

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.00	«CASING»					
3.00 TO 37.40	«BASALT»	Greyish/green. Very fine to fine-medium grained. Greyish/green colour overall with orange brown weathered surfaces along fracture & weak foliation planes. Texture varies from v. fine to fine-medium mafics with occasional coarse grained phenocrysts of feldspar. The coarser grained zones appear more into a diabase than a basalt, but no intrusive contact zones are observed. Much of the interval from 20.0-30.0m has speckled feldspathic microcrysts. 1-3% quartz calcite veins & veinlets with predominant orientation parallel to fracture and foliation. Occasional vuggy veins. Minor fault/fracture intervals of blocky broken core overall, but increasing to lower contact.	60	Rusty oxidation of mafic minerals. Moderate chloritic alteration in rough-out. Occasional zones of alteration(?) have locally resulted in a coarsening in grain size & bleaching of the mafic so that intermediate/mafic patches appear within the basaltic host. eg. 30.4 and 34.0m.	No sulphides observed, possibly destroyed by oxidation.	
37.40 TO 46.80	«BSLT FLT ZONE»	Greyish/green and brown. Very fine to fine-medium grained. Fault zone in greyish/green basalt. Brecciated zones are oxidized to a rusty orange/brown colour. 1-2% qtz calcite veins and veinlets in remnant blocky intervals. Occasional vuggy qtz calcite veins.		Oxidation mafics to rusty iron oxide & manganese.	No sulphides.	Basalts are of massive (flow) origin. No pillow selvages observed.
46.80 TO 50.90	«BASALT»	Greyish/green and brown. Very fine to fine-medium grained. Relatively more competent interval of basalt with rusty brown oxidation or fracture and weak foliation surfaces. (55-70degs.) Minor fault contact with underlying unit. 1-3% qtz-calcite veins and veinlets.	62	Iron/manganese oxidation of mafics.	No sulphides.	
50.90 TO 69.30	«VUG QTZ BX/BSLT»	Greenish/brown. Fine to coarse grained. Greenish brown, fine to medium grained basalt invaded by quartz-calcite rich fluids to form patches/veins of white qtz-calcite and occasional silicified, vuggy brecciated sub-intervals. eg 56.6-60.0m. (Hydrothermal Bx?). The interval is intermittently faulted overall but with a major fault brecciated zone. ‡53.9-56.7‡ «Flt Bx Zone» Minor faulted lower contact.		Mafic minerals have been oxidized to rusty brown iron oxide and patchy black manganese.	No fresh sulphides present. Any pyrite will have been oxidized.	"Epithermal Gold Zone"

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
69.30 TO 80.70	«PORPH MAFIC»	Dark bluish/black to greenish/brown. Fine to coarse grained. Dark bluish black to rusty greenish/brown, fine to coarse grained, pyroxene to feldspar phyrlic, dominantly mafic lithology.		Weak alteration of feldspar to pale green epidote. Oxidation along fracture and foliation planes.	No sulphides.	Difficult to interpret lower contact, whether intrusive or perhaps a flow.
80.70 TO 89.30	«BASALT»	Greyish/green. Very fine to fine grained. Greyish green, very fine to fine grained basalt (flow?). Interesting lower contact, subrounded large clasts basalt (to 16cm) are immersed in black very fine argillite. Weak chloritic foliation at (60-70deg)	65	Moderate to intense chloritic alteration.	No sulphides.	
89.30 TO 99.90	«BSLT/CHT/ ARG»	Greyish/green & black. Very fine to fine grained. Mixed interval of basalt chert and argillite. Faulted lower contact at angle to c.a. (60-70degs)	65		Secondary pyrite occurs along fractures as smears and blebs.	
99.90 TO 105.10	«BASALT»	Greyish/green. Very fine grained. Greyish/green fine grained basalt. Weak chloritic foliation. Faulted interval 102.2-102.7 «Maf. Flt Bx/Gouge» 1-2% qtz calcite veins.		Moderate chloritic alteration.	No sulphides.	
105.10 TO 107.00	«DIABASE»	Greyish/green to pale green. Medium to coarse grained. Medium grained diabase intrusive with dominant epidote (after feldspar) groundmass.		Moderate chloritic alteration. Feldspars -> epidote.	No sulphide.	
107.00 TO 136.40	«BASALT»	Greyish/green to pale green. Fine to medium grained. Overall massive fine grained basalt. However medium grained zones are locally found with texture/mineralogy characteristic of a diabase.		Moderate chloritic alteration.	No sulphides.	Possibly multiple diabase dykes infilling voids in basaltic pile?
136.40 TO 143.10	«ARG/BSLT»	Black and greyish/green. Very fine grained. Mixed interval of argillite and basalt, the latter dominating. The argillite basalt contacts are irregular, perhaps representing 'muddy infillings' between basaltic flows? Conformable lower contact.		Chloritic alteration of mafic.	Minor secondary pyrite in fractures.	
143.10 TO 144.60	«ARG»	Black. Very fine grained. Competent interval of black argillite. Numerous, thin quartz calcite veins (<1mm) invade the argillite along weakly developed cleavage planes at an angle to c.a. of	30		<1/2% pyrite in fracture and cleavage planes.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
144.60 TO 148.70	«BASALT»	Greyish/green. Very fine grained. Greyish/green, very fine grained basalt. Upper & lower contacts are sharp at angles to c.a. of	60	Moderate chloritic alteration.	<1/2% pyrite in fracture and foliation planes.	
148.70 TO 161.80	«MAF/CHT ARG»	Pale green, grey and black. Very fine grained. Mixed interval of mafic volcanics and sediments. Silicified very pale green, crypto crystalline rock may be an altered mafic flow/tuff? In the middle of the interval a mafic dyke occurs from: †153.7-154.5† «Mafic Dyke» The contacts are not clear, but the angle to c.a. is approx.: 1-3% of the interval is occupied by qtz-calcite veins and veinlets. Faulted, brecciated, broken intervals occur as follows: 152.8-153.3m, 155.0-156.0m, 159.6-160.6m.	50	Silicification of argillite and mafics. Chloritic alteration of argillite.	<1% pyrite as secondary smears, blebs and cubes on shear/fracture planes and as disseminated grains in argillite.	
161.80 TO 163.40	«MAF FLT BX/GOU»	Pale to darker green. Fault zone at sediment/mafic contact. Rock intensely brecciated and gouged.		Chloritic alteration.	No sulphides.	
163.40 TO 212.70	«BASALT»	Pale to darker green. Very fine to fine to medium grained. Pale to darker green, very fine to fine-medium grained massive basaltic flows. Slight increase in grain size downhole. Zones of medium grained, 'diabase' textured rock have almost imperceptible, transitional contacts with the finer grained basalts. eg. 204.8-205.3m. The interval is punctuated with occasional zones of blocky broken core. END OF HOLE.		Moderate chloritic alteration.	No sulphides.	

HOLE NUMBER: MCM-90-8

ASSAY SHEET

DATE: 27-November-1990

Sample	From (m)	To (m)	Length (m)	ASSAYS					COMMENTS
				Cu %	Pb %	Zn %	Ag g/T	Au g/T	

HOLE NUMBER: MCM-90-8

GEOCHEM. SHEET

DATE: 27-November-1990

Sample	From (m)	To (m)	Length (m)	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MG0 %	MNO2 %	NA2O %	P2O5 %	SI02 %	TI02 %	S %	TOT %	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD24909	50.90	52.90	2.00														2.4	1	34	65	5	1	50	9
BCD24910	59.50	61.50	2.00														1.3	1	58	87	4	1	44	36
BCD24911	89.90	91.40	1.50														3.7	1	290	391	6	1	81	2
BCD24912	143.10	144.60	1.50														2.2	1	79	129	22	1	137	1
BCD24913	156.70	158.70	2.00														1.3	19	51	213	34	1	107	3

HOLE NUMBER: MCM-90-8

GEOCHEM. SHEET

PAGE: 6

MINNOVA INC.
DRILL HOLE RECORD

HOLE NUMBER: MCM-90-7

IMPERIAL UNITS:

METRIC UNITS: X

PROJECT NAME: CM
PROJECT NUMBER: 244
CLAIM NUMBER:
LOCATION: CM MAIN ZONE

PLOTTING COORDS GRID:
NORTH: 10400.00N
EAST: 10075.00E
ELEV: 1175.00

ALTERNATE COORDS GRID: "C"
NORTH: 104+ 0N
EAST: 100+75E
ELEV: 1175.00

COLLAR DIP: -45° 0' 0"
LENGTH OF THE HOLE: 175.20m
START DEPTH: 0.00m
FINAL DEPTH: 175.20m

COLLAR GRID AZIMUTH: 270° 0' 0"

COLLAR ASTRONOMIC AZIMUTH: 270° 0' 0"

DATE STARTED: October 16, 1990
DATE COMPLETED: October 19, 1990
DATE LOGGED: October 20, 1990

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: NQ

CONTRACTOR: PARAGON DRILLING LTD.
CASING:
CORE STORAGE: BARRIERE

PURPOSE: TO TEST EM GEOPHYSICAL ANOMALY.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
78.30	-	-45° 0'	ACID	OK		-	-	-	-	-	
114.90	-	-45° 0'	ACID	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 12.20	«CASING»					
12.20 TO 69.40	«BASALT FLT ZONE»	Pale to dark green. Fine grained. Generally fault brecciated, gouged interval of pale to dark green, aphanitic to fine grained, massive to pillowed basalt. 1-3% quartz calcite veins criss-cross throughout blocky remnants within the fault zone. The contact with the underlying interval is marked by a greenish grey fault gouge/clay. (55-60degs).	58	Moderate to intense chloritic alteration. Weak to moderate carbonate alteration - ferroan dolomitization. Locally intense silicification. «Weak to Mod Fe Dol» «Locally Int Sil»	Secondary grains and blebs of pyrite associated with quartz calcite veins/veinlets and within faulted fragments and gouge. <1/2% pyrite throughout with local concentrations of 1-2% over 5-10cm.	
69.40 TO 98.60	«DIABASE»	Greyish light to dark green. Medium grained. Greyish, light to dark green, medium grained, mafic-intermediate rock (diabase intrusive?) which has been intermittantly faulted to breccia and gouge. 1-2% quartz-calcite veins and veinlets.		Moderate chloritic alteration. Weak saussuritization, epidote pseudomorphing after feldspar. «Mod Chl, Epid of PF»	Secondary pyrite grains and blebs locally distributed in fault & fracture planes.	Overall medium grained diabase but minor pyroxene phyrlic and fine grained intervals occur bounded by fault gouge and breccia.
98.60 TO 104.80	«DIABASE FLT BX/GOU»	Greyish, light to dark green. Fine to medium grained. Concentrated zone of faulting in greyish light to dark green, fine to medium grained diabase, to produce broken brecciated rock and clayey gouge chloritic foliation surfaces.	60	Moderate to intense chloritic alteration.		
104.80 TO 107.00	«PYROXENE DIABASE»	Greyish, light to dark green. Medium to coarse grained. Blocky broken interval of medium to coarse grained pyroxene phyrlic diabase. 1% quartz calcite veins and veinlets.		Moderate chloritic alteration with locally well developed chlorite on foliation surfaces.		
107.00 TO 116.10	«BSLT/ DIABASE»	Greyish green. Fine to medium grained. Core generally blocky to broken with 22% brecciated and gouged. Medium to fine grained diabase is transitional to a fine grained bslt at the contact with the underlying unit. 1% quartz calcite veins and veinlets.		Moderate chloritic alteration with locally well developed chlorite on foliation surfaces. «Mod Chl»	Occasional grains, blebs and smears of pyrite on fracture and foliation surfaces.	Fining in grain size is probably due to a contact chill margin.
116.10 TO 119.70	«CHILL MARGIN»	Grey to black. Very fine grained to crypto-cryst. Generally dark grey bluish black, very fine grained to crypto-crystalline silicified argillite (and chert?). Core is generally blocky and broken.		Spotted, blotchy pale bleached greyish-brown sections within the interval are probably a result of chilling at the sedimentary/intrusive contact.	1% fine grained secondary pyrite in irregular patches, blebs and stringers.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
119.70 TO 140.00	«GRAPH FLT ZONE - CONDUCTOR»	Grey to black. Very fine grained to crypto-cryst. The interval is lithologically transitional with the overlying unit, although structurally it is more faulted. Silicified argillite (and chert) gradually increase in graphite content downhole to the extent that at 129.8-130.0m and 137.6-139.2m pitch black highly graphitic fault gouge occurs.				Coincident with EM geophysical anomaly.
140.00 TO 145.50	«SIL ARG CHT»	Grey to black. Fine grained to crypto-cryst. Blocky and fault brecciated interval of graphitic/siliceous argillite and chert. Compositional layering of 3mm-1cm chert and siliceous argillite occurs at angle to c.a. of: at 140.4m depth.	60	Unidentified patches/coatings of reddish brown material on foliation planes? «Hem on Fol Planes»	Occasional patches and blebs of pyrite, overall <1/2%.	
145.50 TO 168.30	«DIABASE»	Greyish, light to dark green. Fine to medium grained. Green clayey fault gouge marks the contact with the above interval. Intermittantly faulted, fine to medium grained diabase. 1-3% quartz calcite veins and veinlets.		Moderately intense chloritic alteration overall with locally well developed, patchy black/green chlorite on foliation and fault surfaces. «Mod. Chl» ‡158.0-159.4‡ «Bleached» due to quartz calcite veining?		Core generally, blocky and very broken.
168.30 TO 175.20	«PYROXENE DIABASE»	Greyish light to dark green. Medium to coarse grained. Contact relationship with the above unit is unclear. (Probably faulted). Medium to coarse grained pyroxene phyric diabase. END OF HOLE.		Moderate chloritic alteration. «Mod to Int. Chl»	Tr. pyrite on fracture/fault surfaces.	Core becomes more competent to end of hole.

HOLE NUMBER: MCM-90-7

ASSAY SHEET

DATE: 27-November-1990

Sample	From (m)	To (m)	Length (m)	ASSAYS					COMMENTS
				Cu %	Pb %	Zn %	Ag g/T	Au g/T	

HOLE NUMBER: MCM-90-7

GEOCHEM. SHEET

DATE: 27-November-1990

Sample	From (m)	To (m)	Length (m)	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SI02 %	TI02 %	S %	TOT %	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD24906	54.10	54.60	0.50														4.5	1	181	124	4	1	55	3
BCD24907	116.10	117.90	1.80														2.0	90	92	30	17	1	19	4
BCD24908	143.60	145.10	1.50														0.9	44	230	71	34	1	78	1

HOLE NUMBER: MCM-90-7

GEOCHEM. SHEET

PAGE: 5

HOLE NUMBER: MCM-90-6

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: CM
PROJECT NUMBER: 244
CLAIM NUMBER:
LOCATION: CM/MAIN ZONE

PLOTTING COORDS GRID:
NORTH: 10100.00N
EAST: 10150.00E
ELEV: 1220.00

ALTERNATE COORDS GRID: "C"
NORTH: 101+ 0N
EAST: 101+50E
ELEV: 1220.00

COLLAR DIP: -45° 0' 0"
LENGTH OF THE HOLE: 206.30m
START DEPTH: 0.00m
FINAL DEPTH: 206.30m

COLLAR GRID AZIMUTH: 270° 0' 0"

COLLAR ASTRONOMIC AZIMUTH: 270° 0' 0"

DATE STARTED: October 13, 1990
DATE COMPLETED: October 16, 1990
DATE LOGGED: October 16, 1990

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: NQ

CONTRACTOR: PARAGON DRILLING LTD.
CASING: PULLED
CORE STORAGE: BARRIERE

PURPOSE: TO TEST EM GEOPHYSICAL ANOMALY.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
93.60	-	-47° 0'	ACID	OK		-	-	-	-	-	
151.50	-	-47° 0'	ACID	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 27.40	«CASING»					
27.40 TO 33.40	«CHT ARG FLT BX»	Grey to black. Fine grained. Intensely faulted pale greenish grey chert & black graphitic argillite. 95% of interval crushed to gritty fault gouge & breccia. Blocky remnants show very fine veinlets of calcite (<1mm width).			Trace pyrite overall; with local secondary pyrite blebs and microstringers in remnant chert blocks within fault zone.	17% core loss. Fault orientation to core axis difficult to interpret.
33.40 TO 56.70	«PYXNE DIABASE»	Pale to dark green. Fine to coarse grained. Pale green to darker green and grey; fine to coarse grained, pyroxene phyric diabase. Black, coarse pyroxene phenocrysts are evenly distributed in a pale green, aphanitic to fine grained, dominantly feldspathic groundmass. Weak chloritic foliation developed at angle to c/a. 1-2% quartz calcite veins & veinlets (1cm to 1mm) invade the diabase, parallel to foliation and developed as conjugate fracture fillings.	60	Weak to moderate chloritic alteration. Local moderate to intense silicification associated with quartz calcite veins. «Weak Chl., local int sil+cal str.»	Trace pyrite occurs as occasional blebs and smears associated with fractures.	Core generally block and broken. Upper 0.5m is fault brecciated.
56.70 TO 58.20	«BSLT DIABASE»	Pale green to grey. Fine grained. Faulted upper and lower contacts to interval of pale green to grey, fine grained basalt or diabase? 3-4% quartz calcite veins and veinlets, including 2 veins up to 2cm width.	35	Weak to moderate silicification & minor carbonate alteration. Alteration, bleaching has masked the porphyritic texture. Weak to moderate chloritic alteration. «Mod Sil+Cal str.»	No sulphides present.	
58.20 TO 69.50	«PYROXENE DIABASE»	Pale green to grey fine to coarse grained. Pyroxene diabase. Medium to coarse grained pyroxene phenocrysts in aphanitic to fine grained, mainly feldspathic groundmass. †61.0-61.5 † «Fault Bx/Gou»		Feldspars altered to pale green epidote. Weak to moderate chloritic alteration. «Weak Chl. Sauss. PF»	No sulphides present.	Blocky core.
69.50 TO 83.70	«FELDS DIABASE»	Pale green. Fine to coarse grained. Pale green, fine to coarse grained feldspathic diabase in sharp contact with overlying pyroxene diabase. Altered feldspars form pale yellowish green phenocrysts in a relatively darker green aphanitic to fine grained groundmass. 2-3% quartz calcite veining.		Feldspars altered to epidote. Moderately well developed chlorite. †83.3-83.7m † «Pink Felds Diabase» Possibly related to adjacent quartz veining. Moderate chloritic alteration.	No sulphides present in diabase except for section: †83.3-83.7m † «1% Pyrite» in grains & blebs to 1.5mm in size.	Saussuritization of feldspars. Pale pinkish brown leucoxene?

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
83.70 TO 84.00	«QTZ CAL VEINS»	White to grey and green. Zone of quartz calcite veining and flooding within diabase host.	50	Diabase bleached and silicified. «Bleached and Mod Sil.»	No sulphides.	
84.00 TO 99.40	«DIABASE»	Pale to dark green and yellowish green. Fine to medium grained generally more equigranular diabase. Lath like feldspars are well defined by alteration to epidote. 1-2% quartz calcite veins & veinlets.		Feldspars altered to epidote. Moderate chloritic alteration. «Mod Chl.»	No sulphides.	
99.40 TO 101.30	«CHILL MARGIN»	Grey to pale and dark green. Fine grained. Transitional chilled margin between fine to medium grained mostly equigranular diabase and brownish grey chert. 2-3% quartz calcite veins & veinlets.		Feldspars altered to epidote. Moderate chloritic alteration. «PF Epid Alt'd»	No sulphides.	
101.30 TO 103.30	«CHERT»	Brownish grey. Brownish grey crypto-crystalline chert. Up to 60% of the core is broken with the remaining blocks appearing shattered. Occasional veins but numerous micro veinlets of quartz calcite filling criss crossing fractures.			No sulphides.	
103.30 TO 103.80	«CHILL MARGIN»	Pale brown and green. Very fine grained. Transitional chilled margin between cherts and diabase.			No sulphides.	Chill margin not well developed.
103.80 TO 113.10	«DIABASE»	Pale to dark green. Fine grained. Partly altered interval of fine grained diabase which towards its lower contact has patchy/streaky chloritic alteration. 2% quartz calcite veining and veinlets, occasionally intimately associated with the streaks and bands of chlorite. ‡109.7-110.4‡ «Int. Dyke» Greyish green intermediate dyke? Medium to coarse grained and leucocratic.		Moderate to locally intense chloritic alteration. Moderate local silicification associated with veining and flooding. «Mod to Int Chl and Sil»	Trace pyrite associated with fracture planes.	
113.10 TO 113.20	«CHERT»	Grey. Minor fault bounded interval of grey crypto-crystalline chert.				
113.20 TO 120.30	«SIL ARG/MAF TUFF»	Greyish green. Fine grained. Greyish green silicified mafic tuff & argillite exhibiting very fine to fine texture. Gradational lower contact. 3-4% quartz-calcite veins and veinlets in random orientations.		Pervasive silicification. Grey black bleb & blotches are locally distributed and may represent relicts of protolith? «Int. perv. Sil.»	Fine grained secondary pyrite occasionally associated with fractures.	Chill margin?

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
120.30 TO 144.20	«GRAPH ARG»	Black. Fine grained. Black, highly graphitic, very fine grained argillites with notable fault breccia/gouge zones near the upper and lower contacts appear gradational with the intervals above and below. Bedding is not apparent, but thin parallel (<1mm) calcite veins occur at along planes of foliation. The notable fault breccia and gouge zones occur at ¶120.3-123.0¶ «Graph Flt Bx/Gou - CONDUCTOR» ¶140.8-142.9¶ «Arg Flt Bx/Gouge»	45	A relatively competent section of silicified argillite occurs at the lower & of the interval between 142.9-144.2m. «Mod. Sil.»	No sulphides.	
144.20 TO 168.30	«DIABASE»	Pale to dark green. Fine grained diabase with occasional patches/streaks of chloritic alteration 2-3% quartz calcite veins and veinlets.		Interval¶144.2-151.5¶ is«Mod. Sil, Int Chl». Locally intense chloritic alteration.	No sulphides.	
168.30 TO 177.60	«PYROXENE DIABASE»	Mottled pale green and black. Coarse grained. Mottled pale green and black pyroxene phyrlic diabase. Transition from overlying fine grained diabase interval is relatively sharp, but it is difficult to pinpoint the exact contact. 1-2% quartz calcite veining.		Local silicification. Feldspars altered to epidote in groundmass. «Patchy Sil. PF to Epid.»	No sulphides.	
177.60 TO 206.30	«DIABASE»	Mottled pale to dark green, black and white. Fine to coarse grained. Variable pyroxene to feldspar phyrlic diabase, with a downhole fining in grain size from coarse porphyritic to a fine/medium, more equigranular texture. END OF HOLE.		Moderate chloritic alteration. Locally intense silicification between ¶191.6-193.8m¶ «Int. Sil.» due to abundant quartz calcite veins and veinlets. Occasional zones (to 10cm width) of pinkish feldspar?/leucoxene? eg. at 196.5m. Feldspars altered to epidote in groundmass.	No sulphides.	

HOLE NUMBER: MCM-90-6

ASSAY SHEET

DATE: 27-November-1990

Sample	From (m)	To (m)	Length (m)	ASSAYS					COMMENTS
				Cu %	Pb %	Zn %	Ag g/T	Au g/T	

HOLE NUMBER: MCM-90-6

GEOCHEM. SHEET

DATE: 27-November-1990

Sample	From (m)	To (m)	Length (m)	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SI02 %	TI02 %	S %	TOT %	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD24901	64.80	67.80	3.00	14.95	0.025	13.11	9.44	0.14	6.13	0.18	3.11	0.07	47.76	1.36	0.02	95.77	3.3	1	41	72	13	1	58	10
BCD24902	69.50	72.20	2.70	13.95	0.03	11.82	9.34	0.43	6.00	0.16	2.86	0.07	47.05	1.38	0.01	93.08	3.3	1	59	66	4	1	58	5
BCD24903	99.40	101.30	1.90														3.8	1	176	19	20	1	29	2
BCD24904	102.30	121.80	19.50														2.9	108	436	86	32	2	278	3
BCD24905	178.90	179.50	0.60														3.4	1	53	40	16	1	49	1

HOLE NUMBER: MCM-90-6

GEOCHEM. SHEET

PAGE: 6