# GEOLOGICAL REVIEW OF THE CACAO VEIN TARGET, LA INDIA GOLD PROJECT, NICARAGUA June 2019

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#### **1 INTRODUCTION**

The Cacao target is controlled by Condor Gold plc. It occurs within the La India gold district, in the Province of León, Nicaragua. The district is characterised by Low Sulfidation epithermal gold mineralisation on the East flank of a caldera (Santa Rosa del Peñón).

Most of the gold occurs in narrow crustiform quartz-dominated veins with excellent continuity (up to several km).

The district resources include 46 Koz gold at Cacao (Underground, 2 g/t cut off: 474,000 tonnes at 3 g/t gold) and 14 Koz gold (Open Pit, 0.5 g/t cut off; 188,000 tonnes at 2.3 g/t gold). But Cacao is at a very early stage of exploration and the company believes there is excellent potential to build on the current resource.

A geological map of part of the district, with a 2 km grid, is shown in the figure below. Drill collars are also shown. Selected drill logs (done by the author) are attached in Appendix 1.



Most of the focus of Condor Gold has been on increasing resources in the other veins (La India, America, Mestiza). Despite initial drilling at Cacao as early as 2007, the target was mostly neglected until new drilling in 2016. This reflected problems with RC drilling and poor recovery in 2007. And perhaps the perception that it was not attractive for open-pitting.

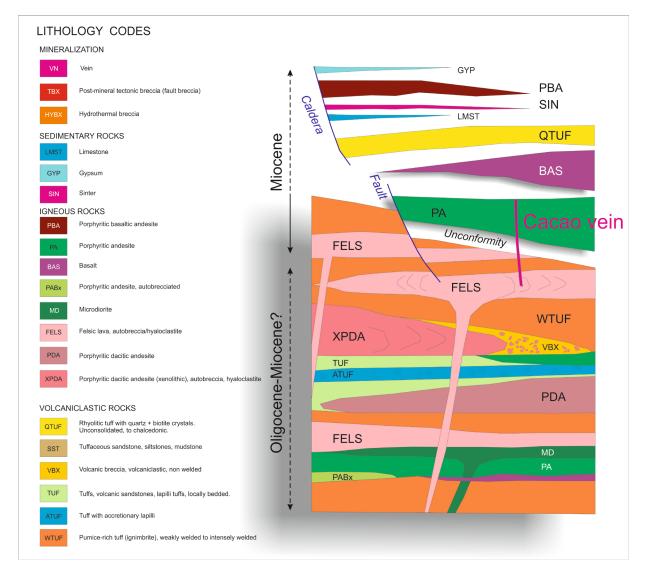
Cacao was first identified at surface because it comprises an East-West-striking ridge of chalcedonic, silicified and brecciated rocks between 10 and 30 m wide. There are rare East-West, subvertical crustiform quartz veins up to 1 m thick within the breccias. But, compared with the significant veins at la India and America, they are discontinuous and never exploited by informal miners.



### 2 LITHOSTRATIGRAPHY

Mineralisation at Cacao is hosted within sub horizontal Miocene porphyritic andesites ('PA' in the stratigraphic column below). In terms of regional stratigraphy, these andesites are some of the youngest rocks in the district. (Younger rocks fill the Santa Rosa del Peñón caldera.)

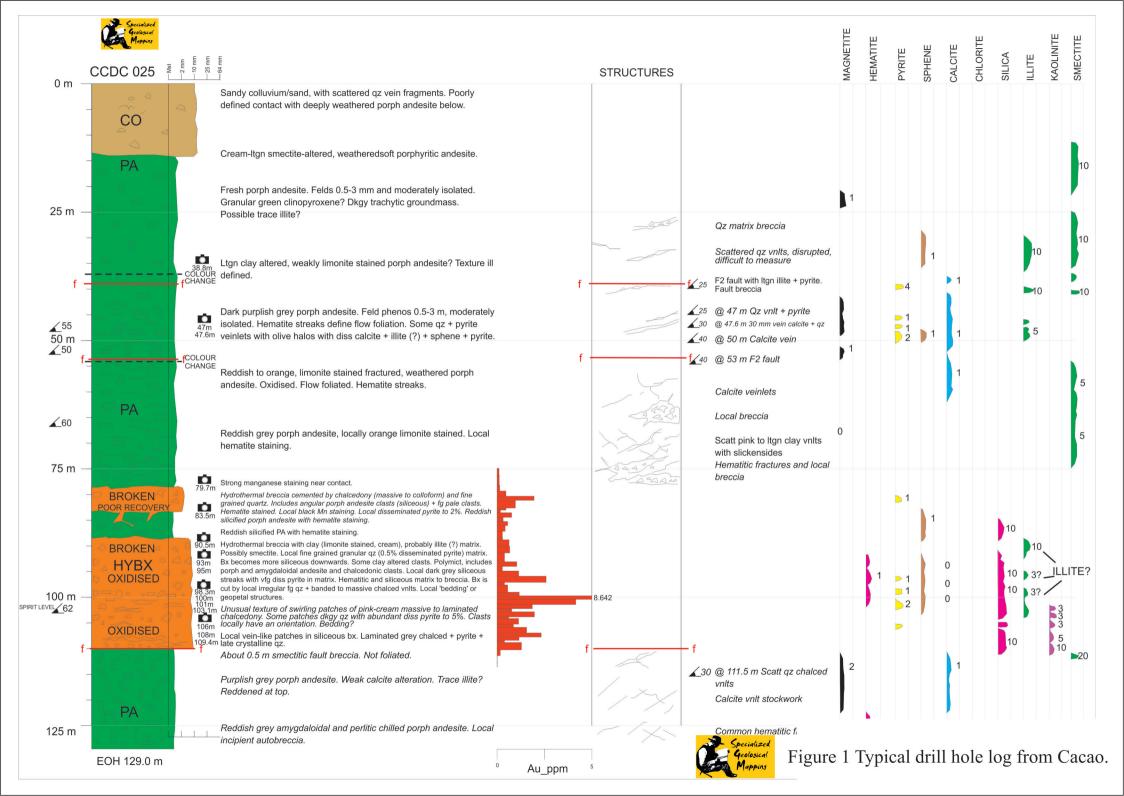
At La India and America, the andesites occupy narrow graben and half graben above a 'basement' of felsic volcanic rocks (see Figure 2). These comprise formerly glassy dacite/rhyolite flow domes and welded tuffs. East of the major Highway Fault, a post-mineral fault, the andesites are dropped down (see map above). It also appears that the entire district epithermal system is dropped down, because remnants of sinter are preserved at Cacao (as float boulders). Cacao is therefore much less eroded than La India and America.

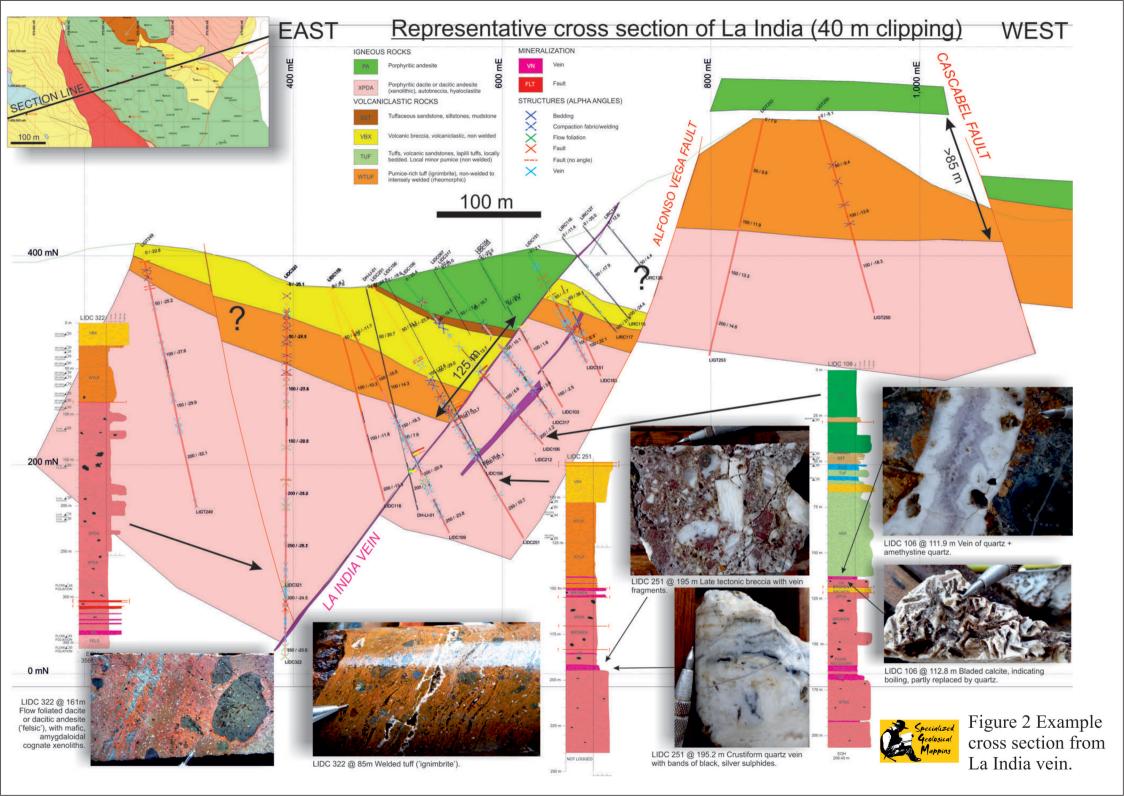


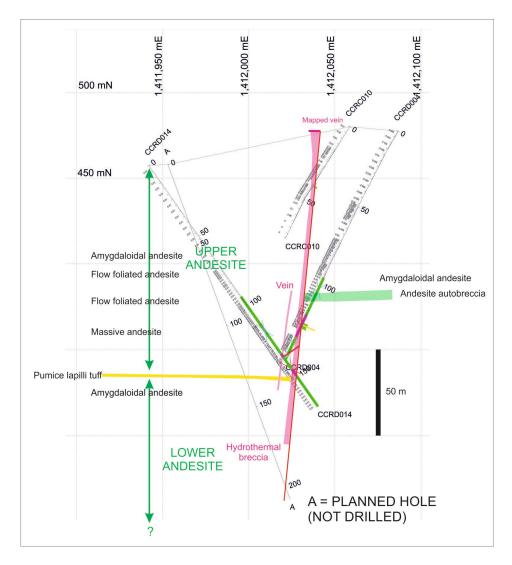
The andesites at Cacao are mostly fresh and display moderately isolated small plagioclase and clinopyroxene phenocrysts in a very fine grained, trachytic groundmass. The andesite shows flow foliation and, in places, is autobrecciated. Figure 1 shows a typical drill log.

The andesites at Cacao are at least 160 m thick, the thickest seen in the district to date. One drill hole shows evidence of a thin pumice tuff, so there are at least two andesite lava flows (or high-level sills) present. This is shown on the screenshot below (viewed towards West).



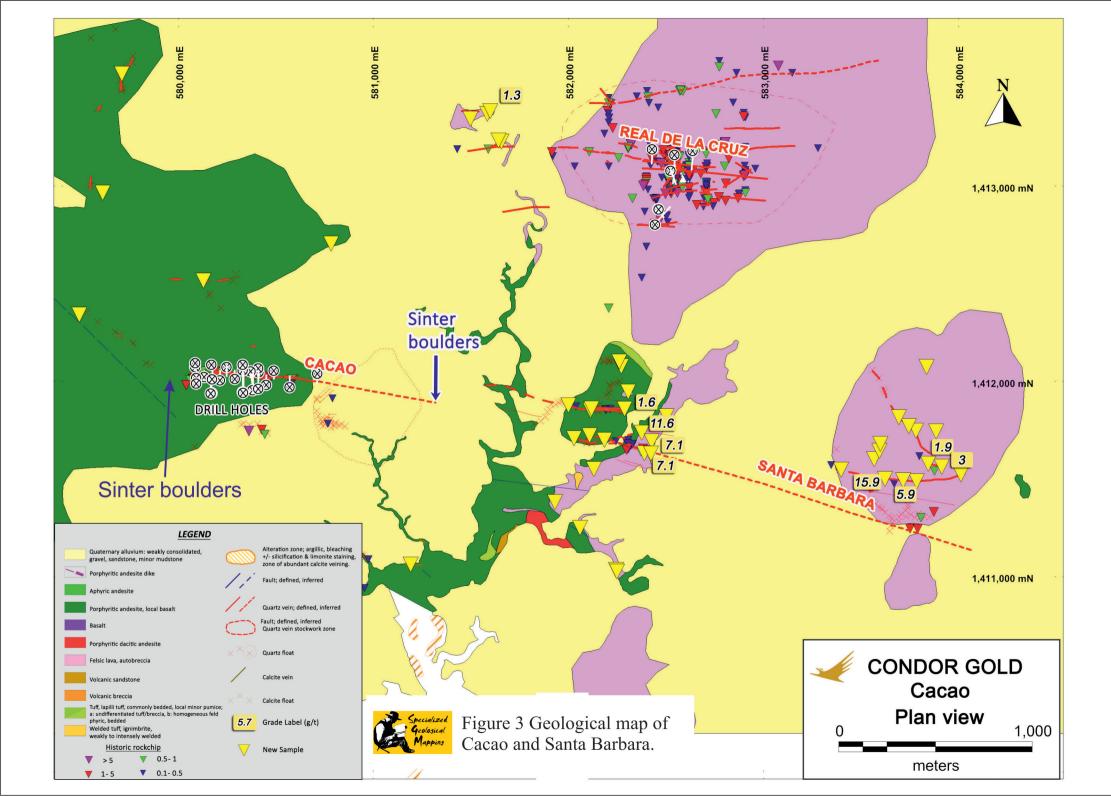






Exposures of flow banded dacite and welded tuffs in the major creek about 1.4 km East of Cacao (see Figure 3, modified from Allen, 2017) indicate that the felsic 'basement' must be at relatively shallow depth at Cacao. But it is not intersected in the deepest hole.

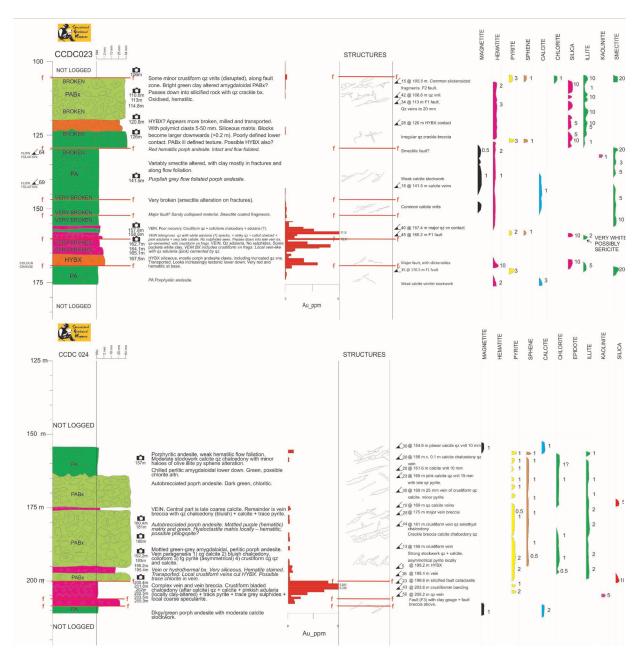




#### **3 STRUCTURE**

The East-West zone of silicification, hydrothermal breccia and veining at Cacao dips very steeply South. Drilling demonstrates several significant post-mineral faults parallel to the Cacao structure, though none is directly exposed at surface. Unfortunately, some of the 2007 drill holes were drilled from the footwall (North side) and the angle was not optimum - there are some long intersections of very broken drill core where the drill holes followed these postmineral faults.

More reliable holes, which were collared in the hanging wall and drilled towards the North, mostly show a major post-mineral fault defining the bottom of the ore zone. The upper side of the ore zone is much less tectonised and seems mostly intact. This is shown well in drill holes CCDC 023 and 24 (see below).



The Cacao ridge has a strike length of about 700 m long. At its East end it dives beneath a major alluvial fan, up to 20 m thick (Figure 3). Deeply eroded streams show that large boulders



of silicified rock and sinter appear in the alluvium, at the projected extension of the Cacao structure (Figure 3; Allen, 2017).

Within a major drainage, about 1.6 km East of the Cacao ridge, several parallel veins are currently being exploited by informal miners. Grab samples give values up to 11.6 g/t Au. The structure(s) then disappears below more alluvium, before remerging at Santa Barbara (Figure 3). Vein float boulders at Santa Barbara show excellent epithermal textures and grab samples from splays give values up to 15.9 g/t Au.

The overall strike length of the Cacao-Santa Barbara vein system is about 4 km.



#### 4 HYDROTHERMAL ALTERATION AND TEXTURES

The Cacao structure comprises a distinctive ridge that stands about 10-20 m above the surrounding plain. This ridge comprises hydrothermal breccia, with widespread chalcedonic alteration. The silicified core is flanked by quartz + kaolinite-altered hydrothermal breccia. The breccias are polymict and include dacite/rhyolite (derived from the underlying felsic volcanics?) and silicified andesite. Example textures are shown in Figure 4. Drilling suggests that this body of hydrothermal breccia funnels and narrows downwards.

There are widespread indicators of the original paleosurface. The most important comprises float blocks of probable hot spring sinter (Figure 4) on the East and West sides of the ridge (see Figure 3 for location). These float blocks are up to several metres in diameter. (Note that sinters occur elsewhere in the District, in the Santa Rosa del Peñón caldera, to the West of La India. It is not clear if they are the same age.)

Other near-surface features include cavities filled by horizontally bedded chalcedonic sediment and chalcedony. These geopetal structures are common at the tops of epithermal systems (Sillitoe, 2015). The finest chalcedony probably accumulated by deposition of colloidal silica during sharp cooling due to vapor loss and boiling. Silica solubility was exceeded, and the amorphous colloids formed as silica gel – this is commonly 'bedded' (the geopetal spirit levels). Hydrothermal currents transported sediments and caused features such as graded bedding in the coarser chalcedonic sediments.

Drilling demonstrates that the wide (up to 30 m) zone of hydrothermal breccia narrows and give way downwards to classic crustiform epithermal veins. These veins are identical to those exposed at the ground surface at La India. The best vein textures occur in CCDC 024 (Figure 5). This contains a single vein about 3.3 m wide (true thickness). A hydrothermal breccia in the hanging wall of the vein brings the principal mineralised zone to about 5.5 m (true thickness). The vein shows a remarkable number of hydrothermal 'events'; there are early hydrothermal breccias with crustiform vein fragments.

The vein itself displays a host of textures (Figure 5). These include: 1) bladed calcite, a classic indicator of boiling (normally associated with gold deposition), replaced by amethystine quartz; 2) Bands of adularia; 3) colloform chalcedony. All are typical of the boiling levels of hydrothermal systems. These same features are widespread at La India, but not at America or Mestiza, where vein textures are much simpler (commonly spongy intergrowths of calcite and quartz). The vein intersection in CCDC 024 closely resembles vein textures in deep holes in the Southeast of La India (e.g. LIDC 324; 11.4 m at 7.4 g/t gold-equivalent). Both display chalcedony with an apple green tinge.

The wall rocks in CCDC 020 show extensive weak calcite + pyrite + clay (illite?) + sphene alteration. Pyrite rises to about 2% close to the vein. The abundance of calcite, both replacing phenocrysts and in amygdales, suggests that the hydrothermal fluids were alkaline and reduced. The 'illite' may well be mixed layer illite-smectite.

CCRD 004 displays good grades, but core is very broken, with poor recovery. Gold occurs in a deeply oxidised and broken syn-mineral (?) breccia with common vein fragments. The quartz is sugary. There is also a post-mineral fault with smectite.

CCRD 005 cut a narrow vein of granular quartz and chalcedony, which seems to be barren. There is an andesitic autobreccia (?) with quartzrich matrix, overprinted by a stockwork of fine-grained quartz and chalcedony veinlets. The drill direction was not optimal and it is possible



*Details.* The vein zone in CCDC 020 (Figure 6), one of the deeper intersections, comprises a major footwall fault with poor recovery. The hanging wall of the fault includes a good crustiform, dilational vein with zoned (white-translucent) euhedral quartz, colloform chalcedony, hematite and late coarse calcite (not replaced by quartz). There is trace illite in the vein. This vein runs up to 5 g/t Au. Higher in the hanging wall there is a phreatic (?) breccia which includes calcite vein fragments and has siliceous sediment spirit levels (geopetal structures) similar to those at Central Breccia. The breccia passes up into a massive, crudely banded calcite vein.



ABOVE. An epithermal vein is cut by horizontally bedded siliceous sediment ('spirit level' or geopetal structure), in turn cut by a narrow phreatic breccia dike.



ABOVE & BELOW. Silicified hydrothermal breccia with some kaolinite-altered clasts.





ABOVE. Chalcedonic hydrothermal breccia is cut by a spirit level of finely banded chalcedonic sediment.



ABOVE. Large float boulders of sinter (siliceous hot spring deposit).



Figure 4 Hydrothermal textures from Cacao.

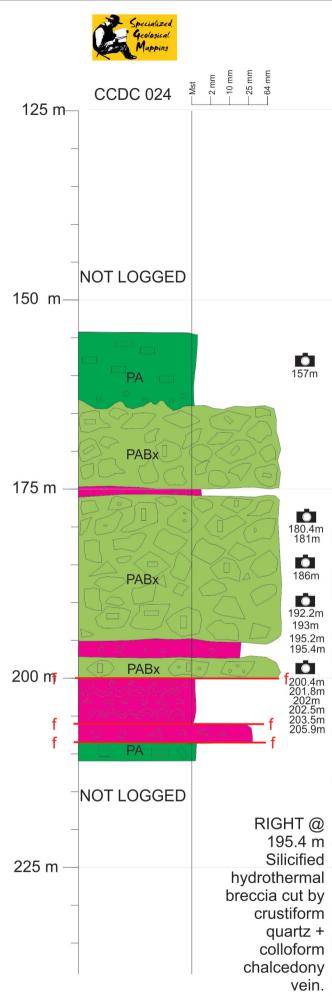
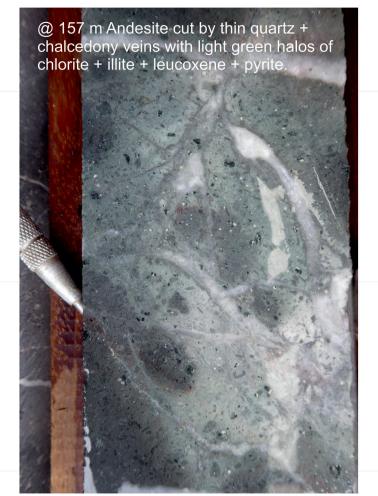


Figure 5 Vein textures from CCDC 024.



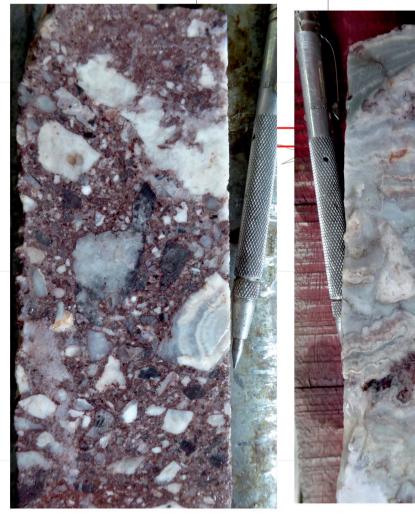


@ 186 m Andesite cut by stockwork of quartz + bluish colloform chalcedony veinlets.



BELOW @ 200.4 m Hematitic, silicified hydrothermal breccia including clasts of crustiform guartz + chalcedony vein.

BELOW @ 201.8 m Greenish quartz + chalcedony + adularia + calcite + hematite vein.





@ 193 m Andesite cut by stockwork of quartz + bluish chalcedony veins. Note thin band of asymmetric pyrite (geopetal structure).

Pyrite

BELOW @ 205.9 m Vein of coarse bladed calcite (replaced by amethystine quartz) + adularia + greenish chalcedon

Bladed

Adularia

the hole was stopped before reaching the main vein.

CCRD 006 is very encouraging. The footwall (N wall) displays a moderate stockwork and minor crackle breccia of quartz + calcite + chalcedony veinlets. Individual veins are up to 0.2 m, with a variety of directions. The main vein intersection, about 125 m depth, comprises massive white calcite (locally bladed) + rare bands of fine-grained pyrite. The vein locally comprises a mix of dogs-tooth (scalenohedral) calcite and colloform chalcedony. Wall rock alteration increases towards the end of the hole, to about 2% disseminated pyrite. But the hole was stopped only a few metres below the vein intersection. Maybe for technical reasons? There is a 104 g/t Au result from the massive vein. There was no sign of a post-mineral fault. It may have jumped to the hanging wall side of the vein?

CCRD 013 was a shallow hole with no assay results above 1 g/t Au. A major post mineral fault defines the top of the zone. The footwall comprises a hydrothermal breccia with a fine-grained quartz + pyrite matrix. Clasts of andesite show clay alteration. There is late drusy quartz. The hydrothermal breccia is locally 'sandy' resembling the phreatic breccias from Central Breccia. It passes down into a massive vein with colloform chalcedony + fine grained quartz + pyrite + minor late drusy quartz.

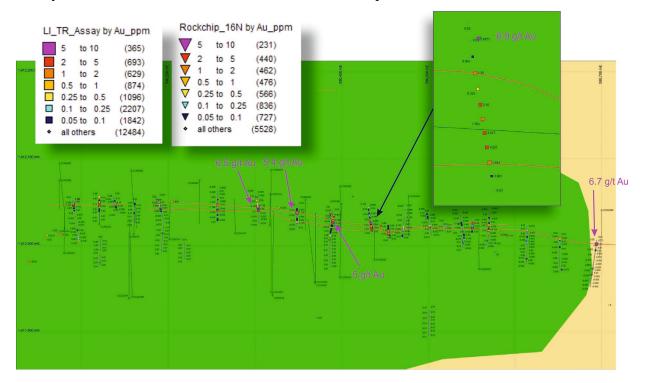
CCRD 019. This core is very broken, with poor recovery. The decent grades (up to 6 g/t Au) come from a vein of fine-grained quartz and chalcedony, with local disseminated pyrite. Only small vein fragments are present in the core box. Below 50 m depth there is a long run of breccia (poor recovery). The top part is clearly syn-mineral vein breccia, with kaolinite-altered clasts cemented by sugary massive quartz (or cristobalite?). Lower down is a hydrothermal breccia with numerous oxidised red porphyritic andesite clasts. It includes scattered small vein clasts. The hole is interesting. There is no single good vein, but a long run of probable phreatic breccia. This looks high level. The kaolinite and possible cristobalite imply an acid sulphate overprint at the top of an epithermal vein system.

CCRD 022 also shows poor recovery and broken core. A vein runs 2.3 g/t Au and comprises colloform chalcedony, fine quartz and local coarse euhedral quartz. Local bladed calcite is replaced by quartz. This is a typical boiling level texture and occurs only 75 m below the surface. However, this texture is rare in core from Cacao.



#### **5 GOLD MINERALISATION**

Rock sampling and trenching at Cacao before drilling in 2007 showed some interesting values, with the highest grades along the axis of the ridge (see screenshot below). Most of the chalcedonic breccias are low grade (sub 1 g/t Au). But spikes in grade to nearly 7 g/t Au mostly coincide with narrow, discontinuous crustiform quartz veins.



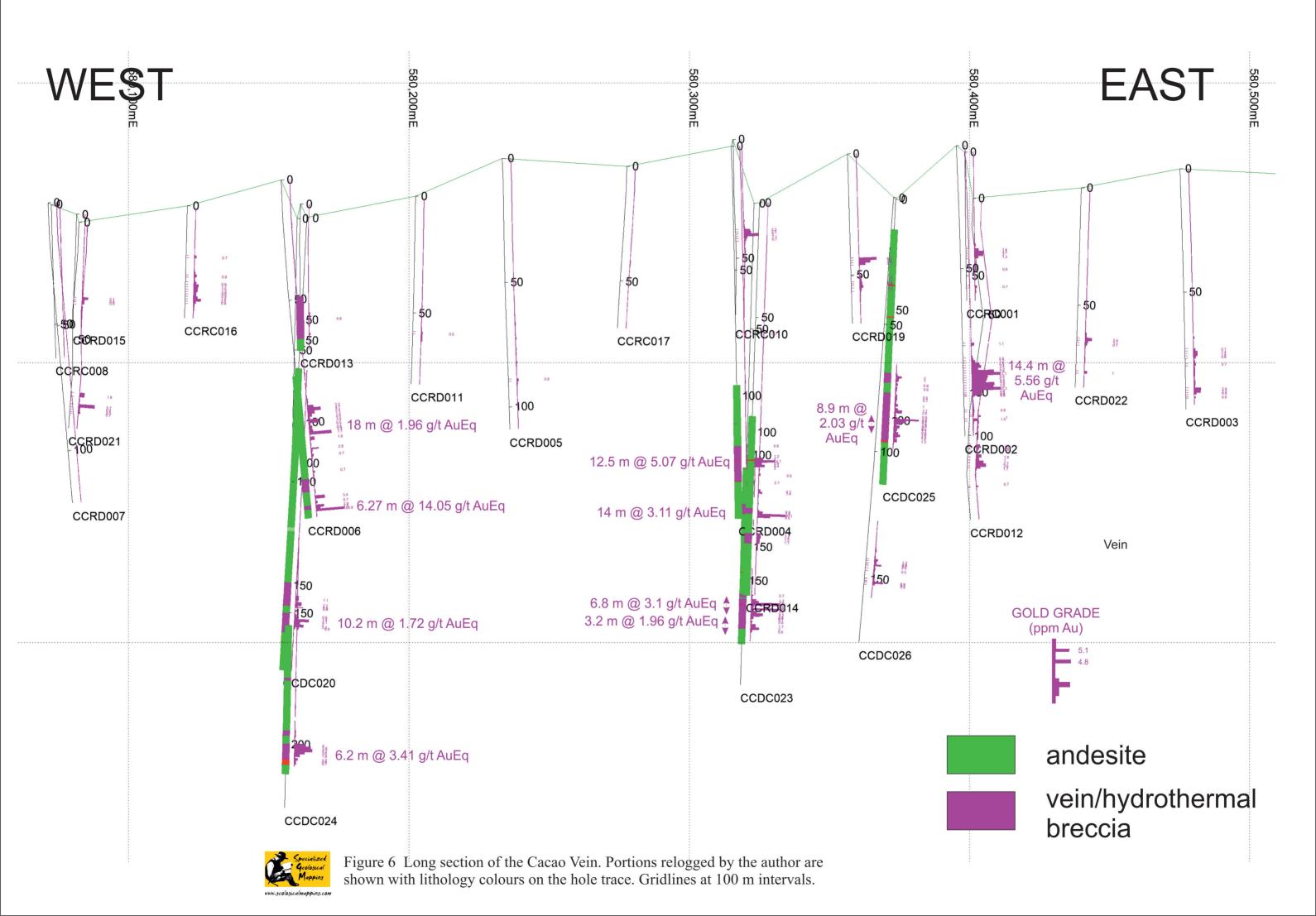
ABOVE. Rock (triangles, grab) and trench (squares, 1 m long samples) gold assays from Cacao. Drill hole collars and traces are also shown.

Figure 6 shows a long section of Cacao, with significant intersections labelled. (*Note that some of the 2007 drill holes stopped short of the vein zone or were drilled from the footwall.*) The highlighted intersections were all drilled from the hanging wall and mostly come from the 2016 program.

Figure 6 shows gold-equivalent values (which include silver), but the overall contribution from silver is low. Unlike many epithermal deposits, the silver:gold ratio at Cacao is low (typically 1-5, increasing to 10 in deeper holes). There is no visible gold. (*Visible gold is very rare in the La India District.*)

The highest gold grades (up to 104.9 g/t Au over 0.85 m) occur within the thicker veins; the stockworks in the hanging wall are generally low grade or barren, reflecting their simpler textures. However, some of the hydrothermal breccias in the shallower drill holes also show elevated grades.





#### **6 INTERPRETATION**

All the evidence suggests that the original ground surface is preserved at Cacao. This contrasts with La India, where the vein system has been exposed by erosion. At Cacao the hydrothermal fluids flowed out onto the ground surface and formed siliceous hot springs (sinter). There is no significant vein at surface.

I interpret the hydrothermal breccias at Cacao as phreatic breccias, formed by the interaction of hot water and cold rock. Periodic choking of the conduits by opal accumulation (subsequently transformed to chalcedony) resulted in periodic over-pressuring and explosions. Some of the breccia may have been thrown out onto the original ground surface, to form an apron of ejecta. The widespread kaolinite at surface probably reflects an acid sulfate ('steam-heated') overprint, a common feature of the tops of epithermal systems (Sillitoe, 2015). Open spaces were filled by hydrothermal opal and sediment, forming the geopetal structures.

Because there is no major continuous vein at surface, and because the chalcedonic rock is not favourable for mining, the informal miners are not active at Cacao. However, the drilling clearly shows how a phreatic hydrothermal breccia funnels down into a traditional, continuous crustiform vein with moderate to high grade gold. The sheer variety of hydrothermal events and textures within the main conduit (vein) is remarkable and very encouraging. Some of these events were barren, but others introduced ore-grade gold. These are significant positive features for Cacao. The target shows every sign of being an entirely preserved epithermal system with good permeability and repeated reactivation.

At La India and Mestiza there is a clear structural control on the best gold grades. This forms steeply plunging oreshoots which contribute hugely to project economics. In both places the oreshoots occur where the principal vein bends (jogs) in a fault system with a component of strike slip. This is almost certainly true at Cacao, but it is early days since there is insufficient drilling to define the oreshoots.

Mapping indicates that the contact between felsic volcanic rocks and the overlying andesites must be very close (perhaps 200 m below ground surface?). (*The contact occurs about 410-420 m elevation in the dam river valley; this is only about 50 m below ground surface at Cacao.*) At La India the brittle felsic volcanics (glassy welded tuffs, dacites, obsidian) show much wider veins and higher gold grades than the andesite cover. There is therefore great potential for Cacao to host a thicker, higher grade vein at relatively shallow depth. This has not yet been drill-tested.



#### **7 RECOMMENDATIONS**

The full potential of Cacao has not been tested. The vein system is almost 4 km long, making it one of the longest veins in the La India District. There are high grades from deeper holes which demonstrate the clear potential. There is also a good chance that the main boiling level, with the highest grades, has not been drilled yet. The vein thicknesses are comparable to the thickest veins seen at La India, which is very encouraging. The vein textures are very similar to the bonanza grade deeper drill holes in the Southeast of La India (e.g. LIDC 324).

Depending on budgets, future drilling should be two-pronged; 1) to increase the known resource at Cacao by infill and stepping down to give 50 m piercement points. This will also help us understand the shapes of oreshoots. 2) Widely spaced step-outs along the projected extension of the vein beneath the alluvium. These will give an idea of the potential of Cacao to host a 1 Moz gold resource.

The suggested holes, a total of just under 5000 m, are shown in the table below and in Figure 7. They are also discussed in a video of the 3D workspace (Appendix 2).

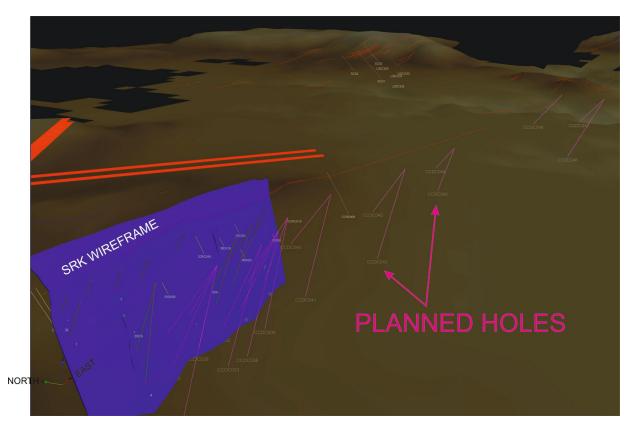
HOLE_ID	Drill order	East	North	Elevation	Azimuth	Inclination	Depth	Platform
CCDC027	WP_Cacao1	580234	1411900	454	13	-48	200	А
CCDC028	WP_Cacao2	580234	1411900	454	15	-60	250	А
CCDC029	WP_Cacao3	580234	1411900	454	350	-50	210	А
CCDC030	WP_Cacao4	580234	1411900	454	347	-60	250	А
CCDC031	WP_Cacao5	580234	1411900	454	344	-70	325	А
CCDC032	WP_Cacao6	580321	1411891	455	0	-58	250	В
CCDC033	WP_Cacao7	580321	1411891	455	0	-66	300	В
CCDC034	WP_Cacao8	580372	1411900	456	12	-50	210	С
CCDC035	WP_Cacao9	580372	1411900	456	358	-58	230	С
CCDC036	WP_Cacao10	580372	1411900	456	0	-68	310	С
CCDC037	WP_Cacao11	580433	1411930	455	2	-50	150	D
CCDC038	WP_Cacao12	580433	1411930	455	2	-62	195	D
CCDC039	WP_Cacao13	580433	1411930	455	2	-70	280	D
CCDC040	WP_Cacao14	580562	1411928	458	0	-48	175	E
CCDC041	WP_Cacao15	580562	1411928	458	0	-70	270	E
CCDC042	WP_Cacao16	580818	1411900	444	10	-50	175	F
CCDC043	WP_Cacao17	580818	1411900	444	0	-70	270	F
CCDC044	WP_Cacao18	581045	1411875	442	15	-45	100	G
CCDC045	WP_Cacao19	581045	1411875	442	15	-65	150	G
CCDC046	WP_Cacao20	581971	1411825	442	22	-45	200	Н
CCDC047	WP_Cacao21	581941	1411651	442	20	-45	150	J
CCDC048	WP_Cacao22	581941	1411651	442	20	-60	300	J
						Total	4950	

Total 4950





This Discover3D screenshot also shows the planned drill holes.





#### **8 REFERENCES**

Allen, D G. 2017. Geological mapping on the La India Project, Nicaragua. Unpublished report for Condor Gold Plc.

Sillitoe, R H. 2015. Epithermal paleosurfaces. *Mineralium Deposita*, **50**, 767-793.

Starling, A. 2015. Structural review of the La India Deposit and District, Nicaragua. Unpublished report for Condor Gold Plc.

#### 9 DATA AND SIGNATURE PAGE

The author, Warren Pratt (PhD CGeol) is a Director of Specialised Geological Mapping Ltd, a consulting company based in the UK. He is a graduate of Hull University, UK (BSc Hons Geology, First Class, 1986) and the University College of Wales, Aberystwyth, UK (PhD Structural Geology, 1990). He has practiced his profession continuously for the last 29 years and is experienced in epithermal, porphyry Cu/Au, orogenic/shear zone Au and VHMS deposits. Warren Pratt is a Competent Person as defined in Chapter 19 of the UKLA Sourcebook, Chartered Geologist (25 years), Fellow of the Geological Society, and Fellow of the Society of Economic Geologists. He won the President's Award of the Geological Society in 1994 for the preparation of detailed geological maps.

The author has detailed knowledge of the assets held by Condor Gold plc in Nicaragua. The author holds options in Condor Gold plc. The only other commercial interest in relation to Condor Gold plc is the right to charge professional fees for this report.

Dated at Urquhart, 04 June 2019

signed

Warren Pratt, PhD, CGeol



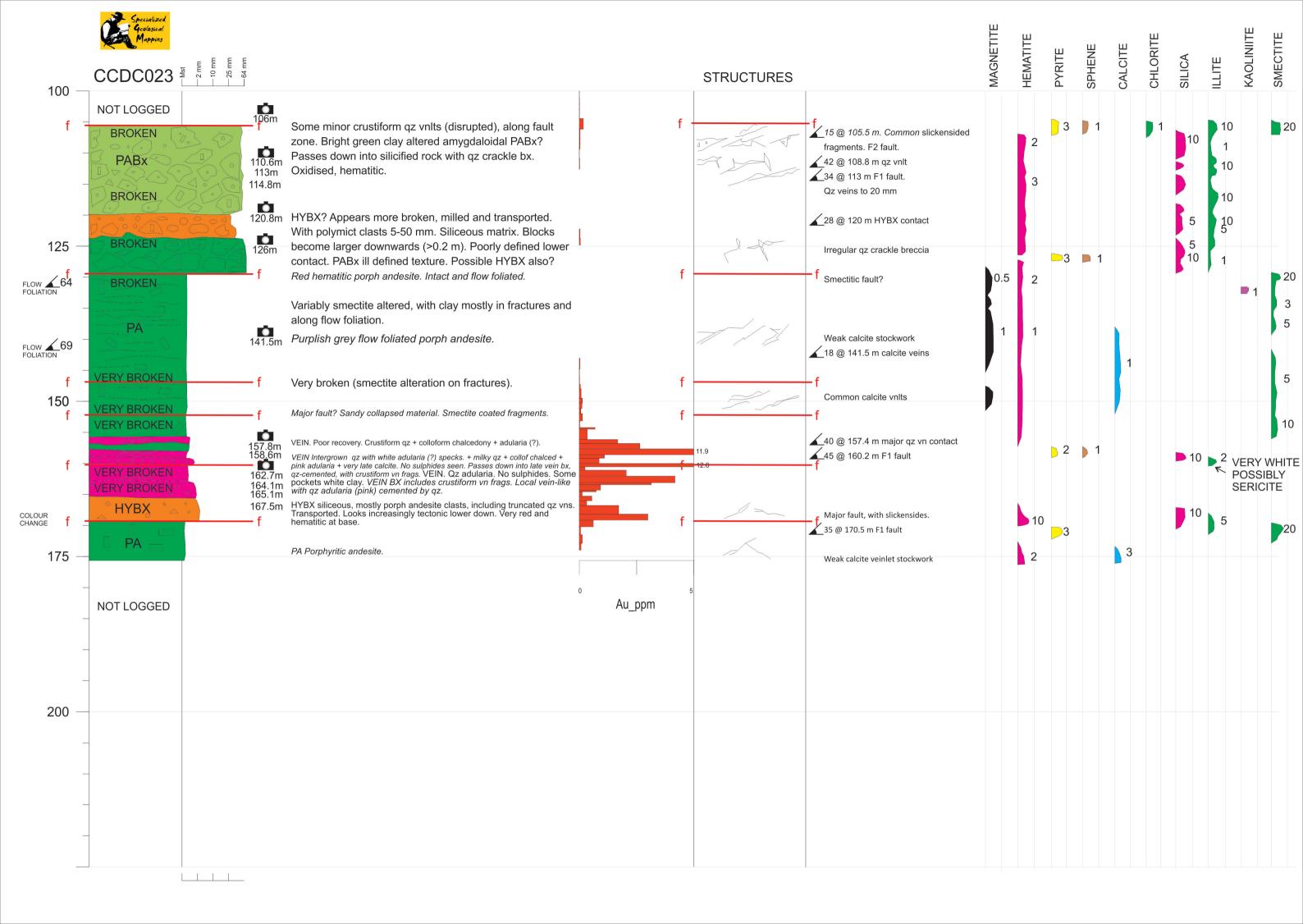
# Appendix 1 A3 drill logs

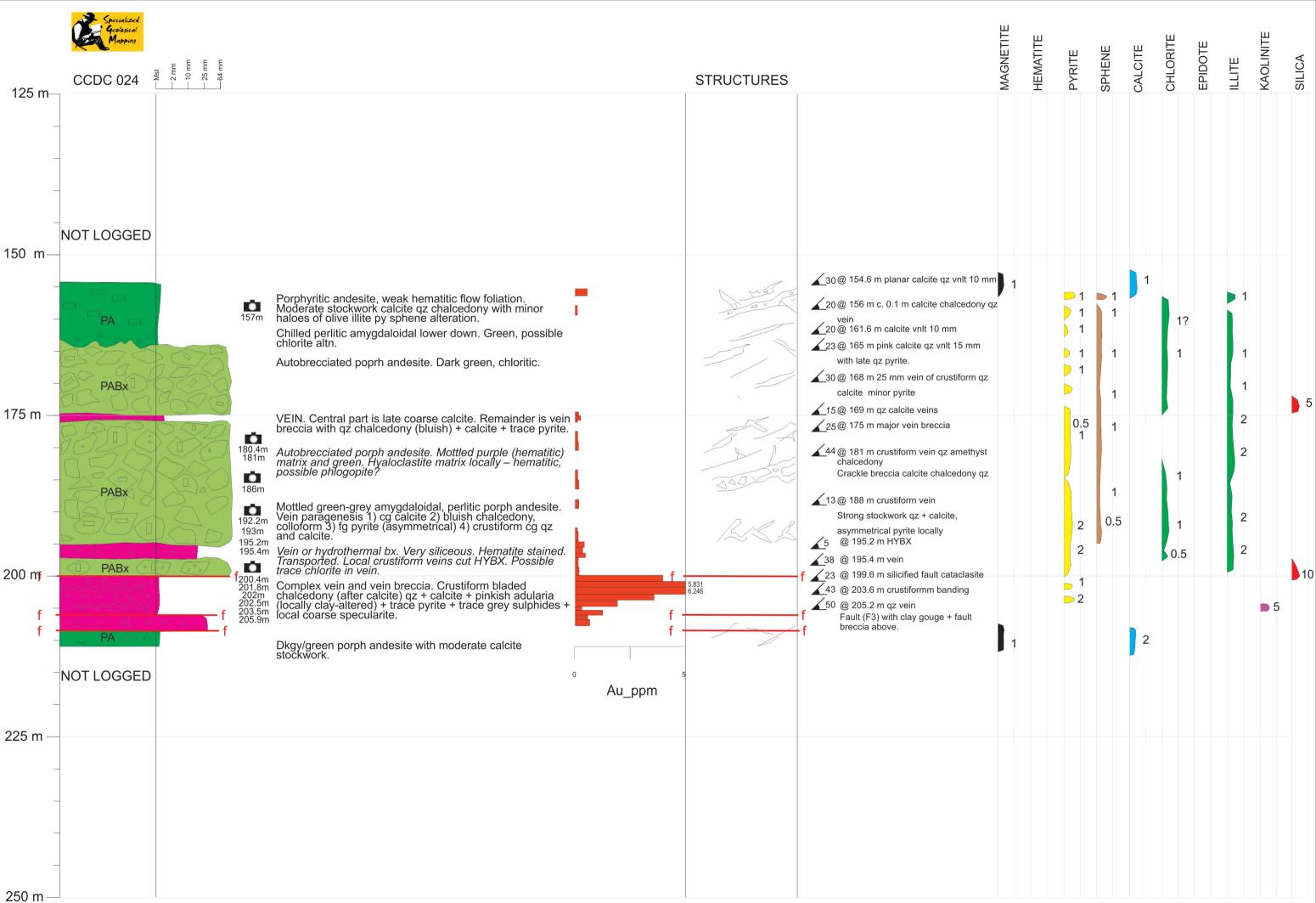


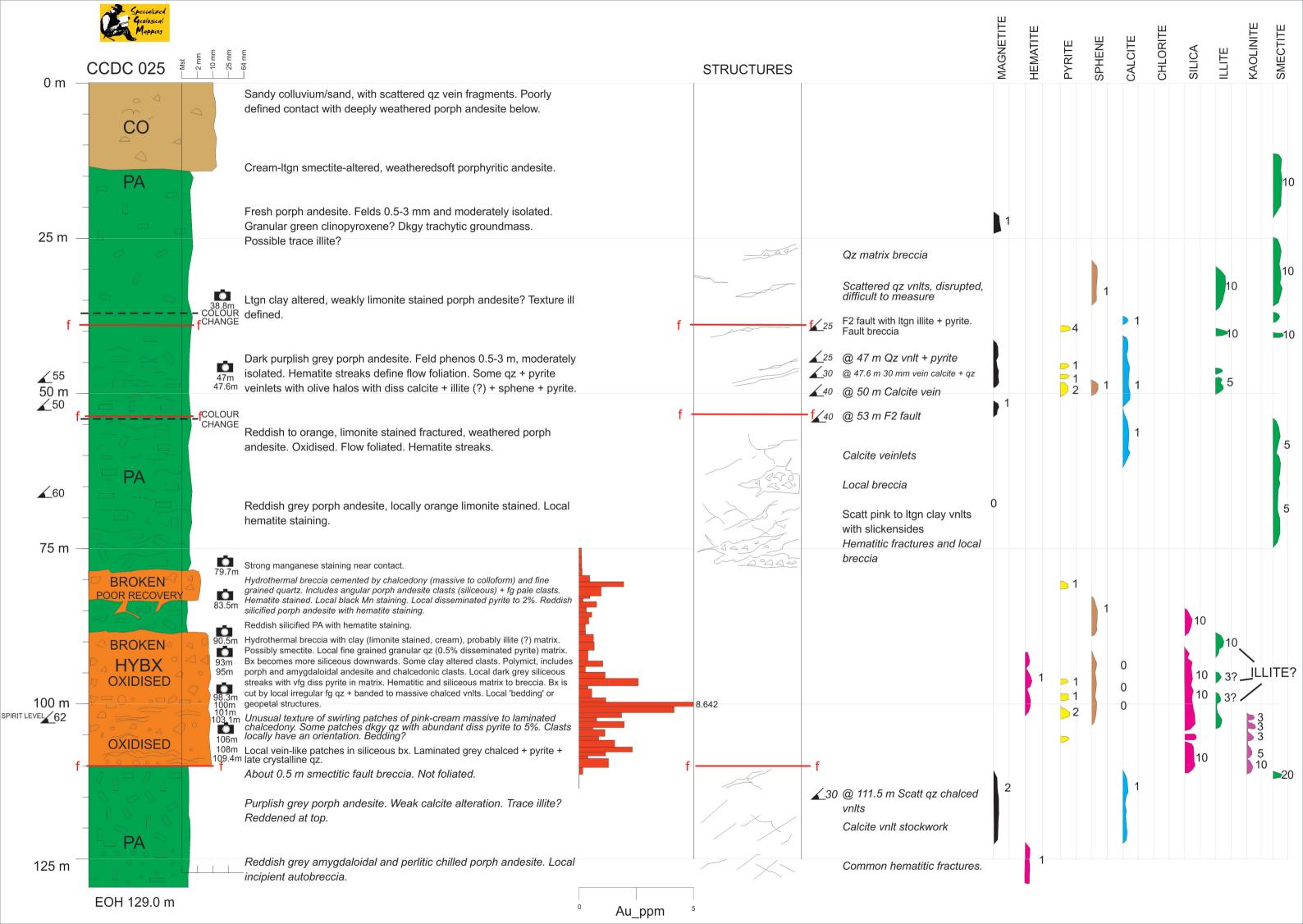
MAGNETITE CCDC020 - Mst - 2 mm - 10 mm - 25 mm - 64 mm CERD DEO STRUCTURES 50 NOT GOVED 78.5 Chilled glassy pertite anygdaloidal &A. bad hijalo dastete Corally flow Jolialed A 86.5 they veins challed + entering 92 + calite 1 BPOKEN SANDY 96.7 The fil amygdabidd PA E 0 0 0 100 **P**. \$0.5 How for PA reddich gruy Sign bial workle bx With 100 form challed + cutcheal + for 92 D Purplish gry PA. Fild phenos 0:5-3mm mod Isolated V/g gd. Almost glassy. A D 0 Win Stock and Chilled Jg PA to Olive green glassy 3 Junice Capilli Loff. Silicous D 126 125 Crackle by early 92 128.3 late coarse calle 00 How for anyged PA - schnesser . 92/calike anygeder 135.8 10 Chilled glassy PA. Maygdalsida vein to D. Sm Jg q2/ endednal q2/ coase calify -5 massing vein coulety barded calute bond rock frags (in coursing downwarde). Passes into phre due bx ? inthe siliceous lyn se dimente fill; Includes calute ven frags 20.5 150 150.6 153.6 1. Au 12 AL Strong of thatad stock Valute with kinalite 1 cm by 245 syn-mirent fault A & A 168.8 17Anajor ault - Sandy core to EOH. BI

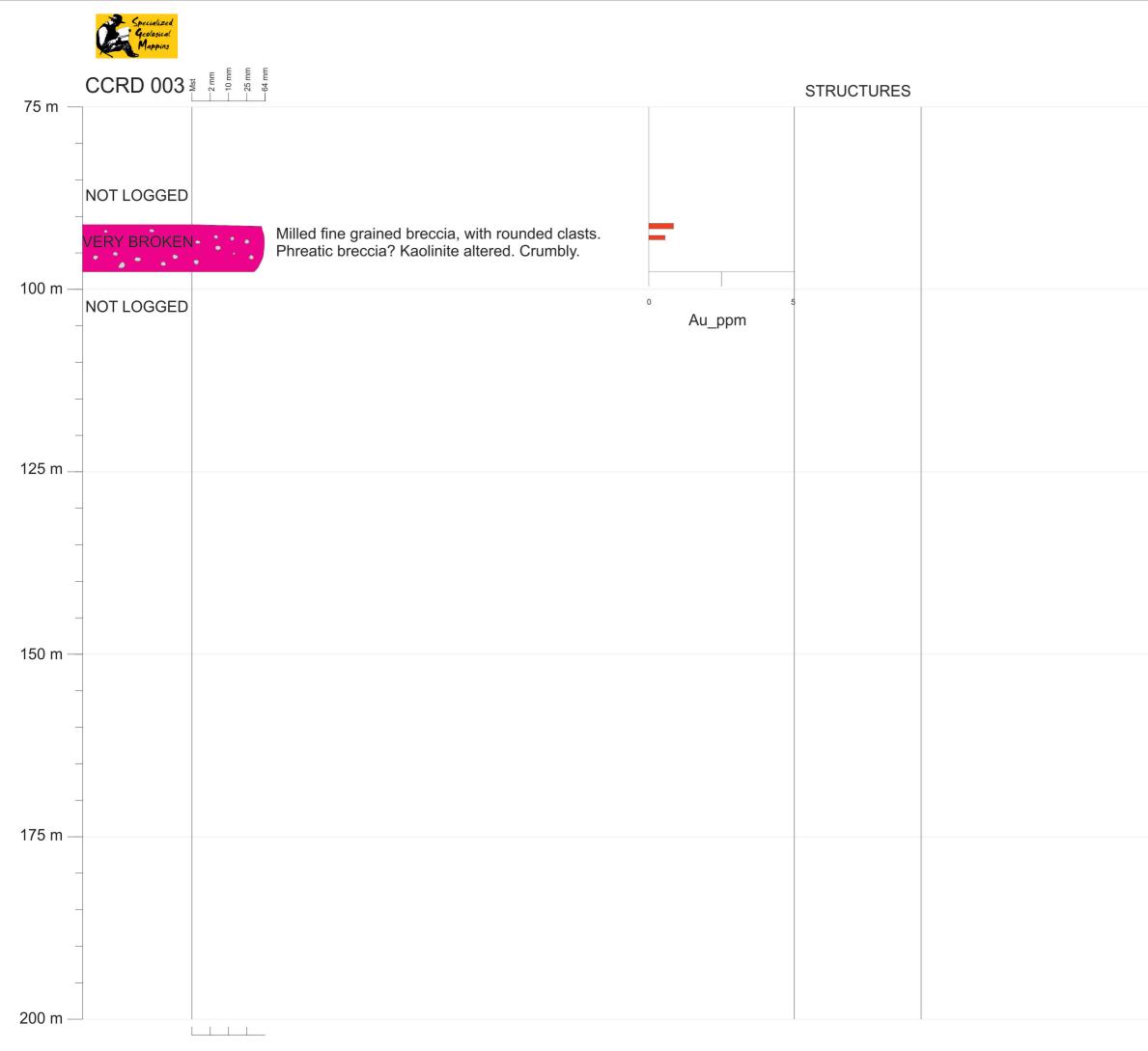
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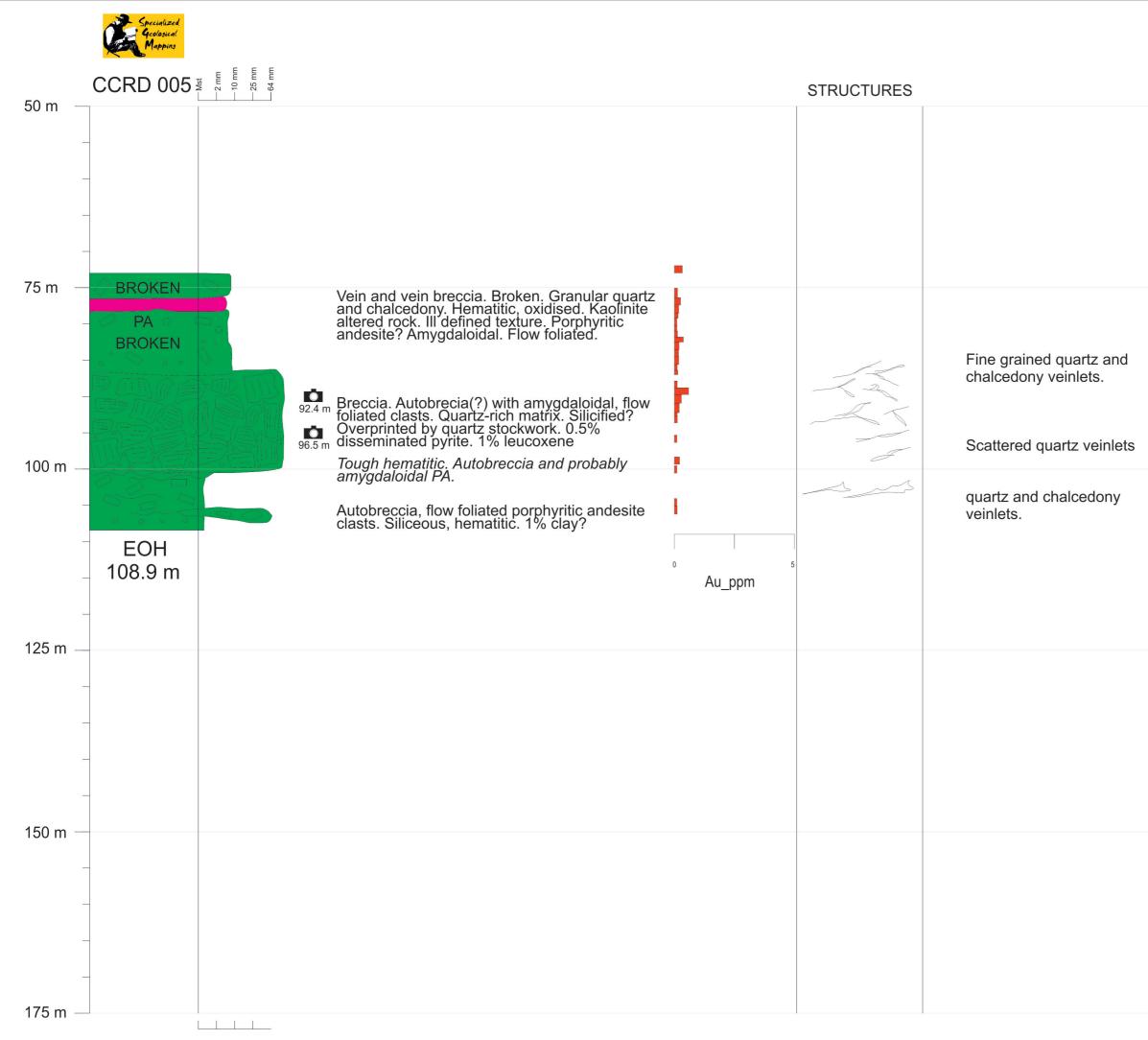
Specialized Geological Mappins MAGNETITE CCRD003 West STRUCTURES 75-NOT 2 Lo feed Milled Joy 6x - clayey, inthe rounded clash-Phreater 6x? Kastinite altered. Coumbly Tea V. BROKENO 000 00 NOT Lo Gren .

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2 3



HEMATITE	PYRITE	SPHENE	CALCITE	CHLORITE	EPIDOTE	ILLITE	SERICITE	SMECTITE

Specialize Geological Mappins MAGNETITE CCRD006 10 mm STRUCTURES 7 S-NOT WHED local flow foliation A H 17 Mod ge stock north Red Oxidised hematite staired porphandesite L Veirs and bx fill comprise early colleform challedony, latter lomb q2. Possible white adularia or albite tocally, DXIDISED BROKEN and miner cracka by D vein to at least 0.2m BROKEN variety of direction, D 100 -260 gz vin Who dkgn PA. Olive, Yough, O'l. may. 21. due day alter offeld phenos 0.5-3mm, 11. leves we sphere. O.S. 1. ofg diss Veins cost form collaform chalcedory and banded calcute. Calcite scens lake in paragenesis 4 四. 106 I 25 Carbonate Uni 1 226 to childredony veri 23 g2/calita veri F BROKEN 1-5 1. E 1 beins + trackle bx. local 122.7 123.3 124 Massive vein mostly white massive calite (locally bladed) board trace boards for pyrite. Fairly structureless vein borstly it 130.4 Is a Mix of challedony + dogs kooth calite 130.4 Is a Mix of challedony + dogs kooth calite davey gr canties 125 -132 greatite vin contact 185 mins calite + chaledony P 130.4 PD PA dive green 11. Leuro xire. 0.25% ofg py 11. day. 0% mag Massive bein bommon coarse calite bially davy Alteration increasing. Tough . 27. dis py 17. lencoxere IE An D 5 EOH WHY WAS HOLE STOPPED ? STILL IN VEINS 137.88. 150 175-200

HEMATITE	PYRITE	SPHENE	CALCITE	CHLORITE	EPIDOTE	ILLITE	SERICITE	SMECTITE
		•						
1								



## STRUCTURES



HEMATITE	PYRITE	SPHENE	CALCITE	CHLORITE	EPIDOTE	ILLITE	SERICITE	SMECTITE

Specialized Geological Mappins MAGNETITE STRUCTURES Very backen sandy PA? boad calite very preserved. Smr. DY. bally obviously PA with prosable flow for Oxidesed, bookan. No obvious vectors. 75 EOU 80-25 m .100 125 .

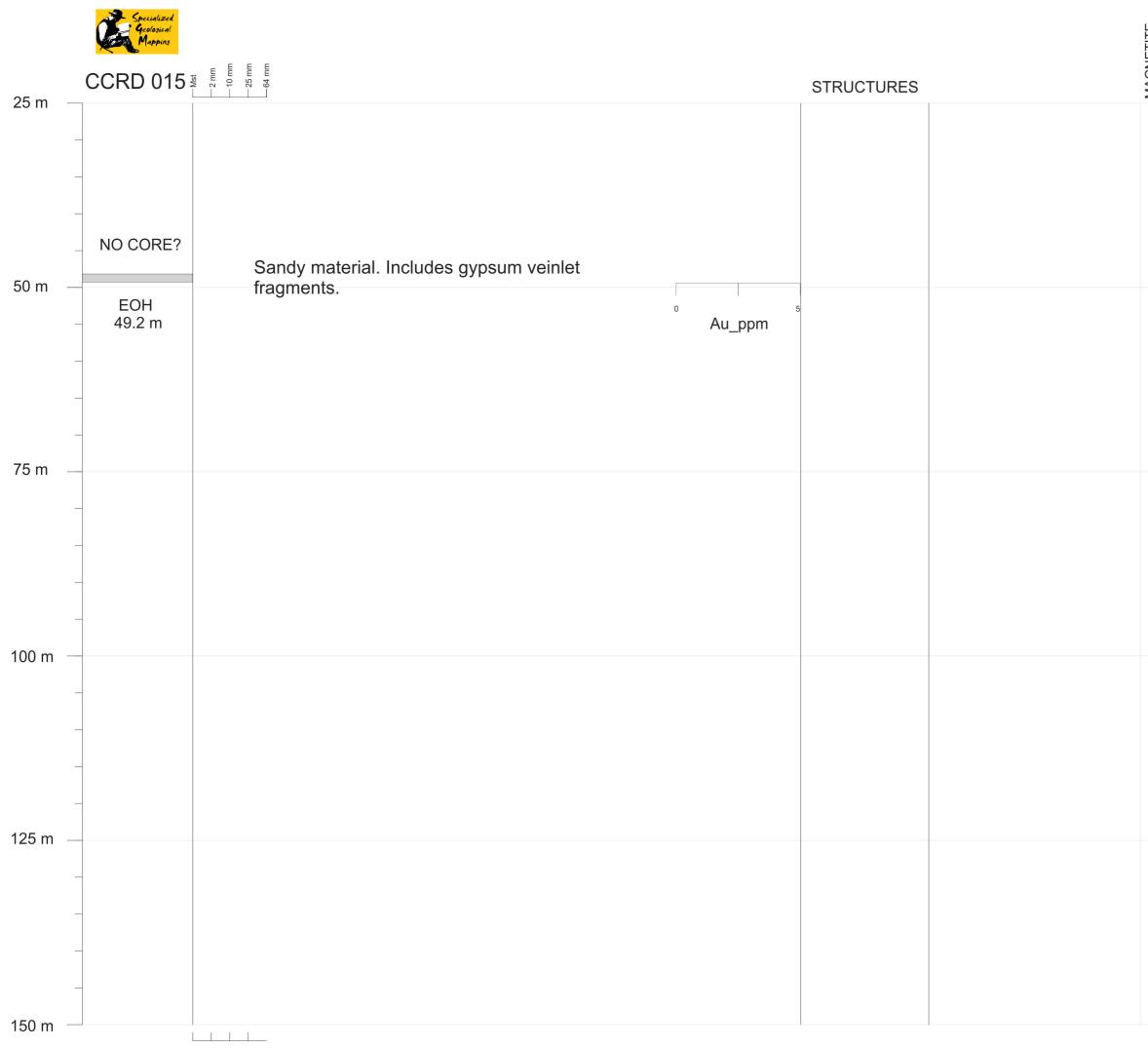
	HEMATITE	PYRITE	SPHENE	CALCITE	CHLORITE	EPIDOTE	ILLITE	SERICITE	SMECTITE
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Specialized Geological Mappins MAGNETITE 25 - 10 CCRD013 **STRUCTURES** NOT Kung LOCIED 5A4 44.8 f-b BRUKAN O -F Smether clay gove major faile. 1 0 6 CK. 62BAOKON = JT Tough ternatile set PA. 3-41. day. H A EDU 63.02~ . 75

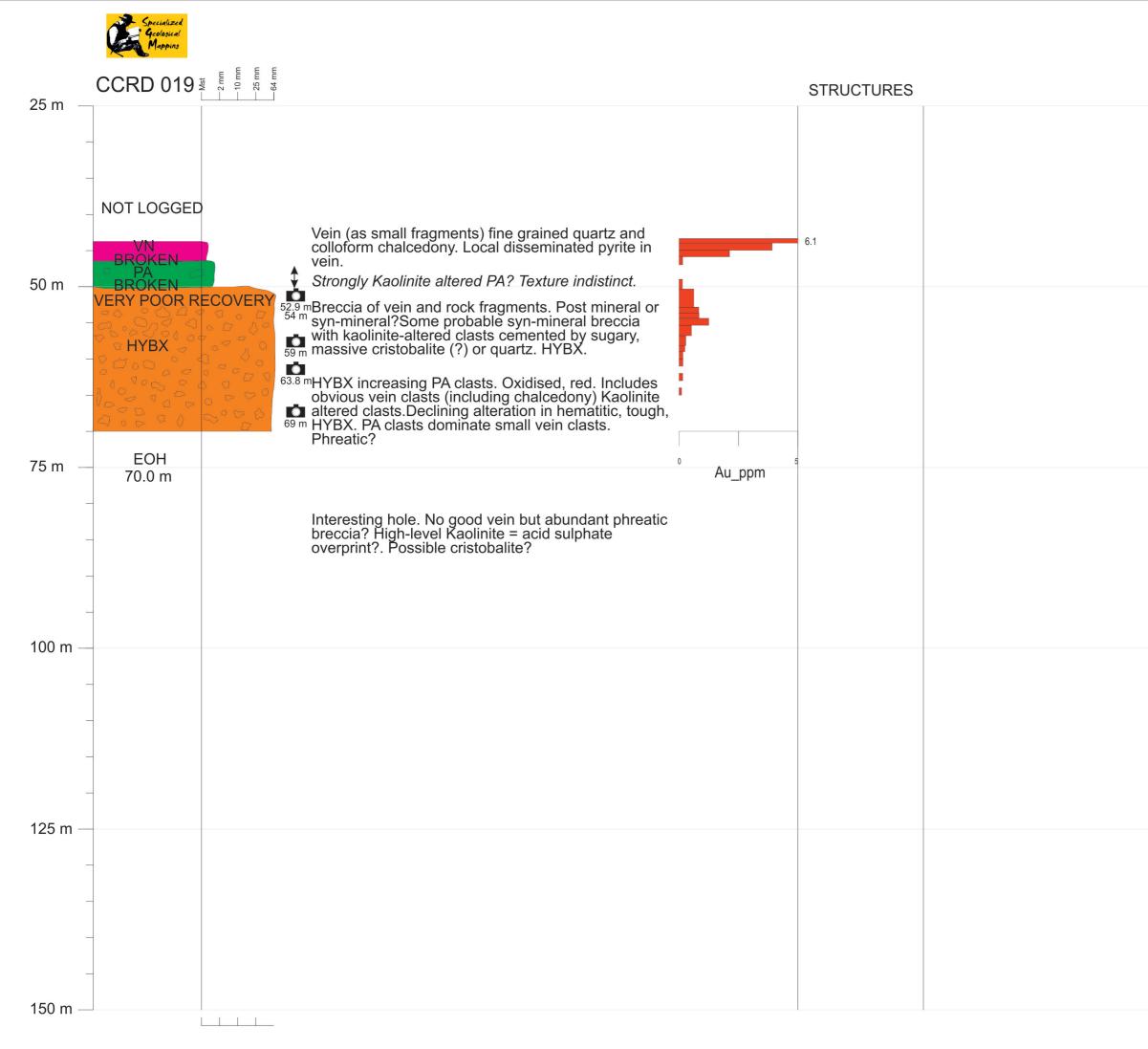
HEMATITE	PYRITE	SPHENE	CALCITE	CHLORITE	EPIDOTE	ILLITE	SERICITE	SMECTITE
		•						
7				**				

Geological Mapping MAGNETITE CCRD014 Mist STRUCTURES 75 NOT WEVED Sardy, very broken love. Oxidised, crombly. V. BLOKON P 100 Lign Tough PA - glassy groundners. Mod isolated Jele prons. Oxidised: M 103 2 Thin crustiform vein M OXIDISED Coll challed adularia - Krace V BLOKEN grey sulphides PA glassy with as pertitie texture. 21. dis py. 5% illute 14. 21 D. D F II 3 OXIDISED Yellowish - Hogy illeter py faltered PA. flow foliated major fault with B H Smithe they gauge A 21 challed only venlek 118.7 Ohire - Hypy tough PA . 11. Lew coxure 0.51 diss py. 1 0×12150 Trenish Lign banded silicous huffs? Firsty a spirt level 126.3 Grint hud greenist challedonic sediment + challedony Bto Ker 125 vein bx with colloform and massive challedony Challed - dominated vein Rave streaks dkgy chaleday 133.6 A. AD OXIDISED EAR D BLOKEN (feddish oxidisid tagk flow platid PK. Fild pteros 0.5- Zm an inorded. 2. Ilike. 557F FL26 Fault contact F2 or F2 BROKEN 2 0 147.6 an invided 5 + major fault - major change in lithday y ast nine ral thin BX - tectonic. Upto 3% diss py Syn-mineral F Comenter by Jg 92. 1501= T D Dik grein grey PA 1-21 may 21. calite (diss). Frace day filds 0.5-3mm. D.S. (euroxen. Puplish grey (ternatite) [[] [] [] [] [] [] in errerald green spote and patches. Scalt valite mts. 160 5 5 Calute veinlets often foliated with minor temalete F D FOM 175 FIM

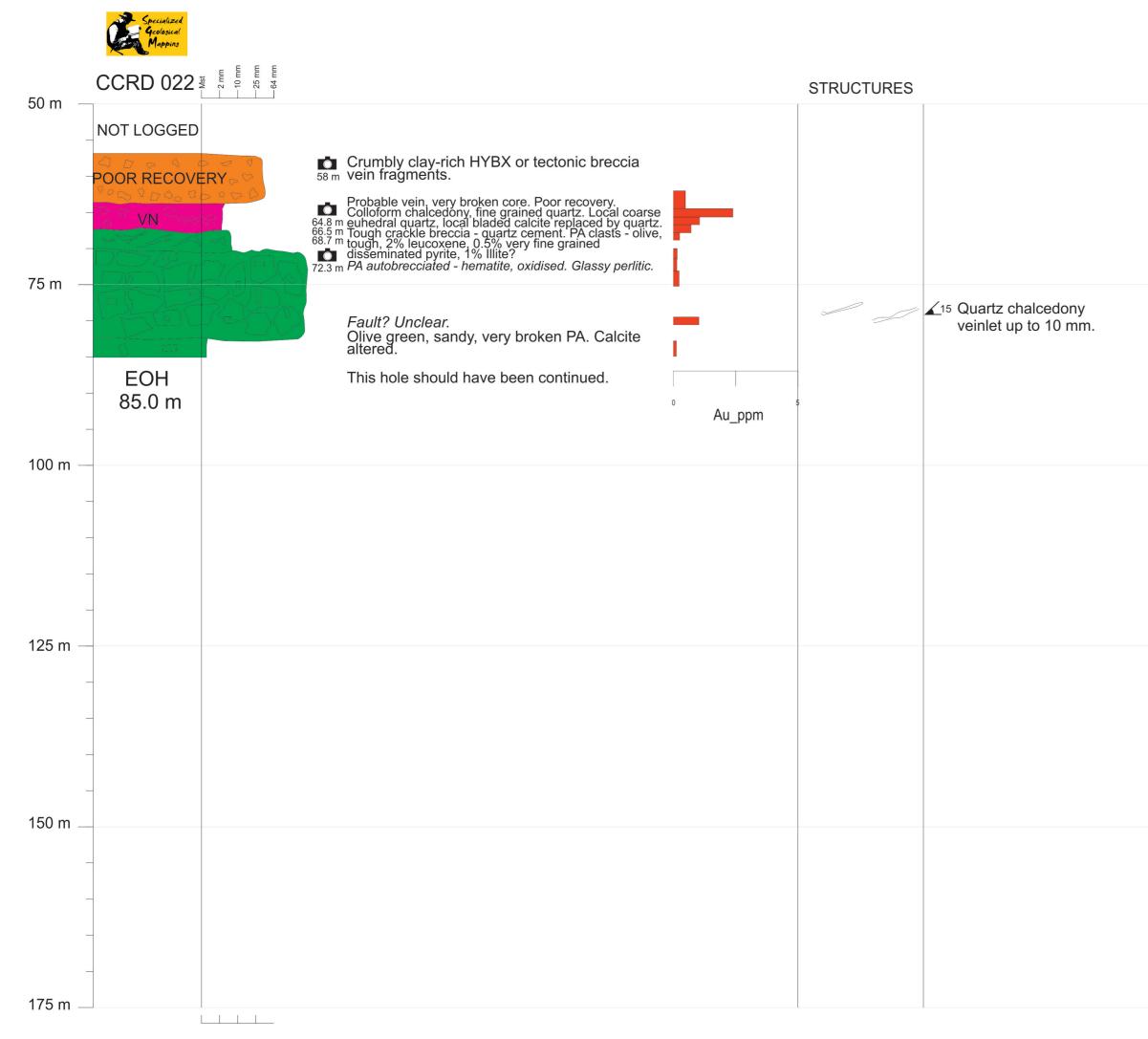
HEMATITE	PYRITE	SPHENE	CALCITE	CHLORITE	EPIDOTE	ILLITE	SERICITE	SMECTITE
21.								
			2			3		



MAGNETITE	HEMATITE	PYRIIE	SPHENE	CALCITE	CHLORITE	EPIDOTE	ILLITE	SERICITE	SMECTITE



HEMATITE	PYRITE	SPHENE	CALCITE	CHLORITE	EPIDOTE	ILLITE	SERICITE	SMECTITE



HEMATITE	PYRITE	SPHENE	CALCITE	CHLORITE	EPIDOTE	ILLITE	SERICITE	SMECTITE

Appendix 2 Video of 3D workspace

