosts > 10% semi-massive BMS with ± 15 % py + pyrro; intensity of BMS mineralisation is observed to favour coarse grained SST; a few 1-2cm discrete BMS vns cut throught the BMS + py + pyrro mineralisation trending @ 60 - 70 degrees TCA, sil-sulfide - bio - sulfide altn; sharp contact to the top of the lower unit;	p	15	p	10																					po	p	10	cpy	d	2		
23.60	26.30		SGRANSAND	SMSX	SER	SIL		greyish - brown - dark greenish; intensely silicified dark brown med - coarse grained bio>act SST, strly silicified zone hosting diss semi-massive BMS (±10%) ; BMS is intense in coarse grained SST; sil-sulfide-act-cb altn; abrupt contact top of lower unit.	p	10	p	10																												
26.30	26.60		SSAND	SER	SIL	CH		smokey white - dark brownish ± weak green patches; silicified qz - act - bio SST, a 25cm qz - sil ± BMS (0.5%) vn dissolves and replaces preexisting bio>act in rock txture, the rims of eustatic clasts are lenticular and irregular; sil - bio > act altn; abrupt contact to the top of the bottom layer.			d	0.5																					cpy	d	0.2					
26.60	29.60		SSAND	SER	SIL	CB		dark green - patchy yellow; dominant act - bio SST with few patches of calc silicates where calc silicates replaces act-bio phenos; weak irregular fracs infilled with 2% pyrro ± 2% py ± 0.5% BMS ± cb; py - pyrro - BMS also oriented with banding directions, act - chl - sulfide ± ser ± cb altn; gradational contact to top of the bottom layer.	bnd	2	bnd	1																					po	bnd	2	cpy	bnd	0.2		
29.60	33.75		SGRANSAND	SER	SIL	HORN		dark greenish grey; silicified bio > act SST hosting semi-massive BMS @ intervals; other intervals host poor to no mineralisation; btween 5 - 10% BMS mineralisation are concentrated in coarse grained intervals in this zone; ± 5% py + pyrro also observed, weak - mod magnetic probably due to presense of pyrro?, sil- act -bio -sul epi - cb altn; gradationally diffused into top of the bottom layer.	d	5	spt	7																					po	d	5	cpy	spt	4		
33.75	37.35		SSAND	SER				greyish - dark greenish; act-bio SST, bleached and moderately fragmented and partially bleached ;this unit hosts mod mm-6cm thich discrete BMS vns 40 - 75 degrees TCA; at intervals mod banding fabric observed with fine py-pyrro ± BMS in stringer vns in banding direction; weak ser - act - bio altn; sharp contact at the bottom of this layer.	vn	5	vn	5																					po	vn	5	cpy	vn	1		
37.35	39.15		SSAND	HORN				7% py + >10% pyrro with weak trace of BMS (0.2 - 0.5%); mod - stro dendritic py micro vns cutting irregularly on the diss sulfides; silicification at the bottom	d	7	d	0.5																					po	d	10	cpy	d			
39.15	40.4		SSAND					glassy greyish white - green; strly silicified qz - act - bio SST hosting weak - irregular mod fine py vnlets developing into dendritic vns; irregular contact at the end of this unit,	den	3																												
40.4	41.2		SSAND	SER	SIL			as in 39.15 - 40.0m; except 30 - 40% leaching infilled by calc silicates and cb; trace diss BMS (0.2%) observed, ser -sil altn; sharp contact to top of bottom layer.			d	0.2																											
41.2	42.75		SSAND	SIL				purplish black/brown - creamy white; bio>act SST, strly silicified; calc silicates replaces bio ± act ; strly diss ± 7% py + pyrro ± 0.3 % BMS; weak BMS - py - act - sil vns @ 10 - 20 degrees TCA; sil - bio - act ± sulfide altn. EOH	d	7	d	0.3																					po	d	0.3	cpy	vn	0.2		
								EOH																																	