DRILL HOLE RECORD — COMINCO LTD.

Property: TAG
Commenced: 08/11/94
Completed: 08/13/94
UTM Coordinates:415047E/6815747N
Contractor: D.J. Drilling
Logged by: H.C.Schultze
Drill: Boyles 25A

District: Watson Lake
Location: Yukon
Core Size: NQ
Claim Reference: Tag 23
Tract/Claim: YB46249
Elevation: 1384 m

Hole No.:T94-33
Length: 230.4 m
Cor. Dip: -45
True Brg.: 180
% Recovery: 100

Metres From	To	Plot Code	Description
0	17.1	OVB	**OVERBURDEN**
17.1	25.3	FTC	**QUARTZ/SERICITE (CHLORITE/BIOTITE FEC03) FRAGMENTAL SCHIST** Light to medium grey/green sericite/quartz schist with fragmental and locally ribboned texture chlorite (2-5%) and biotite (2-3%) as fine disseminated flakes in fine quartz, sericite, FeC03 4-5% matrix. Quartzose fragmental forms and ribbons commonly to 0.5 cm wide. Po (2-5%) common as fine disseminations, elongate blebs and wispy lamellar bands parallel to S2. S2 to core axis 23.2 is 65°.
25.3	25.5	QZVN	**QUARTZ VEIN** Bull quartz vein with internal schist fragments
25.5	33.8	FTC	**QUARTZ/SERICITE (FEC03) RIBBONED TO FRAGMENTAL SCHIST** Light grey/green quartz/sericite schist with ribbon striped to fragmental forms quartz. Not unlike above interval except lacks chlorite and biotite component. Po (2-5%) as disseminated grains, blebs and wispy bands with quartz.
33.8	34.2	MD	**CHLORITE/BIOTITE/CC (QUARTZ) SCHIST** White brown speckled medium green schist with white/grey bands. Margins on either side are fine grained for several cm with a coarser white crystalline (2-3 mm) phyllosilicate/cc center. Quartz occurs with cc as 1-5 mm wide parallel bands. Roughly 20-25% biotite, 35-345% chlorite, 25-30% cc and 5-8% quartz.
34.2	36.9	FTX2	**SERICITE/QUARTZ/FEC03 RHOMB (CHLORITE/BIOTITE) BANDED SCHIST** Light grey green sericitic schist with 25-40% white quartz bands. Rock has a silica indurated appearance. Quartz bands vary to 2 cm thick. Schist has 15-25% FeC03 content with 1-2 mm rhombic forms between 35.1-35.4. Seams adjacent quartz bands commonly have a light medium green chloritic hue and very fine biotite speckling. A 0.5 mm D3 fracture with cc & biotite alteration halo/selvage along S2 cleavage planes. Quartz vein between 35.9 36.1.
36.9	46.5	FTC	**QUARTZ/SERICITE (FEC03) FRAGMENTAL TO RIBBONED SCHIST** As in 25.5-33.8.
46.5	51.1	MDX2	**CHLORITE/CC/CC RHOMB (QUARTZ) BANDED SCHIST** Medium green chloritic schist with 10-25% cc as fine interstitial component, 1-10 mm wide bands and 0.5-3mm rhombs. Quartz commonly present with cc in S2 parallel bands. Upper contact is sharp while lower contact is rapid gradational over a 10 cm interval. S2 to core axis @ 50.7 is 70°.
51.1	65.2	FTC4	**QUARTZ/SERICITE/(BIOTITE/CHLORITE/FEC03) FRAGMENTAL TO GRANULAR SCHIST** Fragmental form to ribboned quartz/sericite schist with trace to several % light green chlorite along sericitic seams. Biotite porphyroblasts 0.5-2mm locally impart a fine peppery texture, notably between 52.3-56.5and 64.6-65.1. With the exception of the biotite porphyroblasts, the unit is similar to the fragmental form intervals above.
65.2	65.4	QZVN	**QUARTZ VEIN** Quartz vein with FeC03 (20-30%) as coarse clots and trace po. Ragged bounding contacts.

65.4	**68.2**	FTX2	**SERICITE/QUARTZ/FECO3-RHOMB (CHLORITE/BIOTITE) BANDED SCHIST** Unit very similar to one described between 34.2-36.9
68.2	**74.4**	FTC	**QUARTZ/SERICITE/(FECO3) FRAGMENTAL SCHIST** As in 25.5-33.8 S2 to core axis @ 69.9 is 70°. Few specks chlorite in basal 30 cm.
74.4	**74.8**	MD	**CHLORITE/BIOTITE/CC (QUARTZ) SCHIST** Unit very similar in character to 33.8-34.2. Margins lack fine grained character however and end with coarse grained habit with few biotite and chlorite specks in country rock.
74.8	**77.2**	FTC	**QUARTZ/SERICITE (FECO3) FRAGMENTAL TO GRANULAR SCHIST** As in 25.5-33.8. Quartz vein @ 76.9-77.0 with few clots of purple/brown sphalerite and 1-2 mm galena crystals.
77.2	**78.3**	MDX2	**SERICITE/BIOTITE/CHLORITE/FECO3 RHOMB (QUARTZ) SCHIST** Washed out quartzose margin (65-70° quartz) with speckled biotite, green chlorite and FeC03 between 77.2-77.6. Unit then has a fine laminar character with FeC03 porphyroblasts to 3 mm in sericitic, calcareous matrix with several percent fine biotite and chlorite locally.
78.3	**87.7**	FTC	**QUARTZ/SERICITE (FECO3/CHLORITE) FRAGMENTAL TO GRANULAR SCHIST** Light grey/green rock similar to fragmental form/granular schists above. Green chlorite (1-3%) present as disseminated flakes between 80.7-80.0, 82.4-82.8, 86.9 m and 87.5-87.7.
87.7	**88.6**	QZVN	**QUARTZ VEINED INTERVAL** Quartz with clotty FeC03 veined zone with schist inclusions. Schistose fragments are sericitic to biotitic with chlorite. One fragment @ 88.4m is excellent example of a biotitized sericite unit (or vice-versa).
88.6	**89.0**	FTC	**QUARTZ SERICITE (FECO3/CHLORITE) FRAGMENTAL SCHIST** Same unit as in 78.3-87.7.
89.0	**89.3**	FTA	**SERICITE/QUARTZ/FECO3 SCHIST** Light grey green schist with 45-55% light grey/green sericite, 20-30% quartz, and 20-25% FeC03. Thin elongate po blebs (3-5%) 0.5 mm x 2-4 mm are evenly disseminated parallels to S2 throughout. S2 to core axis @ 60°.
89.3	**89.35**	OI	**PYRITE/QUARTZ (SERICITE/SPHALERITE) SCHIST** 25-30% fine grained euhedral pyrite in fine grained quartzose groundmass with minor sericite and < 1% sphalerite as disseminated fine grained. Unit is smeared or incorporated into adjacent units along S2 cleavage.
89.35	**97.8**	FTXF	**QUARTZ/SERICITE (FECO3) FRAGMENTAL SCHIST** Light grey/green fragmental form to granular quartz/sericite schist. Pyrite occurs locally as fine euhedral grains with quartz in thin wispy bands and disseminated grains (1-3%). Trace sphalerite in a quartzose/FeC03 bearing seams 1 cm wide parallel to S2 @ 94.7 m.
97.8	**110.4**	FTXF	**QUARTZ/SERICITE (BIOTITE/CHLORITE/FECO3) FRAGMENTAL SCHIST** Same unit with 2-6% green chlorite and dark brown biotite as local disseminations and over a broad interval between 99.4-101.1. S2 to core axis 99.4 is 70°. Quartz ribbon to fragmented quartz ribboned character present between 108.4-109.4 with S1 @ 30° to core axis and S2 @ 70°.
110.4	**110.8**	FTA	**SERICITE/QUARTZ/FECO3 SCHIST** As in 89.0-89.3 interval
110.8	**112.3**	FTXF	**QUARTZ SERICITE (CHLORITE/FECO3) FRAGMENTAL SCHIST** Same unit as in 97.8-110.4 without biotite.

112.3	**132.5**	FXXF	**QUARTZ/SERICITE (CHLORITE/BIOTITE/FEC03) FRAGMENTAL TO GRANULAR SCHIST** Light grey/green quartz/sericite schist exhibiting granular texture. quartz fragmental forms present locally and commonly with 2-5% disseminated biotite. FeC03 occurs as fine flaky groundmass component and as fine flakes in quartz forms green chlorite occurs as local flakes and rare chloritic seam. Pyrite commonly occurs as thin bands with fine grained quartz along S1 into S2 where evident is @ 10 to 30° to core axis.
132.5	**144.2**	FTXG	**QUARTZ/SERICITE (FEC03) GRANULAR SCHIST** Light grey/green lacking yellow/green sericite typical of Fag type rock.
144.2	**161.8**	FXXG	**QUARTZ/SERICITE (BIOTITE/CHLORITE/FEC03) GRANULAR SCHIST** Granular fabric quartz/sericite schist with local fine disseminated chlorite (1-3%) and biotite (1-2%) to 152.2 followed by a schist with pervasive biotite and chlorite component to 6-8% imparting a slight mottled to mottled banded character. Chlorite is a medium dark green hue, biotite is dark brown.
161.8	**171.7**		**QUARTZ/SERICITE/CHLORITE (BIOTITE/FEC03) SCHIST**
161.8	**170.5**	FYXB	Light grey/green quartz/sericite schist with dark grey chlorite seams imparting wispy laminar
170.5	**170.8**	FLT	character. Dark grey chlorite varies from trace to 20% along closely spaced S2 cleavage planes.
170.8	**171.7**	FYXB	Medium green chlorite and biotite (2-5%) commonly present as flaky grains/porphyroblasts in matrix S2 to core axis @ 163.5 is 80°. Gouge @ 170.5-170.8 m over 5 cm intervals.
171.7	**177.8**	FZXG	**QUARTZ/SERICITE (FEC03) RIBBONED TO GRANULAR SCHIST** Light yellow/green quartz/sericite schist typical of Fz unit. Pyrite (1-3%) occurs as disseminated grains and wispy bands along S2. S2 to core axis @ 174 is 85°.
177.8	**211.0**		**QUARTZ/SERICITE/CHLORITE (BIOTITE/FEC03) SCHIST**
177.8	**183.0**	FYXB	Unit similar to 161.8-171.7. Interval between 183.0-183.3exhibiting 20-25% jade green chlorite component with 8-10% dark grey chlorite and 4-5% disseminated po. Galena (<1%) as 0.5-1 mm crystals, <1% fine grained sphalerite and 4-5% dark brown biotite occur in a 10 cm interval
183.0	**183.3**	AT	between 183.2-183.3. Margins are transitional into mottled green chlorite, laminar dark grey chlorite rock. Disseminated cpy and sphalerite also occurs between 198.5-199.0 and 207.9-208.0.
183.3	**211.0**	FYXO	Dark green chlorite component increases progressively downhole. Last remnant of dark grey laminar chlorite rock evident @ 210.5 m and of quartz @ 211.0 m. Excellent example of varved thin laminar dark grey chlorite/quartz schist between 209.1-209.2 subparallel to core axis.
211.0	**215.0**	MMX3	**CHLORITE (CC) SCHIST** Medium to dark green chlorite (jade green) schist with 5-10% cc developed locally as lensoidal ribbons or mottled textured matrix component. Cpy rich interval (1-2% Cu) with Po (5-6%) and trace sphalerite between 214.9-215.0 m. The mineralized interval also has 5-8% cc/FeC03 as disseminated rhombic crystals to 3 mm wide and as mottled interstitial flaky matrix component with 2-3% flaky sericite. Cpy occurs as coarse clotty stringers subparallel to S2. Dark green/black chlorite is also present at roughly 5-8% as 2-3 mm wide ovoid porphyroblasts/grains S2 to core axis @ 212.9 is 75°.
215.0	**223.9**	MB	**CHLORITE/CC SPOTTED RIBBONED SCHIST** Abrupt contact with mineralized chlorite schist above. Unit has banded schistose fabric to 215.8 then retains typical porphyroblastic/spotted cc character.
223.9	**229.7**		**BIOTITE/CHLORITE/CC SPOTTED RIBBONED SCHIST**
223.9	**227.4**	MN	Biotite initially 5-8% as fine flakes in ovoid clusters increasing to 20-25% biotite as coarse
227.4	**229.7**	MNX4	disseminated flakes (1-3 mm) between 227.4-229.7.
229.7	**230.4**	FTA	**QUARTZ/SERICITE/CC BANDED SCHIST** Rapid transitional contact with overlying mafic rock. Coarse biotite is disseminated in upper 10 cm. Unit is light green in colour. S2 to core axis @ 80°.
			END OF HOLE @ 230.4 m.