

Canstar Resources Inc.

MM-19-37

Project:	B-MM	Easting (NAD 27):	534013	Azimuth:	132	Core Size:	NQ	Date Started:	26-Jan-19
Drill Hole:	MM-19-37	Northing (NAD 27):	5408628	Dip:	-45	Logged by:	Bob Patey	Date Finished:	2-Feb-19
Location:		Elevation (masl):	209.6707	Depth (m):	373	Drill Contractor:	Petro		

Downhole Tests: Flexit			
Depth	Dip	Azimuth	Magnetic Field
0	-45	132	
10	-46.2	133.4	53010
64	-45.9	131.3	52030
115	-45	135.2	51380
217	-44.3	134.5	51870
166	-44.5	136	52160
268	-43.5	139.4	52120
316	-42.9	136.8	51790
370	-41.4	138.7	51740

Comments: Water line freeze up in first evening while sinking casing. Loc moved back 30m due to boggy ground

Hole_ID	From_m	To_m	Lithology	Lithocode	Description	Alteration	Mineralization
MM-19-37 0	6.5		Overburden	OB			
MM-19-37 6.50	11.80		Basalt	B	Mafic volcanic, peppery black and white texture with some fine grained "clasts" with porphyritic texture. Good base metal stringers, with gn-sp>cp. Weak "fol'n" at 45 TCA intensifies towards LC with increasing amts of py dominated stringers paralleling it. Strong chl alt, some sil veins and amygdules	Chl-Sil	7% py > sp gn > cp
MM-19-37 11.80	16.10		dacite flow	D	Intermediate volcanic with hyaloclastic texture. Disseminated py to 2%, UC has <1cm light grey v strong sericite alteration. grades to strong foliated sericite alt @12.75. perlitic textured alt at 13.7 and massive glassy flow core at 13.8-14.55 disturbed below to 16.1 LC gradational., Disseminated fine py throughout, some lucoxene spots		some good base metal stringers py sp gn
MM-19-37 16.10	18.20		dacite flow	D	massive glassy flow with alternating pink and lt green colour with gradational changes. (pink unaltered?) diss py esp in greenish. some dark patches of strong pyritization. LC gradational		3.0
MM-19-37 19.00	19.05		basalt	B	Strong foliated (45 TCA) black and green basalt flow with strong chl. Mod ser-sil 5% diss py	chl> ser-sil	5.0
MM-19-37 19.05	21.30		basalt	B	massive felsic (rhyolite?) cut by dark fractures colour varies from pink to pale green with some dark ened by dense fractures	sil	1.0
MM-19-37 21.30	50.75		basalt	B	dacite flows with foliated fine grained tops and bases, hayloclastic brecciation and perlitic textures near top and massive microcrystalline cores. Colours ranging from dark green to pale creamy green and light grey. good base metal stringers at 26.1-33.8 two dark green flows with minimal mineralization.	ser	2.0
MM-19-37 50.75	55.40		basalt	B	lt green vesicular flows with minz in amygdules, and sericite blobs from 54.1 amygdules have died out ends in fg at 70 TCA	ser	5.0
MM-19-37 55.40	55.50		flt		fault gouge		
MM-19-37 55.50	57.40		basalt	B	similar to above gouge. With more disrruption	ser sil	1.0
MM-19-37 57.40	58.85		basalt	B	amygdaloidal chlorite altered basalt. Amys wit calcite, chlorite and sp-cp mineralization towards base. Amys oriented 45 TCA. LC appears gradational.	chl	2.0
MM-19-37 58.85	63.60		basalt	B	olive green sil & ser altered flow with py throughout diss and stringers, some good base metal stringers, some cc blobs with chl py & sp		5.0
MM-19-37 63.60	66.00		basalt	B	dominantly black amygdaloidal basalt some amygdoids with base metals at top. Stringers end below 65.6. pure sericite band @62.9m 1 cm wide at 40TCA.	chl	3.0
MM-19-37 66.00	98.10		basalt	B	dark green-med-grey flows, some vesicular with cc-chlorite infill. Halocalstic texture in places. Strong planar fabric throughout. Weak sericite alt in places lightening rock to cream. Some spots of chlorite.	weal chl.	0.0
MM-19-37 98.10	102.29		basalt	B	chl altered grey basalt clastic appearance with a peppery black and white matrix with fine grained light to dark grey	chl	0.0
MM-19-37 102.29	116.40		dacite	B	wk altered Int flow, going to volcanoclastic @ with increasing basalt towards basal contact with basalt flow. Layered fabric throughout, shearing and sed. Small patches of strong chl or ser alteration. Some clasts with large blobs of pyrite at 113.3-.5.	chl, ser	1.0
MM-19-37 116.40	143.66		basalt	B	volcanoclastic autoclastic pillow fragments. Ranges from light fragments in a dark matrix to dark fragments with light rims in the same matrix. Not much layered fabric. Jasper at 119.55		0.0
MM-19-37 143.66	148.70		diabase	Mb	dark black diabase dyke. Some calcite vesicles with. Disseminated pyrite	caclite	3.0

Hole_ID	From_m	To_m	Lithology	Lithocode	Description	Alteration	Mineralization
MM-19-37	148.70	230.60	basalt	B	volcaniclastic basalt. Grey clasts in a variably chloritized matrix, strong chlorite matrix is black, grey matrix is little altered. minor calcite throughout. some areas have epidote especially in clasts. Some weak shear fabric throughout, generally 45 tca 172-179 a few pink-orange jasper amygdules. 95-199.7 A few areas with pyrite and calcopyrite, also some epidote, section ends at 1cm white calcite vein 30 TCA.	chl	0.5
MM-19-37	230.60	232.82		B	volcaniclastic becomes grey sill with some vesicles base of which is brecciated (autoclastic)		0.0
MM-19-37	232.82	233.1	flt		fault zone with some puggy gouge, mostly rubbly core, some cm scale grey and white qv, (some qv at 80 tca, others clearly rotated in fault)		0.0
MM-19-37	233.1	277	Basalt strong alt	Bas	meters thick flows with brecciated and altered tops and bottoms. Massive interior of flows has weak flow lineations as evidenced by amygdale (calcite) and sericitized pheno orientation. some dark grey glassy sills. Interflow sections are brecciated (jigsaw fit) and moderate chl alteration. 247-247.8 strong black chlorite alteration. brown fe carb alteration in some 0.1m sections. some pale green veins cut all (qtz-epidote) a few even later qtz veins.	chl	0.0
MM-19-37	292.65	296.6	Basalt strong alt	Bas	flows more broken up with hyaloclastic brecciation, trace pyrite		
MM-19-37	296.6	298.63	Basalt strong alt	Bas	intermediate flows with hyaloclastic brecciation in places, moderate weak sericite alteration, minor py (no BM seen or in XRF). Some late black qtz veins	ser weak	1% py
MM-19-37	298.63	303.25	Basalt strong alt	Bas	autoclastic flow banded volcanics. Some spherulitic texture. Weak green sericite alt	ser weak	1% py
MM-19-37	303.25		Basalt strong alt	Bas	sandy volcaniclastic, bedded on a <5cm scale. Yellow stain from sericite some py in bands. Some wispy beds of coarse sandy vc	ser	5% py
MM-19-37	303.25	306.4	Basalt strong alt	Bas	coarser volcaniclastic with sericite alt some py diss and a few stringers. Some chlorite rich areas along qtz veins 305.5-305.9m @ 40TCA. Some flattening throughout with some possible shearing.	ser chl	3% py
MM-19-37	306.4	322.5	int flows	B	grey unaltered to weakly altered volcaniclastic. Coarse sand to 8cm clasts. Py throughout clasts and matrix esp in darker clasts. Lt yellow from incipient ser alt in places. Clasts of sericitized felsic, chloritized ? Some unaltered grey clasts. Sericitic clasts have dk grey alteration rims. some bands of finer sandy sed with bedding @ 70TCA which parallels the preferred orientation of clasts.		4% py
MM-19-37	322.5	334.1	Rhyolite	Dch	light grey rhyolite volcaniclastic with flow banded clasts in the coarser portions. Some very fine grey sections which look intrusive cutting the volcaniclastic. Rare clasts of sericitized felsic near top. Some uncommon spots of black chlorite. Trace pyrite		0.1
MM-19-37	334.1	241.2	Rhyolite	Dch	slt and pepper textured black chlorite flakes or pseudomorphs in a grey siliceous matrix.	chl	0.0
MM-19-37	241.2	344.2	Rhyolite	Dch	dark grey rhyolite apparent clastic. Cut by later qtz vein with associated pyrite	chl	3 py
MM-19-37	344.2	361.2	Rhyolite	Dch	light grey rhyolite, volcaniclastic with a few sericitized clasts but mostly grey flow banded rhyolite. Some py stringers, no base metals (XRF max 300ppm Zn) @ 357.65m is a 1cm QV with sheared sides, pyrite. Increased diss py in proximity. Diss py in places, zoned.	sil	2 py
MM-19-37	361.2	361.5		flt	fault zone, broken qtz veins and black minz (washed out chl?)		
MM-19-37	361.5	371.7	Rhyolite	Dch	light grey rhyolite hyaloclastic with flow banded clasts. Intact flow bands at 70-80 TCA	sil	0.5 py
MM-19-37	371.7	373		Dch	broken core. Some grainy fractures, minor apparent movement. Possible fault zone	sil	
MM-19-37	373				EOH		