



HOLE NUMBER: DM-03

MINNOVA INC.  
DRILL HOLE RECORD

DATE: 22-March-1990

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 32.90	casing «OB»	overburden			casing (Lake Bed Silt)	
32.90 TO 62.40	«Andesite» «Lahar»	Colour: medium green, dark green, medium purple Grain Size: medium grained -Matrix a medium grained Andesite +/- hematite Fragments sub-angular 1-10cm, 60% various Andesite fragments +/- Felspar porphyry +/- Pyroxene +/- fgr 10% Dacite fragments 2-3% QV fragments -Occasional silty argillite lamination + occasional matrix becomes argillite rich	70	-4% Qtz-Carb veinlets @ 30 deg to CA  {32.9-51.2} «2-3% py» Avg. 2-3% disseminated pyrite {51.2-62.4} «Py 5-8%» Py increasing to 5-8% fgr dissem	{32.9-37.4} 65% recovery {44.3-45.0} «Fault (strong)(80 deg) to CA» Fault (strong) with 50% Clay Gouge (80 deg to CA) {47.4-48.0} «Strong Fault» Strong Fault with clay gouge	
62.40 TO 70.40	«Fault» «zone»	-hosted in Andesite Lahar -40% broken core with minor clay gouge -fract @ 50 deg to CA		«2% (Celadentic), 5% Qtz-Carb veins» «5% QV frags» -Alteration increasing with weak pervas. bleaching -2% light blue mod soft mineral (Celadentic) previously called Turq -5J% Qtz-Carb veins up to 10 cm -5% QV frags earlier stage	«Avg. 10% Py»  Avg 8% Py disseminated 2% blebs + veinlets very f.g. - primary? Avg. 10% Py	
70.40 TO 85.00	«Magma» «dacite» «dome»	Colour: light brown, light grey Grain Size: fine grained, medium grained -Massive f.g. Felsic Matrix 1 mm feldspar phenos -Occasional 1mm QP		- 1-2% Qtz-Carb veinlets +/- talc alteration	«3-4% py»  -3-4% f.g dissem py	Rock generally mod broken in a broad fault zone.
85.00 TO 87.50	«Fault» «Zone»	Colour: medium green Grain Size: medium green -Matrix crushed with clay -Lahar is host		«5% Qtz-Carb»	2-3 % dissem py	-2-3% dissem py

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87.50 TO 98.20	«Andesite» «Lahar» with sediments	Colour: medium green Grain Size: medium grained -medium grained green Andesite matrix with sub-angular 1-10 cm fragments 40% Andesite frags +/-Plag, +/-Px 20% Dacite fragments	45	{87.5-88.5} «5% Qtz-Carb veinlets» -5% Qtz-Carb veinlets with talc 88.5-98.2 - 2-3% Qtz-Carb veinlets except {93.0-94.5} «5% Qtz-Carb» 5% Qtz-Carb, wkly silicified talc fragments	{87.5-88.5} «15% Py» 15% f.g. Py in blebs + veinlets {88.5-98.2} «5% py» Avg. 5% dissem py except {93.0-94.5} «10% py» 10% f.g. py as blebs + veinlets	93.0-94.5 weak fault zone with minor clay gouge
98.20 TO 110.20	«Altered» «Andesite» «Lahar»	Andesite Lahar with fewer fragments 30% fp And 10% F + Px And medium Andesite Matrix		{98.2-100.4} «wkly silicified» {104.40-107.3} «wkly silicified» «5% Qtz Bx» -wkly silicified -5% Qtz Bx zones 2-5 cm -tr. Qtz-Carb -some green micas? 107.3-110.2 -1% Qtz-Carb veinlets -wkly bleached + silicified -1% green micas	{98.2-100.4} «15% Py» Avg. 15% Py dissem. clots + veinlets {104.4-107.3} «10% py» Avg. 10% py disseminated blebs + veinlets  {107.3-110.2} «5-8% Py» 5-8% Py as blebs + cubes	
110.20 TO 123.40	«Andesite» «Tuff» «w/ Lahar»	Colour: dark green Grain Size: fine grained, medium grained -Dominantly well laminated tuff with occasional arg lamin -Occasional block 10-30 cm of FP rich Andesite Flow		-tr OV's @ 45 deg to CA -tr Qtz-Carb veinlets	Avg. 2-3% dissem py	

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123.40 TO 129.90	«FP» «Andesite» «Flow»	Colour: dark green Grain Size: medium grained		-dark f.g. matrix with 1-3 mm Plag Phenos, + chl altered px? crystals	-2% Qtz-Carb veinlets 1-4 mm @ 45 deg to CA +/- hem on selvage	tr. dissem py
129.90 TO 153.90	«Andesite» «Lahar» «tuff»	Colour: dark green Grain size: fine grained Often well laminated with occasional fragments sub-angular 3-20 cm of Andesite +/-FP +/-Px		{130.8-132.6} «5% QV's» 5% 5-10 cm QV'X -rk wkly silicified -tr green micas -generally 1% Qtz-Carb veinlets 1 mm @ 45 deg to CA	{130.8-132.6} «10% Py» -5% Py with QV's -5% Py dissem -Avg= 10% Py -generally 2-3% Py with occas, bed with 10% Py in matrix -(primary)	
153.90 TO 168.10	«Andesite» «Lahar»	Colour: dark green, medium red Grain Size: medium grained -f.g. Andesite matrix with subrounded-subangular 1-10 cm Andesite frags +/-FP +/-Px +/-Hematite		153.8-158.2 Pervas Hematite alteration with Hematite on selvages of Qtz-Carb veinlets @ 45 deg to CA 158.2-168.1 -tr Qtz veinlets 1 mm @ 45 deg to CA -occasional green mica	153.9-158.2 1% dissem py  158.2-168.1 -average 1-2% dissem py	
168.10 TO 200.30	«feld-Px»					
TO 182.30	«Andesite» «Flow»	Colour: medium green, medium red Grain Size: medium grained f.g. Andesite matrix +/- Hematite -40% coarse FP Andesite frags -10% dacite frags -.5-30 cm sub-rounded -Dacite Fragments increasing to 40% 198.0-200.3		tr. Qtz-Carb	tr. disseminated py	

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## ASSAY SHEET

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Sample	From (m)	To (m)	Length (m)	ASSAYS		GEOCHEMICAL		COMMENTS
				AG PPM	AU PPB	AU GM/T	AG GM/T	
BCD12119	35.70	37.40	1.70	.3	12			
BCD12121	51.20	52.70	1.50	.3	9			
BCD12122	62.40	63.90	1.50	1.3	1000			
BCD12123	63.90	65.40	1.50	.9	141			
BCD12124	65.40	66.90	1.50	.5	27			
BCD12125	66.90	68.40	1.50	.6	22			
BCD12126	68.40	70.40	2.00	1.3	130			
BCD12128	87.50	88.50	1.00	.6	23			
	93.00	94.50	1.50	1.5	49			
BCD12129	93.00	94.50	1.50	1.5	49			
BCD12130	98.20	100.40	2.20	.8	48			
BCD12131	104.40	105.90	1.50	1.4	56			
BCD12132	105.90	107.30	1.40	1.2	106			
BCD12133	107.30	108.80	1.50	1.4	81			
BCD12134	108.80	110.20	1.40	1.2	33			
BCD12136	130.80	132.60	1.80	1.1	26			
BCD12138	155.30	156.80	1.50	2.3	72			

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ASSAY SHEET

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GEOCHEM. SHEET

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Sample	From (m)	To (m)	Length (m)	AG PPM	AU PPB
	0.00	0.00	0.00		

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GEOCHEM. SHEET

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