DIAMOND DRILLING

010

TOWNSHIP: CUNNINGHAM

REPORT NO.: 32 (1 of 2)

WORK PERFORMED BY: CONSOLIDATED SHUNSBY MINES LIMITED

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
See Accompanying Location Map	A	400'	Sept./54	
	B	302.3'	Oct./54	
	C	389'	Oct./54	
	D	408'	Oct./54	
	1	266'	Nov./Dec./55	
	2	11'	Dec./55	
	3	220'	Dec./55	
	4	299'	Dec./55	
	5	204'	Jan./56	
	6	195'	" "	
	7	327'	" "	
	8	177'	" "	
	9	424'	" "	
	10	150'	Feb./56	
	11	191'	Feb./56	
	12	184'	" "	
	13	88	" "	
	14	106	" "	
	15	63'	" "	
	16	123'	" "	
	17	245	" "	
	18	153'	Feb./56	
	19	87'	" "	
	20	742'	Feb./March/56	
	21	207'	March/56	

Contd.

DIAMOND DRILLING, Report # 32, (1 of 2)
CUNNINGHAM TOWNSHIP, ontd.

HOLE	FOOTAGE	DATE
22	408'	March/56
23	280'	" "
24	184'	" "
25	310'	" "
26	258'	March-Apr./56
27	260'	" "
28	306'	Apr./56
29	292'	Apr./56
30	180'	" "
31	149'	" "
32	301'	" "
33	123'	" "
34	295	" "
35	96	" "
36	140'	" "
37	348	" "
38	285'	" "
39	186'	" "
40	117	" "
41	180	Apr.-May/56
42	145	May/56
43	172	May/56
44	287	May/56
45	190	May/56
46	209	" "
47	199	" "
48	128	" "
49	642	" "
50	152	" "
51	1006	May-June/56
52	291	June/56
53	379	" "
54	246	" "
55	306	July/56
56	574	" "
57	538	" "
58	152	Oct./56
58 Extension	388	Sept./65
59	200	Nov./56
60	212	Nov./56
61	248	" "
61 Extension	468	July/66

Contd.

DIAMOND DRILLING, Report # 32, (1 of 2),
CUNNINGHAM TOWNSHIP, Col. ..

HOLE	FOOTAGE	DATE
62	213	Nov./56
62 Extension	433	July/66
63	207'	Nov./56
64	423	Nov./56
65	219'	Dec./56
66	296	Dec./56
67	500	Dec./56
68	509	Jan./57
69		
70	206	Jan.-Feb./57
71	213	Feb./57
71 Extension	557	Jan/69
72	705	Feb./57
72 Extension	862	Oct./65
73	83	Feb./57
74	704	Feb.'-March/57
75	215	Dec./60
76	230	Dec./60
77	170	" "
78	147	" "
79	153	" "
80	762	Dec.-Jan./61
81	903	Jan./61
82	503	Jan./61
82 Extension	836	July/64
83	522	Jan./61
84	304	June/61
85	317	June/61
86	280	" "
87	427	" "
88	593	June-July/61
89	576	July/61
90	548	July/61
91	529	July/61
92	536	July-Aug./61
93	162	Sept./65
94	466	Sept./65
95 (11A)	345	" "
97 (12 + 25B)	356	Oct./65

Contd.

Problem Page
The original page in this document had a problem when scanned and as a result was unable to convert to Portable Document Format (PDF).

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Problème de conversion de page
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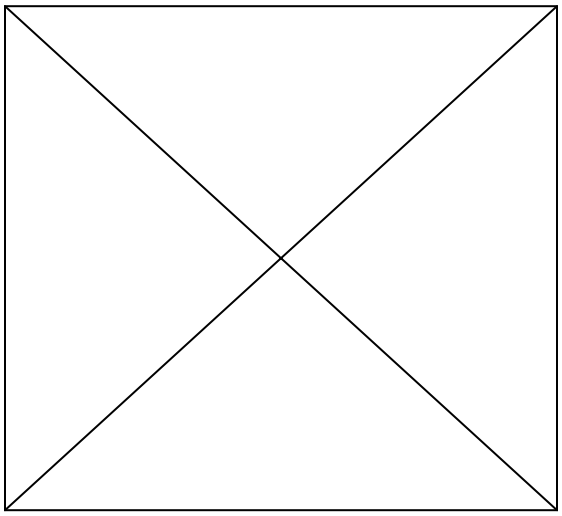

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Chumaty Mines Ltd. | Cunningham Twp. Ont. | Page 1, Hole No. A.

Lat. 8783.68 | Bearing N 45 49 E | Started Sept. 19/54
Dep. 10563.03 | Dip -45 30 | Completed Sept. 30/54.
Elev. 1942.26 | | Depth 400 feet.

0.0- 37.0 Casing

37.0- 55.2 Acidic volcanics fine to medium grained with black Qtz. eyes. General grey colour with scattered pyrite crystals and a few blebs of pyrrhotite. Scattered carbonate veins between 47.2 and 47.7 ft. Indistinct banding occurs between 46 & 50 ft. becomes coarser grained at 51 ft. Between 54.7 and 55.2 good blebs of pyrrhotite. Banding dips at 69 deg. at 48 .7 feet.

55.2- 62.6 Banded sections of fine grained dark sediments with occasional band of coarse grained tuff. Scattered veins of pyrite with occasional blebs of pyrrhotite becoming more common near 61 & 62 ft. Odd strs. of carbonate also occur. Banded sections dip 74 deg. at 58.2 feet.

62.6- 73.7 Variable coarse grained quartz porphyry green to 67 ft. grey to 73 feet. Vague banding small scattered crystals of pyrite, 1" band of black sediments at 67 ft. Green section is chloritized and veined with carbonate.

73.7- 74.5 Quartz porphyry, fine grained greenish yellow.

74.5- 91.0 Fine to medium grained quartz porphyry banded in parts. Colour green to grey occasional quartz particles up to 1" in length. Scattered blebs of pyrrhotite 1" cherty layer at 87.7 feet.

91.0-120.1 Green and black sediments, green sediments are chloritized, some scattered tuff bands occasional blebs of pyrrh. in the bedding planes. Sediments become finer grained and darker green at 97.4. ½" carbonate vein at 91.9 Vein of fractured pyrite at 92.2. ½" strong bleb of pyrrh. at 98.7. 109.0 -111.9 tuffaceous to agglomerate band. Fractured zone 112.3 to 112.6. Strong blebs of chert with pyrite and pyrrhotite at 113.4. 102.0-120.1 sediments mainly black. Bedding dips 75 deg. at 103.8 ft.

120.1-133.7 Variable chert green to grey with chloritic sedimentary bands ¼" to 1" in width. These bands have a varved appearance. Small amount of pyrrhotite in blebs and small veins. Chloritic bands occur between 125.0-126.7 ft. & between 127.0-129.1. Brecciated zone 127.5-127.9 also 129.1-132.3 ft. Some bands of chert are white and usually brecciated. Some quartz and p pyrite stringers occur.

133.7-156.5 Mainly fine grained black sediments with some quartz porphyry and chert bands. 133.7-134.2 black sediments; 134.2-134.4 banded chert; 134.4-136.4 Quartz porphyry grading to black sediments. Small veins of pyrite and scattered crystals. Very little pyrrhotite. Few odd carbonate and quartz veins. Graphitic zones, 143.3-143.6; 146.6-147.0; 147.8-147.9.

156.5-157.4 Light coloured fractured chert

157.4-160.7 Black sediments and tuff, small pyrite & pyrrhotite veins.

160.7-163.3 Mainly tuff medium grained light grey. Few black sedimant phases.

163.3-170.2 Mainly black sediments, few tuff phases in upper part. A few cherty lenses occur and small pyrite veins and scattered pyrite crystals.

170.2-173.5 Variable tuff and black sediments. Small clusters of pyrite. Bedding dips at 65 deg. at 172.5 ft.

173.5-177.6 Coarse grained grey tuff, patches of pyrite.

177.6-179.3 Black sediments with lenses of chert and patches of pyrite.

179.3-183.9	Mainly black sediments, few tuff bands, scattered veins of pyrite usually occuring in the bedding planes. Scattered blebs of pyrrhotite, also a few veins of carbonate.	A+T
183.9-185.9	Coarse grained grey tuff becoming finer grained near bottom.	T
185.9-186.3	Black sediments, 3/16" thick pyrite vein.	A
186.3-187.8	Grey chert slightly banded.	C
187.8-190.0	Mainly black sediments some suggestion of tuff, few small pyrite veins.	A
190.0-191.0	Tuff becoming finer grained near bottom.	T
191.0-197.1	Black sediments, few cherty lenses, few thin pyrite veins. One faint pyrrh. vein @ 195.7. Bedding dips 70 deg. at 197.0.	A
197.1-198.0	Coarse grained grey tuff, few clusters of pyrite crystals, few blebs of pyrrhotite.	T
198.0-201.8	Black sediments with cherty lenses, no mineralization.	A
201.8-215.0	Coarse grained dark grey tuff with scattered pyrite. Becomes more argillaceous at 211.4 ft. Banded with tuff towards bottom. Yellowish green, schisty appearance 212.5-214.1.	T+
215.0-225.7	Black sediments with scattered tuff bands, scattered cubes and veins of pyrite. Lenses of chert and scattered blebs of pyrrhotite.	A
225.7-226.4	Grey tuff band, coarse at top grading down to fine at bottom. Pyrite Min.	T
226.4-232.1	Mainly bluish grey chert. Fair pyrrhotite mineralization between 227.1-228.3 Pyrite scattered throughout. Only occasional bleb of pyrrhotite between 228.3-232.1, also becoming tuffaceous in appearance.	C
232.1-236.7	Black sediments, occasional lens of chert and pyrite vein, no pyrrhotite.	A
236.7-237.9	Bluish grey chert, fairly well mineralized with pyrrhotite, black graphitic appearing lines at 90 deg. to core.	C
237.9-253.5	Mainly chert. 237.9-238.8 Agglomerate; 238.8-240.4 Bluish chert; 240.4-242.9 chert well mineralized with pyrrh, which occurs mainly in bedding planes. Chert massive to banded. Banded parts contain bands of pyrrhotite. Massive from 245.0-247.8. Tuff 247.8 to 248.1. Pyrite and pyrrhotite occur between 248.4-249.2 not to well mineralized. Brecciated zone between 250.9 & 253.5 filled with yellow carbonate.	C
253.5-258.5	Mainly black sediments, occasional band of chert and tuff, scattered py. small blebs of pyrrhotite at 258.4 ft.	A-C
258.5-266.6	Mainly chert massive to fractured, irregular bedding planes, scattered blebs of pyrrhotite, ½" vein of carbonate at 263.6	C
266.6-266.9	Tuff medium grained, lenses of greyish green chert.	T
266.9-270.7	Black sediments graphitic in part, lenses of chert occur frequently, blebs of pyrrhotite, little regular bedding	A+
270.7-272.6	Chert with some carbonate stringers, brecciated in part.	C
272.6-278.7	Mixture of black sediments and chert intermingled, occasional well defined chert lenses, few pyrite stringers	C+A
278.7-282.5	Mainly massive and brecciated chert.	C
282.5-290.4	Mainly black sediments with occasional chert lenses, scattered pyrite veins, very little pyrrhotite.	A+C

Shumsby Mines Ltd. | Cunningham Twsp. | Page 1, Hole No. B.

Lat. 9,206.92 | Bearing N 51 Cl E | Started October 2/54
Dep. 10,660.04 | Dip -45 | Completed " 6/54
Elev. 1,959.98 | | Depth 302.3'

0.0 - 17.0 Casing.

17.0 - 18.3 Black sidements with chert lenses and fragments. A few good stringers and blebs of pyrrhotite. One cluster of pyrite crystals. Chert lenses are blue-grey and whitish grey.

18.3 - 44.4 Mainly greenstone with variolites - greyish green colour. A little pyrite mineralization between 25.4 and 27.8. Variolites becomes larger and more prominent from 27.8. Variolites about ¼" long, 1/3" wide - oval shape - trend of variolites at 41.8 dip 66 with core.

44.4 - 44.7 Quartz vein - dips 15 with core - crystals of pyrite.

44.7 - 76.7 Greenstone. Few carbonated patches and small veins. Variolites vary from prominent ovals to indistinct suggestions. Fractures occur at 55.6, dip 72 and at 65.8 - 54 dip to core. Fractures filled with dark colored rock.

76.7 - 77.6 Pale fine grained greenstone - no variolites.

77.6 - 77.7 Dark green - greenstone - small variolites.

77.7 - 77.9 Pale fine grained greenstone - no variolites.

77.9 - 94.2 Greenstone containing variolites. At 87.0 variolites are set in a black matrix - brecciated appearance.

94.2 - 95.5 Greenstone - large purple variolites - very hard - in a pale green matrix.

95.5 - 97.6 Dark green - greenstone.

97.6 - 98.1 Silicified greenstone - light purple color.

98.1 - 98.9 Greenstone - dark green sediment 1½" thick at 98.6 - dip 55 to core.

98.9 - 134.3 Greenstone - with bands of purplish silicified greenstone.
Silicified sections:

98.9 - 99.1
103.1 - 104.0
104.8 - 105.0
106.2 - 106.4
107.0 - 108.0
109.5 - 110.0
111.5 - 111.7
113.3 - 114.7
115.7 - 116.2
117.4 - 118.0
119.0 - 123.4
123.4 - 124.2
124.8 - 125.7
126.0 - 127.4
128.4 - 128.7
129.9 - 131.0
133.9 - 134.3 brecciated carbonate fill.

134.3 - 134.4 White quartz vein.

134.4 - 146.0 Greenstone - with bands of purplish silicified greenstone. Color changes in silicifed parts from a purple to a whitish tab around 140'.
Silicified sections:

134.9 - 136.6
137.6 - 142.5
144.3 - 146.0

146.0 - 146.2 White quartz vein with fragments of silified greenstone - dips 50 to core. Q

146.2 - 185.7 Greenstone.
Silicified Sections:

146.2 - 148.3
150.2 - 153.0
153.6 - 154.0
156.1 - 156.2
160.0 - 160.4
163.3 - 164.9
165.9 - 166.6
168.1 - 168.3
169.7 - 169.9
172.0 - 172.3

185.7 - 205.1 Hornblende - biotite syenite - fine to medium grained. General dark green appearance; at 198.8 ½" carbonate vein dupping 26 to core. Occasional fine fractures, filled with carbonate. ¼" carbonate vein at 205.1 dips 26 to core - becomes chloritized toward 206. Pink feldspar.

205.1 - 214.5 Dark green sediments - small bands of light green silicified rock from ½" to 1-½" thick. These bands have fine disseminated pyrrhotite mineralization.
Banded sections:

206.0 - 206.1
208.9 - 209.0
209.5 - 209.6
209.9 - 210.0
210.3 - 210.4
210.7 - 210.8
211.1 - 211.2
211.3 - 211.4
211.5 - 211.6
211.9 - 212.0
213.0 - 213.1
213.3 - 213.7

214.5 - 269.0 Mainly greenstone with variolites, medium to small. Variolites usually lighter color than matrix. 219.4 - 219.9 fractured rock filled with dark material - dips 43 at 219.8.

@ 233.1 ¾" brecciated - filled with carbonate.
@ 236.0 ½" small carbonate vein contains pyrrhotite and pyrite mineralization - dip 53.
@ 236.4 - 236.7 fracture filled with carbonate and fragments.
@ 247.4 - 248.0 fracture filled with carbonate - small vein of pyrite.
@ 250.4 - 252.5 and 260.9 - 261.3 fractures filled with carbonate - small pyrite mineralization.
@ 266.5 1" fracture - carbonated.
@ 267.5 1" fracture filled with fragments of greenstone, carbonate and pyrite.
@ 268.1 ½" carbonated fracture plus pyrite)
@ 268.3 ½" carbonated fracture plus pyrite) dip 67

269.0 - 276.1 Quartz porphyry - coarse grained - grey color: large phenocrysts.

276.1 - 280.0 Greenstone.

280.0 - 288.3 Hornblende, biotite syenite - fine to medium grained, general dark green appearance - pink feldspar.

288.3 - 302.3 Mainly chert - becoming typically banded toward end of hole. Chert grey to white.
296.5 - 299.7 veins and blebs of pyrrhotite and pyrite - fairly large vein of pyrrhotie @ 298.5. Occasional black sediment band, few pyrite veins @ 302.0. Bands dip 71 @ 299.7.

END OF HOLE.

DRLN: ip
Geological Division
October 18, 1954. cc: Mines Division (?) K Campbell , Toronto Office.

Shumsby Mines Ltd. | Cunningham Twsp. | Page 1, Hole No. C

Lat. 9,520.99 | Bearing N 47 11 E | Started October 3/54
Dep. 10,817.49 | Dip -46½ | Completed " 16/54
Elev. 1,992.32 | | Depth 389'

0.0 - 10.0 Casing.

10.0 - 73.6 Greenstone - mainly a green color - scattered variolites and clusters of variolites - occasional small stringer of quartz and carbonate.
@ 12.4 1" blob of quartz with stringer,
13.7 - 14.0 Appearance of carbonated tuff
18.3 - 18.7 Brecciated carbonated flow appearance - odd crystal of pyrite.
19.4 - 19.7 Brecciated carbonated rock with pyrite crystals.
22.4 - 22.6 Carbonated fracture.
23.1 - 23.4 Carbonated fracture with quartz stringers., quartz blue-grey color.

@ 25.7 ½" cherty quartz vein - dip 40 to core.
26.3 - 27.6 Carbonated fracture.
27.9 - 29.1 Greenstone lighter colored - more silicified larger variolites.
29.1 - 30.6 Carbonated tuffaceous fracture with chert lenses.
33.1 - 33.3 Carbonated fracture - chert lenses.
34.2 - 34.8 Carbonated flow appearance with chert lenses.
40.6 - 41.0 Black sedimentary appearance - strong variolites around 40.9
41.0 - 46.7 Greyish carbonated rock - no distinct variolites.
46.7 on Green color - with variolites.
46.7 - 46.8 Carbonated fracture.
48.2 - 48.4 Tan Silicified greenstone @ 48.4 fine carbonated stringers.
48.6 - 48.9 Tan silicified greenstone.
49.7 - 49.9 Carbonated fracture.
50.2 - 59.2 Carbonated greenstone.
51.8 - 52.6 Tan silicified greenstone.
@ 53.5 1" carbonated - dark blue.
53.7 - 55.3 Tan silicified section two ¼" carbonated stringers.

@ 55.3 Small watercourse. Large blebs of carbonate @ 55.6, 57.0 and 57.3.
58.2 - 58.5 Carbonated greenstone.
59.5 - 59.6 Grey silicified section.
60.4 - 60.7 Tan silicified section.
61.5 - 61.7 Tan silicified section.
64.3 - 64.7 Carbonated fracture a few crystals of pyrite.
68.1 - 68.2 Carbonated greenstone.
69.4 - 69.6 Carbonated greenstone.
70.5 - 79.6 Fractured carbonated greenstone.

@ 73.1 ½" carbonate vein and watercourse.

73.6 - 77.3 Brecciated angular fragments of variolite greenstone in a black matrix - black matrix is hard and massive with occasional cluster of pyrite. Fragments up to 4" inlength.

77.3 - 77.8 Greenstone.

77.8 - 80.6 Brecciated greenstone in a black matrix.

80.6 - 81.5 Greenstone.

81.5 - 91.6 Brecciated greenstone in a black matrix.

91.6 - 93.7 Silicified greenstone.

93.7 - 97.2 Brecciated greenstone in a black matrix.

97.2 - 98.9 Greenstone.

98.9 - 99.1 Brecciated greenstone in a black matrix.

99.1 - 100.4 Silicified greenstone.

100.4 - 100.6	Carbonated filled fracture with flow appearance.
100.6 - 101.4	Silicified greenstone.
101.4 - 101.8	Fractured carbonated greenstone.
101.8 - 104.2	Silicified greenstone.
104.2 - 104.7	Carbonated filled fracture with flow appearance.
104.7 - 107.6	Silicified greenstone.
107.6 - 108.3	Carbonated flow appearance - numerous variolites.
108.3 - 110.7	Silicified greenstone.
110.7 - 112.2	Carbonated filled fracture and variolites.
112.2 - 114.5	Silicified greenstone.
114.5 - 114.6	Carbonated fracture.
114.6 - 115.5	Silicified greenstone.
115.5 - 115.7	Carbonated fracture.
115.7 - 117.8	Silicified greenstone with small quartz veins.
117.8 - 117.9	Carbonated vein.
117.9 - 118.9	Greenstone.
118.9 - 120.3	Silicified greenstone.
120.3 - 120.4	Carbonated fracture.
120.4 - 120.8	Greenstone,
120.8 - 122.0	Carbonated greenstone.
122.0 - 124.5	Silicified greenstone - pale greenish-grey.
124.5 - 125.0	Small bands of black and green sediments.
125.0 ¼ 151.8	Mixture of greenstone bands and bands of brecciated greenstone ina black matrix - greenstone shows variolites.
151.8 - 152.4	Mainly tuff with lenses of black sediment.
152.4 - 153.9	Greenstone - carbonated add tuffaceous.
153.9 - 171.3	Banded black and grey sediments and chert. 155.4 - 155.7 Brecciated - filled with white carbonate. 156.1 - 156.3 Disseminated pyrrhotite in black sediments. 156.3 - 156.5 Clusters and stringers of pyrite & pyrrhotite. @154.0 Dip of bedding to core is 65. 156.9 ½" carbonate vein 168.2 - 168.3 Pyrrhotite mainly. 169.0 - 169.3 Grey carbonated rock. 170.5 - 171.3 Grey carbonated rock.
171.3 - 243.7	Chert - banded - blue grey. @171.6 Dip 70 to core. 171.5 - 171.6 Pyrrhotite. 172.1 - 172.2 Pyrrhotite. @172.4 ½" pyrrhotite vein. 172.6 - 174.0 Pyrrhotite in blebs and veins - chert is banded changes from blue grey to grey.

171.3 - 243.7 Continued.

@ 174.0 - 178.2	Mainly blue grey, banded chert, some bands are white and some dark grey - no mineralization.
178.2 - 179.9	Fractured Chert - silicified with blebs and stringers of pyrite - light colored chert.
179.9 - 180.2	Fine bands of pyrrhotite and pyrite. Color mainly black - some fine bands of chert.
180.2 - 181.6	Blue black chert, small amount of pyrite and pyrrhotite.
@ 181.8	Small carbonated vein containing galena and sphalerite.
183.6 - 186.2	Dark blue chert disseminated pyrrhotite and a few blebs. Few pyrite crystals.
@ 184.6	Small fine carbonate vein containing galena, sphalerite and one bleb of chalcopyrite.
186.2 - 193.7	Dark blue grey banded chert, some small pyrrhotite veins and blebs - few clusters of pyrite - generally little mineralization.
193.7 - 194.2	Small lenses of chert, blue-grey in black background.
194.2 - 200.5	blue grey banded chert - few veins of pyrite.
200.5 - 201.1	Fracture filled with brecciated chert and black rock - few blebs and stringers of pyrrhotite.
@ 201.6	Dip 72 to core.
201.1 - 209.0	Mainly banded blue grey chert. Few small disseminated bands of pyrrhotite.
209.0 - 216.2	Massive blue grey chert.
214.2 - 214.6	Disseminated pyrrhotite - small carbonate veins containing sphalerite.
216.2 - 231.9	Massive chert and sections of banded chert.
231.9 - 233.8	Black chert - appearance almost same as black sediments - banded - veins of pyrite - a few blebs and veins of pyrrhotite.
233.8 - 238.7	Blue grey banded chert.
232.7 - 243.2	Dark chert grading into blue grey chert,
238.9 - 239.6	Pyrrhotite in black chert and black sediments - small veins of sphalerite - one bleb of galena, couple of blebs of chalcopyrite and some pyrite.
240.7 - 241.1	Cluster of pyrite. BE

243.7 - 246.0 Massive - grey green carbonated - carbonated veins throughout.

246.0 - 250.2 Blue-black banded chert - cluster of pyrite.

250.2 - 257.2 Quartz porphyry - fine grained - grey. QT

257.2 - 257.8 Black sediments with chert lenses - graphitic little pyrite. A+C

257.8 - 260.0 No core - probably a shear zone.

260.0 - 268.1 Coarse grained quartz porphyry - colorless quartz. General appearance white blotches on grey background. QT

268.1 - 268.7 Black sediments with chert lenses - some pyrite graphitic. A+C

268.7 - 270.0 Chert lenses with black sediments - pyrite clusters. C+A

270.0 - 277.4 Fledspar porphyry - whitish grey color - phenocrysts large - but not distinct. Dark mineral running through in veinlets. Contact @ 277.4 dip 55. Q

277.4 - 280.8 Black sediments with a few chert lenses and pyrite veins parallel to bedding - very graphitic. A

280.8 - 284.6 Feldspar porphyry whitish grey - coarse grained becoming quartz porphyry and grading into nearly pure quartz around 282.4. F T

284.6 - 285.6 Black sediments with chert lenses and carbonate veins and pyrite veins very graphitic. A+C

285.6 - 288.0 No core - probably a shear zone.

288.0 - 311.9 Fine grained grey rock. Feldspar small - carbonated with numerous carbonate veins - chloritic schist. ? Sch ? F ? Q

311.9 - 312.3 Quartz vein.

312.3 - 326.6 Chloritic schist at beginning grading into a coarser schist, small blob of galena @ 319.7 and 320.9 Sch dig?

326.6 - 326.9 White quartz vein. Q

326.9 - 333.0 Chloritic schist grading into a medium grained diorite. dig? Sch

333.0 - 389.0 Diorite overall appearance dark green and grey - grades from a fine to medium grained diorite to a coarse grained diorite - darker green up to 371.0 . From 371.0 to 384.0 becomes finer grained - around 384.0 to end of hole grades into a coarser grained rock. 340.4 to 374.4 fairly numerous thin carbonate veins - associated with veins are thin layers of what appears to be a red hematite. Diorite contains scattered crystals of pyrite. d

389.0 END OF HOLE.

Samples.	No.	Width	Oz/Au	%Cu	%Pb.	%Zn.
156.7 - 157.5	C-9104	0.8		0.4	Tr.	0.8
167.6 - 168.4	C-9105	0.8		0.1	Tr.	1.1
181.5 - 182.0	C-9106	0.5		--	Tr.	1.5
184.2 - 186.0	C-9107	1.8		Tr.	0.3	1.0
238.9 - 239.6	C-9108	0.7		0.1	1.2	6.2

Shumsby Mines Ltd. Cunningham Twsp. Page 1, Hole No. D. C NC
NOT ON 1"=100' plan

Lat. N.W. Corner Bearing N 19 12' E. Started October 19/54.
Dep. 4 Feb. 1/55 Dip -45 Completed " 23/54.
Elev. Lake Depth. 408 Ft.

0.0 - 19.0 Casing.

19.0 - 178.5 Acid volcanics - grey green - fine grained - numerous carbonate veins - 1/4" thick to fine threads. General carbonated appearance - few biotite crystals - small grey quartz crystals - some small pyrite crystals - carbonate in oval lenses - also general appearance is blotchy.

@ 41.0 1" flow structure with pyrite and carbonate dip 71 to core.
52.5 ½" dark green - small fine carbonate veins each side dip 74 to core.
58.0 fine granular appearance but no distinct crystals grading into a greyer rock - more carbonated.
65.0 - 65.3 carbonate and quartz vein plus inclusions of dark green rock.
65.8 - 66.3 silicified zone.
67.7 - 67.9 quartz and carbonate vein - white - dip 38 to core.
70.2 - 70.4 white irregular carbonate vein.
71.4 - 71.5 carbonated flow structure.
74.0 - 74.7 irregular white quartz vein.
78.8 - 79.1 white carbonate vein. General dip 63 to core.
77.5 - 81.6 small white carbonate indistinct crystals.
81.6 - 83.4 Massive grey.
83.4 - 85.0 small white carbonate indistinct crystals.
85.0 - 89.9 mainly mass. grey - few small lenses of carbonate.
89.9 - 90.7 small white carbonate indistinct crystals.
90.7 - 91.1 flow structure - tuffaceous appearance.
91.1 - 95.4 small white carbonate - indistinct crystals.
95.4 - 97.2 massive grey - tuffaceous appearance.
97.2 - 99.0 small white carbonate lenses and crystals.
99.0 - 99.1 flow structure.
100.0 changes from a white blotchy appearance to more massive grey fine grained. Minor amount of small pyrite crystals. Carbonate lenses and stringers throughout. Few scattered indistinct purple crystals - soft.

@ 132.9 1" carbonate vein - dip 72 to core.
137.5 becomes lighter grey.
150.7 - 151.0 flow structure filled with carbonate.
164.5 - 165.3 flow structure filled with carbonate and small angular fragments.
170.0 becoming a talc schist.
174.1 - 174.5 fracture filled with carbonate and dark green material.

178.5 - 181.0 No core.

181.0 - 193.0 Fine grained grey volcanics - carbonated - talc some grain of dark mineral.

193.0 - 194.0 No core.

194.0 - 195.3 Fine grained grey volcanics.

195.3 - 196.0 No core.

196.0 - 197.0 Find grained grey rock - carbonated.

197.0 - 199.0 No core.

199.0 - 199.3 Fine grained grey volcanics.

199.3 - 200.0 Graphitic schist contact 26 to core. Two small clusters of pyrite.

200.0 - 207.0 No. Core.

Total for Hole A,B,C+D 1,499'

207.0 - 208.0 Fine grained grey volcanics - few fine stringers of pyrite.

208.0 - 210.5 No core.

210.5 - 211.0 Fine grained grey volcanics - carbonate stringers - few vuggy veins of carbonate.

211.0 - 211.5 No core.

211.5 - 212.0 Fine grained grey volcanics - carbonated.

212.0 - 213.7 No core.

213.7 - 214.0 Fine grained grey volcanics - graphite cave.

214.0 - 215.6 No core.

215.6 - 216.5 Graphitic schist and fine grained grey volcanics.

216.5 - 255.4 Fine grained grey volcanics.

255.4 - 263.0 Grey-black volcanics - fine grained - with flow structure and inclusions of breccia and carbonate.

263.4 - 273.3 Grey volcanics - with numerous flow structures, carbonate lenses and veins - numerous inclusions highly carbonated,

273.3 - 278.0 Grey - fine grained - massive - acid volcanic.

278.0 - 400.0 Greyish-green volcanic filled with lenses and veins of white carbonate. Flow structures are numerous. Around 282.5 rock becomes greyer, oval shaped carbonated lenses - general trend of lenses average 65 dip to core. Some 1" irregular quartz veins. Below 288.0 lenses are less frequent. Around 300.0 a rock becomes greener - few small pyrite crystals, lenses and stringers of carbonate continue.

@ 319.9 1" quartz vein - irregular - numerous flow structures - tuffaceous appearance associated with flow structures.

361.2 - 361.4 Brecciated filled with carbonate.

@ 362.0 Fine hematite streak through carbonate vein - Hematite coloring with carbonate veins between 378.0 and 385.0 and between 398.0 to 401.2. Flow structure @ 404.4 dips 56 to core @ 407.4 rock becomes grey - but still fine grained.

400.0 END OF HOLE.

Mines Division
December 6, 1954.
Mines Division (2)
Toronto Office.
1 extra.

Bearings to all drill holes refer to Astronomic North.

A large number of the holes have been surveyed Transit, the reference point being Post No. 2, of patented Mining Claim No. S-34947, which point was given the value of 10,000.00 for latitude, departure, and elevation. This No. 2 Post is also the zero point of the base line and unsurveyed holes are designated as so many feet east or west of the base line and north or south of the various picket lines, measurements being at right angles to these lines. Elevations of unsurveyed holes refer to lake level as Datum. This level on Oct. 1, 1960 was 9972.33 feet.

53

1965 - MAC 1 - 6 6
JIM 1 & 2 2
S.E.1 - 4 4
#93, 94 2
#58
#95,96,97,98,99,100,101, 102, 103,104,105
#72 11

1966 #107,108,109,110,111,112,113,114,115
1967 Relog 115,116,113
A, B1, B2, C

1955

Shunsby Mines Ltd.	Cunningham Twp. Ont.	Page 1,	Hole No. 1.
Lat. 10748.28	Bearing S 52E	Started	Nov. 29/55.
Dep. 9053.59	Dip 50	Completed	Dec. 3/55.
Elev. 9992.61		Depth	266.0'

0.0 -11.0 Casing

11 - 37 Medium-grained diorite, numerous threads of calcite mostly at right angles to core.
Sparse mineralization (Py)
11.0 - 21.0 3.5' Ground
26.0 - 34.0 3.0' Ground

37-107.5 Greenish-grey acid tuff and agglomerate, sparse mineralization.
48-54 - 1.0' Ground
54-58 - 1.5' Ground
Scattered groups of Py., Chy. (slight) At 84 2" patch fair chalcopyrite.

107.5 - 143 Dark green andesite, slight pyrite. Badly scattered 137 - 143.

143-226 Coarse-grained diorite, slight pyrite.

226-245 Dark green, medium-grained andesite, slight py.

245-266 Medium-grained diorite, scattered pyrite.

266 END OF HOLE.

Shunsby Mines Ltd.	Cunningham Twp. Ont.	Page 1,	Hole No. 2
Lat. 9 plus 41 N	Bearing S25 E	Started	Dec. 4/55
Dep. 7 plus 03 W	Dip -45	Completed	Dec. 5/55
Elev. Plus 22'		Depth 11.0'	

Dug pit 11 feet through boulders and gravel then drove rod down another 6 feet. Hole abandoned may attempt later to reach bedrock.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 3

Lat.	10705.46	Bearing	N 52 W	Started	Dec. 7/55
Dep.	9333.62	Dip	20	Completed	Dec. 12/55
Elev.	9944.37			Depth	220.0'

0.0 - 8.0 Casing

8.0 -16.7 BRECCIA, hard silicious, angular fragments, fair AnS, Cpy., Pyrrhotite and Pyrite. 10.7-16.7 - ZnS & Cpy in siliceous breccia Min. in fractures and patches.

16.7 - 25 Fine grained basic dyke or band at 50 to core, sharp contact of G.S. with threads of pyrrhotite and pyrite some chalcopyrite. 21.0-26.5 - 1.5'Ground.

25 - 49 Breccia, with narrow sections of sphalerite in fractures, slight cpy. 26.5-33.5 - 1.5' Ground. 25.0'-33.5' - Good ZnS, little cpy, mostly in fractures and patches in breccia. 33.5-38.5' - Fiar ZnS, little Cpy. in fractured breccia. 40.5-45.5 - 0.7' Ground. 40.5-50 - More chloritic and approaching iron formation (cherty) Banding at 35 to core.

49 - 62.8 Banded iron formation with bedding at 36 to core. Fine disseminated pyrite.

62.8- 89 Breccia, slight AnS., PbS, and Cpy. in fractures.

89 -109.5 Greyish green andesite sparse min. Grades from medium grained to fine grained? Med. grained may be a dyke or a granular sediment. 103 - 110.5' - Ground.

109.5-115 Breccia - highly siliceous. At 112.5 - 2 inches fairly massive chalcopyrite. 111.5-115 - cpy and AnS in fractures and in patches.

115 - 124 Med. grained andesite, threads of pyrite and pyrrhotite.

124 -131.6 Breccia - with large G.S. fragments and narrow bands, fracturing at from 30 to 45 to core. 125-126 - Chalcopyrite in fracturing. 127-132.5 - Fair AnS and Cpy. in sections up to 1 foot in width.

131.6-165.5 Breccia, slightly fractured. 152-158 - Fair ZnS and slight cpy. in mass. breccia. 158-164 - Scattered fractures of ZnS and slight Cpy. in breccia.

165.5-190.5 Fine to medium grained andesite and tuff interbanded, numerous threads of calcite. 185.5-187.3 - basic dyke.

190.5-220 Fine to medium grained diorite. see hole 58

220 END OF HOLE.

	Samples:	No.	Width	%Cu.	%Zn.
10.7 - 16.7	Chert breccia sparse chalco sphalerite	801	6.0	0.09	1.79
25.0-33.5	Chert breccia good zn. little chalco	803	8.5	2.59	2.72
33.5-38.5	" " fair " " "	804	5.0	0.10	0.66
111.5-115.0	Chert breccia some chalco and zinc	802	3.5	1.00	0.52
127.0-132.5	" " " " " "	805	5.5	0.21	0.85
152.0-158.0	" " slight chalco fair zn.	806	6.0	0.01	0.19
158.0-164.0	" " " " and sphalerite	807	6.0	Tr	0.47

Shunsby Mines Ltd. Cunningham Twp. Ont. Page 1 Hole No. 4

Lat. 11037.0 Bearing N 52 W Started Dec.16/55
Dep. 9556.50 Dip -25 Completed Dec. 20/55
Elev. 9940.04 Depth 299.0'

0.0 - 12.0 Casing — See DDH 11

12.0-31.0 Breccia, silicious, with sections good chalcopyrite and zinc in fractures and patches
17.4 - 23.4 Massive chalcopyrite and some zinc in patches and fractures

31.0-33.0 Agglomerate & tuff, fine disseminated pyrite.

33.0-46.0 Mostly breccia with narrow tuff bands at 35 to core, little zinc, pyrite.
At 41.7 3" Massive pyrrhotite

46.0-103 Fine grained andesite, tuff and agglomerate interbanded pyrite and considerable disseminated pyrrhotite and sphalerite, occasional narrow veinlet of chalcopyrite (Corresponds with long trenches 200 N East.

	Samples:	No	Width	%Cu	%Zn.
017.4-023.4	breccia massive chalco and zn.	808	6.0	1.25	8.88
065.0-070.0	Andes. py., pyrrh., chalco & zn.	809	5.0	0.49	0.52
070.0-076.0	ditto	810	6.0	0.20	0.24
076.0-086.0	"	811	10.0	0.11	0.05
086.0-091.0	"	812	5.0	0.57	0.42

Sample #809 assayed for nickel Tr., & lead. Nil.

103.0-161.5 Altered acid tuff and agglomerate highly silicious slight pyrite, fracturing at 35 to core. 128.0-130.0 Feldspar porphyry dike

161.5-299.0 Quartz diorite - quite massive.

299.0 END OF HOLE.

Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole No. 5

Lat. 11033.89 Bearing N 52 W Started Jan.5/56
Dep. 9550.36 Dip 60 Completed Jan.7/56
Elev. 9940.04 Depth 204.0'

0 - 6.0	Casing.
6.0 -16.0	Breccia
16.0-21.8	Highly silicious breccia fairly well mineralized Zn fine specks chalcopyrite
21.8-25.3	Fine grained dark rock Lamprophyre dike?
25.3-45.0	Highly silicious breccia some pyrite in sections odd speck ZN
45.0-46.8	Breccia odd specks pyrite
46.8-51.1	Highly silicious breccia mineralized with Zn odd specks chalcopyrite
51.1-64.0	Breccia from 59.0 - 60.0 some Zn mineralization odd specks chalcopyrite
64.0-71.0	Agglomerate no mineralization
71.0-82.8	Very silicious mineralization 73.6 - 79.0 bleb chalcopyrite 72.6 - 77.9 fair Zn chalcopyrite
82.8-86.7	Highly silicious breccia slightly mineralized chalcopyrite fine specks Zn pyrite
86.7-91.0	Fractured silicious breccia fairly well mineralized chalcopyrite, pyrite fine disseminated Zn.
91.0-95.4	Silicious breccia fair amount chalcopyrite, pyrite fine disseminated Zn.
95.4-103.0	Tuff slightly mineralized with pyrite and fine specks chalcopyrite
103.0-106.0	Tuff not mineralized
106.0-119.0	Coarse grained andesite fine pyrite
119.0-128.0	Tuff a little pyrite on fractures
128.0-148.0	Coarse grained andesite fine pyrite on fractures
148.0-156.5	Silicious fractured breccia mineralized chalcopyrite, pyrite, fine disseminated Zn.
156.5-165.0	Highly silicious breccia mineralized chalcopyrite, pyrite, fine specks Zn and graphite on fractures (11" ground core) at 158.9 and 9" at 164.0
165.0-166.4	Quartz and pinkish carbonate dig?
166.4-171.5	Silicious breccia fairly mineralized chalcopyrite, pyrite, graphite some fine specks possibly Zn? at 170.5 ground core 2 feet.
171.5-177.7	Silicious breccia poorly mineralized chalcopyrite, pyrite, graphite on fractures (agglomerate contact @ 176.5)
177.7-189.0	Agglomerate some fine pyrite
189.0-201.5	Tuff slight pyrite in spots
201.5-204	Quartz diorite
204	END OF HOLE.

	Samples:	No.	Width	%Cu	%Zn.
016.0-021.8	Breccia zn and chalco	813	5.8		0.20
046.8-051.1	Breccia zn and chalco	814	4.3		0.34
0828-086.7	Breccia py., chalco zn	815	3.9		0.88
086.7-091.0	ditto	816	4.3	3.53	
091.0-095.4	ditto	817	4.4	3.23	
095.4-103.0	Tuff py., chalco	818	7.6		0.17
148.0-156.5	Breccia py., chalco, sphalerite	819	8.5		0.34
156.5-165.0	ditto 11" ground core	820	8.5		0.78
165.0-166.4	Quartz carb.	824	1.4		0.31
166.4-171.5	Breccia fair py and chalco zn	821	5.1		2.50
171.5-177.7	" poor mineralization	822	6.2		0.12
	Averages 82.8 - 95.4		12.6		2.61
	156.5 - 171.5		15.0		1.32

Shunsby Mines Limited Sultan, Ontario Page 1 Hole No. 6

Lat. 11033.89 Bearing S 52 E Started Jan. 10/56
Dep. 9560.36 Dip -60 Completed Jan. 14/56
Elev. 9940.04 Depth 195.0

0 - 10 Casing - Extended to 25' on account of cave later at 24'

10 - 15.6 Agglomerate interbanded tuff, scattered chalcopyrite fine zinc in fractures disseminated pyrite

15.6-21.6 Breccia very silicious odd specks chalcopyrite, galena, zinc 21.0 - 23.0 ground core

21.6-31.0 Fine grained andesite tuff agglomerate interbanded fine pyrite in fractures 28.0 - 29.6 - ground core

31.0-33.6 Fine grained andesite tuff agglomerate interbanded sparse pyrite

33.6-44.0 Highly silicious breccia fine disseminated pyrite 37.0 - 38.0 fine streaks chalcopyrite

44.0-48.0 Agglomerate at 45 - 45.4 some zinc, chalcopyrite

48.0-55.3 Breccia & interbanded tuff narrow stringers graphite 1' foot section fairly massive chalcopyrite, pyrite pyrrhotite

55.3-69.0 Agglomerate interbanded tuff disseminated pyrite pyrrhotite

69.0-87.0 Agglomerate silicious fine threads calcite specks pyrite

87.0-106.7 Silicious agglomerate disseminated pyrite

106.7-125.6 Ditto as above

125.6-143.0 Fine grained andesite interbanded agglomerate

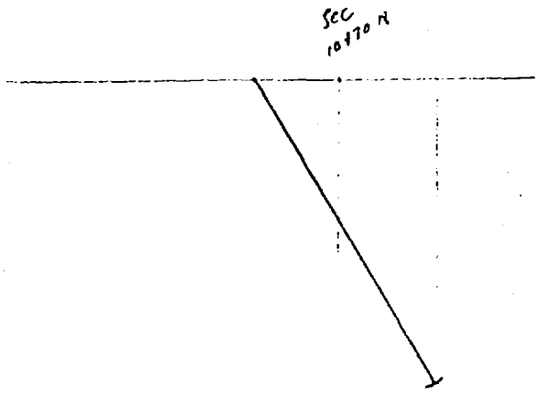
143.0-163.3 Fine grained andesite interbanded agglomerate

163.3-173.0 Ditto

173.0-195.0 Coarse grained quartz diorite (FW Dr ?) dig? no probably.

195.0 END OF HOLE

	Samples:	No.	Width	%Cu	%Zn.
048.0-055.3	Breccia and tuff some moss, chalco	823	7.3	2.59	
055.3-061.0	Agglomerate py and pyrrh.	826	5.7	0.11	0.94
061.0-069.0	ditto	827	8.0	nil	nil
120.6-125.6	Sil. agglom. py. specks of zn.	828	5.0	nil	Tr.



Shunsby Mines Limited Sultan, Ontario. Page 1 Hole No. 7

Lat. 11373.11 Bearing S 52 E Started Jan. 17/56
Dep. 9563.83 Dip 60 Completed Jan. 22/56
Elev. 9972.33 Depth 327.0'

0. - 14.0 Casing

14.0-31.0 Slightly siliceous agglomerate from 29 - 30' odd specks galena in fractures and pyrite.

31.0-52.6 Highly altered interbanded tuff agglomerate andesite fine galena on fractures slightly siliceous

52.6-57.0 Ditto as above

57.0-69.5 Badly shattered agglomerate.
61.6 - 61.9 fine disseminated chalcophrite
66.0 - 67.0 fine galena and phrrhotite.

69.5-88.0 Fine grained andesite tuff agglomerate no mineralization

88.0-108.0 Andesite agglomerate fine disseminated pyrite poorly Mineralized.

108.0-126.0 Fine grained andesite interbanded tuff agglomerate, poorly mineralized pyrite.

126.0-130.6 Agglomerate badly fractured

130.6-148.0 Interbanded tuff agglomerate poorly mineralized pyrite

148.0-164.5 Tuff and agglomerate no mineralization

164.5-172.9 Tuff silicious breccia pyrite graphite very fine disseminated chalcopyrite.

172.9-181.0 Highly silicious breccia fine pyrite, pyrrhotite.

181.0-186.9 Highly silicious tuff from 181.0 - 182.5 slightly mineralized pyrite, graphite.

186.9-206 Interbanded tuff agglomerate breccia fine disseminated pyrite, pyrrhotite in patches.

206.0-225.4 Agglomerate interbanded tuff very fine pyrite.

225.4-245.0 Andesite agglomerate fine threads calcite off specks pyrite.

245.0-265.0 Ditto as above.

265.0-284.6 Tuff from 280.0 - 284.0 graphite schist some pyrite.

284.6-305.0 Banded tuff little pyrite on fractures threads calcite.

305.0-310.6 Banded tuff badly fractured.

310.6-321.0 Andesite fine grained.

321.0-327.0 Fine grained quartz diorite.

327.0 END OF HOLE

Samples:

		No.	Width	%Cu	%Zn.
164.5-172.9	Tuff breccia, py. chalco.	825	8.4	0.01	

Shunsby Mines Limited, Sultan, Ontario — Page 1 Hole No. 8

Lat. 11343.02 — Bearing N 52 W — Started Jan. 24/56
Dep. 9609.42 — Dip 54 — Completed Jan. 26/56
Elev. 9977.23 — Depth 177.0

0 - 3.0	Casing
3.0-11.5	Highly silicious breccia well mineralized, zn patches, chalcopyrite
11.5-21.0	Ditto as above
21.0-25.0	Ditto as above
25.0-41.0	Banded tuff fine pyrite, zn poorly mineralized
41.0-60.0	Badly shattered tuff highly altered - 43.3 - 44.0 disseminated chalcopyrite zn, 50.0 - 50.6 fine chalcopyrite zn, 57.6 - 58.4 patches chalcopyrite fine zinc.
60.0-67.0	Fine grained andesite little pyrite on fractures
67.0-75.0	Prob fine grained quartz diorite
75.0-84.4	Coarse grained quartz diorite 76.4 ground core 6"
84.4-94.5	Highly silicious andesite odd specks pyrite on fractures
94.5-120.0	Coarse grained quartz diorite with some sections finer grained odd narrow quartz stringers.
120.0-138.0	Coarse grained quartz diorite some finer sections fine threads calcite and quartz stringers
138.0-168.0	Coarse grained quartz diorite
168.0-177.0	Finer grained quartz diorite
177.0	END OF HOLE.

Samples:

	No.	Width	%Cu	%Zn
3.0-11.5	829	8.5	0.16	3.52
11.5-21.0	830	9.5	0.51	3.60
21.0-25.0	831	4.0	1.87	17.01

Average:

3.0-25.0	22.0	0.62	5.95

Shunsby Mines Limited, Sultan, Ontario — Page 1 Hole 9

Lat. 11204.34 — Bearing S 84 E — Started Jan. 27/56
Dep. 9294.69 — Dip Collar 45, 300-45 — Completed Jan. 31/56
Elev. 10001.63 — Depth 424

0 - 6 Casing

6 - 32 Agglomerate - pale silicious fragments generally rounded grain size to 1" diameter. Fine grained dark graphitic material and white secondary quartz. Very silicious, badly fractured. 16 - 16.5 small blebs of sphalerite and chalcopyrite.] C

32 - 38 Trap dyke - probably diabase, uniform dark gray, fine contact at 90 becoming slightly worse in centre. dyke

38 - 49.5 Volcanic breccia - silicious tuff and agglomerate with secondary quartz, light gray to dark graphitic. 42 - 49.5 A few scattered irregular blebs of chalcopyrite and sphalerite. 44 - 44.3 - 50% chalcopyrite.

49.5-59 Trap dyke - Very fine grain, pale green chloritic alteration. Contact at 90 to core. No sulphides.

59 - 65 Breccia - As above but probably 50% secondary quartz. Scattered fine stringers and small blebs of pyrrhotite, pyrite, sphalerite and chalcopyrite.

65 - 114 Andesite - Generally gray fine grain contact at 45 65 - 70 green chlorite alteration 70 - 95 Scattered banded silicious bands up to 1" wide 30 to 45 to core generally with a few specks of sphalerite and chalcopyrite core badly broken. Lost core 88 - 89, 95 - 114 - Massive, only minor fracturing Leucoxene alteration almost void of sulphides. 103 - a few specks of chalcopyrite Gr

114 - 164.5 Andesite porphyry - Pale "bleached" green with small irregular pink to white feldspar phenocrysts. A few clear quartz eyes, sometimes becoming fine grained over two or three feet. Contact sharp at steep angle. 150 - 158 mostly fine grained leucoxene flecking, scattered fine stringers of chalcopyrite. 151 - 151.5 possibly 5% chalcopyrite. π

164.5-177.5 Andesite - massive green, fine grained, steep contact at 80 to core.] Gr ?

177.5-182 Andesite porphyry - as above π

182 - 195 Andesite - fine grained green chloritic grading into porphyry above and below.

195 - 255 Andesite porphyry - variable fine to medium grain, leucoxene flecking. No sulphides. π

255 - 279 Gray lava - gray often with pale green tint. Fine grained scattered pyrite, contact gradational.

279 - 300 Fault zone - sheared and broken rock 279 - 284 gray lava. Lost core 283 - 284, 284 - 289 silicified, graphite on slips, bleb of pyrite with chalcopyrite, intense shearing. Lost core 288 - 89
289 - 290 Gray lava no sulphides. Lost core 294 - 95, 299.5 - 300.

300 - 331.5 Gray lava - fairly uniform light gray, fine grain, almost void of sulphides. 326 - 27 slightly brecciated, tread like stringers of sphalerite.

331.5-333 Porphyritic andesite? - green, finely porphyritic. Gradational up hole contact.] π dy

333 -337.5 Trap dyke - dark gray, hard. fine grain, sharp contact at steep angle. Probably an acid lamprophyre.] lamp

337.5 -343 Porphyritic. Andesite as above but lighter gray in color, indistinct down hole contact. π dy

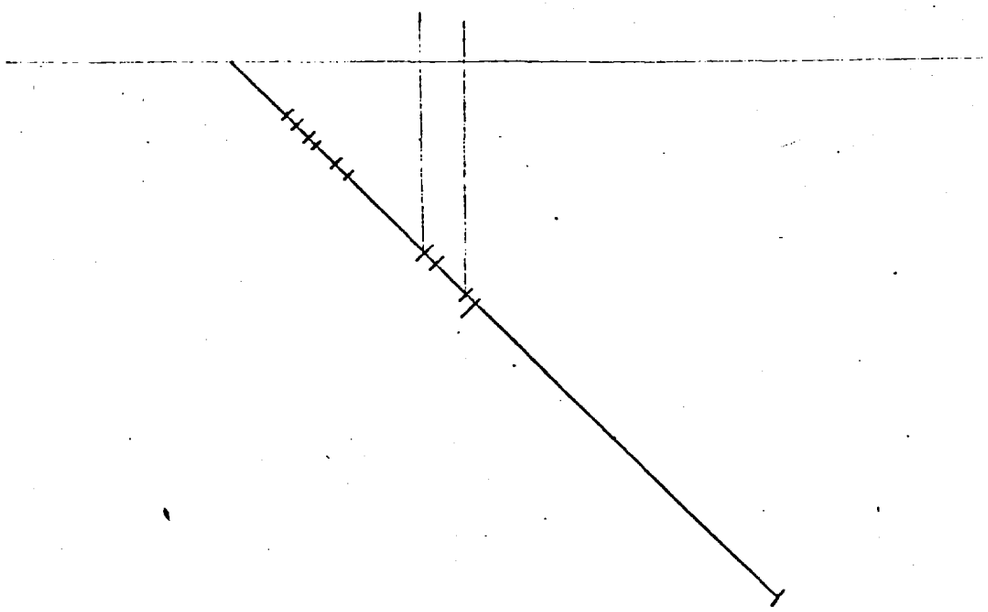
343 -375.5 Andesite - dark gray, fine grain, massive, scattered quartz stringer up to 1/4" Gr

343 -375.5 cont'd
350 hair-like sphalerite fracture filling
370 " " chalcopyrite " "
Becoming very fine grained and lighter gray down hole.

375.5-424
Gray lava - gray to light gray, massive and odd widely scattered sulphides mostly pyrite as grains of threadlike fracture fillings. Last 7' becoming dark gray probably andesite. → diorite?

424
END OF HOLE

	Samples:	No.	Width	%Cu	%Zn.
42.0-49.5	Breccia chalco and sphalerite	832	7.5	1.33	1.08
59.0-65.0	Breccia py., pyrrh., chalco, zn.	833	6.0	0.05	0.66
80.0-90.0	Andesite, sil, chalco, sphaleride	834	10.0	0.61	0.04
150.0-158.0	Andesite, chalco	835	8.0	0.10	nil
283.0-290.0	Gray lava, py., chalco	836	7.0	0.46	0.28



Shunsby Mines Limited, Sultan, Ontario — Page 1 Hole No. 10

Lat.	11211.50	Bearing	S 84 E	Started	Feb. 1/56
Dep.	9204.30	Dip	Collar -45	Completed	Feb. 2/56
Elev.	10011.62			Depth	158'

0 - 3 Casing

3 - 97 DIORITE - Uniform dark green, medium grain, massive, scattered, rounded pale green feldspar spots ¼ to ½" diam. A few fine quartz stringers. 31-51 somewhat finer grained. 49 - open 2" fracture, lost water.

97 - 102 TRAP DYKE - Gray, fine grained, massive, sharp tight contacts at 70. Probably late diabase.

102 - 158 DIORITE - as above. 128.6-138 slightly fine grain, sharp up hole contact at 45°, gradational down hole. 155-158 slightly finer grained, sharp up hole contact at 45 to core.

158 END OF HOLE

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Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole No. 11

lat.	11162.10	Bearing S 52 E	Started Feb. 3/56
Dep.	9473.71	Dip Collar -45	Completed Feb. 5/56
Elev.	9974.91		Depth 191'

0 - 5 Casing

5 - 58 FLOW BRECCIA - interbedded and intergrading siliceous agglomerate and andesite. Generally green to gray-green no sulphides.

58 - 70 AGGLOMERATE - siliceous angular, to rounded fragments, grain size to 1" dia. Green to gray, very hard and compact, occasional banding at 30 to core, 67-70 scattered small blebs of pyr., chalcopyrite and sphalerite.

70 - 84 TUFF - green to dark green and chloritic, irregular banding at 30 to 45 to core, varies from hard and siliceous to fairly soft. Contact gradational over about 6".
74-78 fine pyrrhotite in bands up to 1" wide
78-84. Sulphides 10% mostly fine pyrite and pyrrhotite with odd specks of chalcopyrite.

84 - 89.5 TUFF - hard and siliceous, dark gray and green, thin banding at 45 to core. 84-85 mostly secondary blue quartz. 85-85.5 banded pyrite and sphalerite 30%.

89.5 - 98 BASIC DYKE - dark gray green, fine-grained, in contact becoming medium grained. Compact fresh looking feldspar and pyroxene. Down hole contact sharp at 60. Broken core in up hole contact with specks of pyrite.

98 - 128 TUFF - hard siliceous green, blue and black graphitic, banding at 45 to 60. 98-106 brecciated with secondary quartz, scattered blebs of brown sphalerite. 123-128 mostly secondary quartz.

128 - 133 TRAP DYKE - gray, fine-grained. Contact at 45 slightly finer grained.

133 - 135 GRAPHITIC TUFF - black, hard, siliceous, sheared and broken, graphite on slips, 10% sulphides Pyrite with a little chalcopyrite. FAULT
Lost Core: 132.5-133.

135 - 156 QUARTZ BRECCIA - mainly glassey blue to gray quartz with dark inclusions. Scattered calcite stringers and graphite. Blebs and long parallel stringers of sulphide, mostly pyrite with minor chalco. Lost Core 142-43, 153-54.

156 - 158 GRAPHITIC TUFF - black, hard, siliceous, contacts at 45. Scattered bands of pyrite.

158 - 163 GRAY LAVA - gray, fine-grained, scattered pyrite, vague banding at 30 to core, possibly flow lines.

163 - 191 ANDESITE PORPHYRY + Irregular white to pink feldspar, fine light green matrix. No sulphides. 163-167 Crude banding, vague phenocrysts - Flow contact?

191 END OF HOLE.

	Samples:	No.	Width	%Cu	%Zn
66.0-71.0	Agglomerate py. chalco & Zn.	837	5.0	0.30	0.52
74.0-84.0	Tuff fine pyrrh. and pyrite	838	10.0	0.08	0.47
84.0-93.0	Ditto	839	9.0	0.08	0.28
98.0-106.0	Tuff graphitic some sphalerite	840	8.0	0.05	1.50
133.0-140.0	ditto plus some chalco	841	7.0	1.02	0.14
140.0-150.0	breccia well mineralized with py.	842	10.0	0.23	0.28
150.0-156.0	ditto	843	6.0	0.08	0.33

Shunsby Mines Ltd. Sultan, Ontario. Page 1 Hole No.12

Lat. 10843.18 Bearing S 12 E Started Feb. 7/56
Dep. 9133.44 Dip Collar 45 Completed Feb. 9/56
Elev. 9996.81 Depth 184

0 - 12 Casing

12 - 38 Banded Iron Formation - Blue green black, hard and siliceous, bands of pyrite, magnetite, pyrrhotite and a little sphalerite, odd speck of chalco. Banding 30 to 45 to core. 26.5 - 28 - 10% sphalerite with pyrite and small blebs of chalcopyrite. 28 - 29 - 75% fine grained pyrite. 29 - 32 Probably 3% sphalerite.

38 - 66 Quartz Breccia - Becoming brecciated and fragmental with secondary quartz. Sulphides 10% as irregular bands of pyrite up to 1" wide. Sulphide sparse after 46'.

66 - 143 Quartz Breccia - White to blue quartz with black and gray angular fragments No banding almost void of sulphides. 141 - 143 Blebs and stringers of chalco in quartz

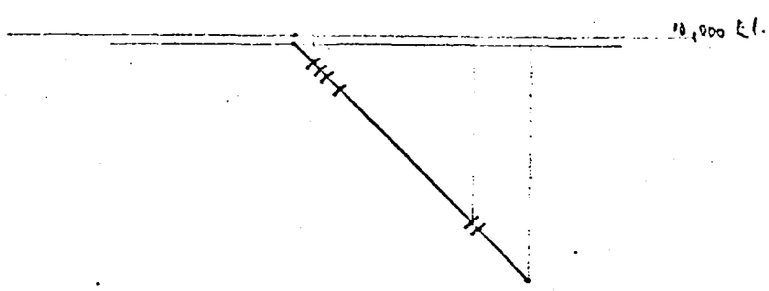
143 - 146 Trap Dyke - very dark gray, fine grained, up hole contact 30 down hole contact near vertical.

146 - 167 Anderite - Dark gray massive, leucoxene alteration, no sulphides. 164.5 - 6" of quartz diorite on one side of the core.

167 - 184 Quartz Diorite (formerly called Andesite Porphyry) - white irregular feldspars in dark green ground mass. 167 - 169 Contact at 20, feldspars vague and fine - intrusive contact.

184 END OF HOLE

	Samples:	No.	Width	%Cu.	%Zn.
14.0-20.0	I.F. py, magnetite, pyrrh., zn, chalco	844	6.0	Tr.	0.99
20.0-25.0	Ditto	845	5.0	Tr.	0.19
25.0-30.0	Ditto more sphalerite	846	5.0	0.20	2.82
30.0-35.0	" " "	847	5.0	Tr.	1.12
35.0-45.0	Mostly py.	848	10.0	nil	Tr.
139.0-144.0	breccia some chalco	849	5.0	0.91	Tr.
	Average 25.0 - 35.0		10.0	0.10	1.97



Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole 13.

Lat.	10827.41	Bearing N 12 W	Started Feb. 10/56
Dep.	9138.45	Dip - Collar 45	Completed Feb. 11/56
Elev.	9996.51		Depth 88

0 - 12 Casing

12 - 49 Agglomerate - Angular to rounded siliceous fragments and quartz. Large greenstone inclusions, increasing down hole. Sulphides as scattered large blebs mainly pyrrhotite and pyrite. 15 - 15.5, - Greenstone inclusion with several blebs of chalcopyrite. 49 - Banded pyrite at 30 to core.

49 - 62 Andesite - Green to gray, fine grained, leucoxene alteration, scattered pyrite. 58 - 59 quartz diorite dyke. 61 - 61.5 quartz diorite dyke.

62 - 78 Diorite - Dark green, medium grain, contact indistinct and fine grained over 2'. Scattered pyrite and fine grains.

78 - 80 Trap dyke - gray, fine grain, sharp contacts at 45.

80 - 88 Diorite - as above. 82-82.1 fine stringers of chalcopyrite.

88 END OF HOLE.

Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole 14

Lat. 10678.55 Bearing N 21 E Started Feb. 12/56
Dep. 9129.88 Dip - Collar 30 Completed Feb. 13/56
Elev. 9954.33 Depth 106

0 - 3 Casing

3 - 4 Andesite - (Casing core) Green, fine grained, fine stringers of chalcopyrite sharp contact at 60. Core rusty weathered and badly broken.

4 - 9 Quartzite Breccia - Blue to white glossy quartzite. Broken with rusty weathered fractures. Scattered grains of chalcopyrite and sphalerite.

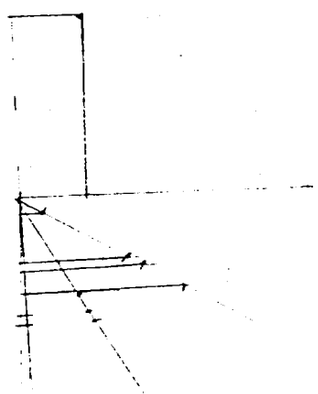
9 - 34 Quartzite Breccia - Blue to white glossy quartzite all more or less brecciated and fragmental. Large blebs and irregular stringers of chalcopyrite rather irregularly distributed. Sparse blebs of sphalerite.

34 - 46 Quartzite Breccia - Blue to white glossy quartzite as above but only sparse scattered grains and small blebs of chalcopyrite and sphalerite.

46 - 106 Quartzite Breccia - White to blue with numerous irregular dark gray graphitic sections. Extremely hard and glassey. Scattered sparse grains and small blebs of chalcopyrite and sphalerite. 59 - 1" bleb of chalcopyrite with sphalerite.

106 END OF HOLE.

	Samples:	No.	Width	%Cu.	%Zn.
4.0 - 9.0	breccia scattered chalco and sphalerite	850	5.0	0.15	0.84
9.0 -14.0	" strs. of " " "	851	5.0	3.82	1.78
14.0-19.0	Ditto	852	5.0	1.99	0.66
19.0-24.0	"	853	5.0	1.53	1.83
24.0-29.0	"	854	5.0	4.28	0.80
29.0-34.0	"	855	5.0	6.53	0.28
34.0-39.0	breccia fine chalco and sphalerite	856	5.0	0.87	0.04
37.0-40.0	Check sample	857	3.0	1.27	1.55
	Average 9.0 - 34.0		25.0	3.63	1.07



Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole No. 15

Lat.	10676.33	Bearing	N 21 E	Started	Feb. 13/56
Dep.	9129.11	Dip	60	Completed	Feb. 14/56
Elev.	9954.22			Depth	63.0'

0.0 - 2.0	Casing
2.0 - 14.8	Silicified breccia, badly weathered and oxidized 8.2 - 8.4 Fair chalcopyrite. mc - Py
14.8 - 31.6	Andesite - slight pyrite. and gr.
31.6 - 35.0	Silicified breccia - sparse mineralization mc Py
35.0 - 37.0	Andesite band, slight pyrite gr.
37.0 - 40.0	Silicified breccia with andesite inclusions. Massive patches chalcopyrite minor zns. bc
40.0 - 63.0	Grey tuff, minor pyrite 48.0 - 50.5 silicified breccia mineralization?
63.0	END OF HOLE

Samples:	No.	Width	%Cu.	%Zn
37.0 - 40.0 breccia massive chalco	858	3.0	7.40	0.70

40-48 - Grey Tuff
48 - 50.5 Sil Brecc
50.5 - 63 Grey Tuff

Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole No.16

Lat.	10620.7	Bearing	N 12 W	Started	Feb. 14/56
Dep.	9210.60	Dip	45	Completed	Feb. 15/56
Elev.	9955.93			Depth	123.0'

0.0 - 2.8 Casing

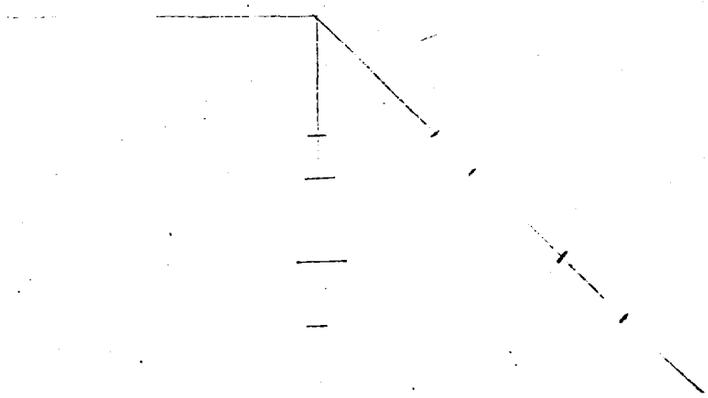
2.8 - 87.7 Silicified breccia with large chloritic and serecitic bands and fragments. 21.2 - 24.3 scattered threads of Zns and Chalcopyrite. not heavy enough to sample 48.6 - 53.0 fairly consistent massive patches of chalcopyrite and minor Zn. 53.0 - 58.0 Scattered patches massive chalcopyrite, slight Zinc, some pyrrhotite. 58.0 - 63.0 Few irregular patches and threads of chalcopyrite, pyrrhotite and sphal. 74.2 - 76.0 Band of andesite. 73.0 - 79.5 Few scattered threads of chalcopyrite and zinc. 71.5 - 79.5 Few scattered bands, threads and blebs of chalcopyrite and zinc some pyrrhotite

87.7 - 91.5 Greenish chloritic andesite sparse mineralization.

91.5 -123.0 Diorite - coarse porphyritic type grading to fine to medium grained.

123.0 END OF HOLE.

	Samples:	No.	Width	%Cu	%Zn.
48.6-53.0	breccia good chalco, minor zn.	859	4.4	3.26	Tr.
53.0-58.0	ditto	860	5.0	1.02	0.56
58.0-63.0	ditto	861	5.0	0.56	0.38
71.5-79.5	breccia little chalco and zn.	862	8.0	0.25	0.19
	Average: 48.6 - 63.0		14.4	1.54	0.31



Chunsby Mines Ltd.7 Sultan, Ontario Page 1 Hole No. 17

Lat.	10795.03	Bearing	S 83 W	Started	Feb. 17/56
Dep.	9597.76	Dip	45	Completed	Feb. 21/56
Elev.	9940.04			Depth	245

0.0 - 5.8 Casing

5.8 -12.2 Graphitic andesite]

12.2 -54.0 Highly siliceous breccia. Somewhat fragmental in narrow sections. Slight mineralization in scattered threads, mostly pyrite.

54.0 -67.0 Grayish tuff, less silicious, fracturing at 30 to core, sparse mineralization.]

67.0 -98.0 Graphite shear with quartz and carbonate blebs and threads. Bands of breccia and silicious tuff at 30 to core. 72.0' - 76.0' - Fair Cpy. in massive patches and threads, slight Zns. Mineralization starts at 56.5' on to 80.0'. 62.5 - 72.0, erratic distrib. of sulphides including mass. pyrite, pyrr., chalco and Zns. 76.0 - 79.9, mostly pyrite in a breccia, slight cpy. and threads of Zns. 56.5 - 62.5, scattered patches of py., cpy., & Zns., also threads. 91.0 - 98.0, pyrite, chalco and Zns. mostly in fractures from 30 to 90 to core]

98.0 -133.0 Graphitic breccia fracturing at 30 to core. Fair amount of pyrite in cubes (1/16") slight cpy. in fractures. From 109.0' good chalco, slight Zns. in blebs and threads.
Slight cpy, & Py. (sampled to complete section) 103.0 - 106.0', fair Zns & Cpy. in fractures in graphitic shearing. 106.0 - 109.0, very slight cpy. sampled to complete section. 109.0 - 115.0, good distribution of cpy. with slight zns. in fractures and blebs. 115.0 - 121.0, very good chalco, in massive narrow threads and blebs in graphitic breccia, slight Zns. 121.0 - 127.0', good cpy. & slight zns. in patches. 127.0 - 133.0, good cpy. & slight zns. in threads and blebs.
Graphitic breccia, fracturing at 30 to core, good chalcopyrite slight Zns in blebs and threads]

133.0 -147.5 Dark green basic andesite. Patches of pyrite in cubes slight chalcopyrite]

147.5 -167.4 Fine grained grey tuff. 147.5 - 151.0 massive patches chalcopyrite]

167.4 -177.0 Silicious breccia, large angular quartz fragments, massive patches chalcopyrite, some bands of andesite. 166.4 - 169.8 - massive pyrite and patches massive chalcopyrite. 173.4 - 177.4 - Fair chalcopyrite in massive patches 169.8 - 173.4 - Slight pyrite - samples to complete section.]

177.0 -185.0 Grey tuff, sparse mineralization slight pyrite]

185.0 -200.3 Greyish green agglomerate, few splashes of pyrite]

200.3 -245.0 Fine grained grading to coarse quartz diorite, coarse starts at 215.0'. No mineralization.]

245.0 END OF HOLE

	Samples:	No.	Width	%Cu	%Zn
56.5-62.5	graphite shear py. chalco, zinc	867	6.0	0.35	1.50
62.5-72.0	ditto	865	9.5	0.31	2.73
72.0-76.0	"	864	4.0	0.76	2.73
76.0-79.9	"	866	3.9	0.05	0.38
98.0-103.0	graphitic breccia chalco and zn.	874	5.0	0.15	nil
103.0-106.0	ditto	870	3.0	0.51	1.60
106.0-109.0	"	871	3.0	1.63	nil
109.0-115.0	"	872	6.0	1.63	0.35
115.0-121.0	"	873	6.0	2.19	0.80
121.0-127.0	"	875	6.0	1.07	0.56
127.0-133.0	"	876	6.0	3.47	1.17
147.5-151.0	Tuff massive patches chalco	877	3.5	3.31	
166.4-169.8	breccia mass. patches of chalco	878	3.4	3.16	
169.8-173.4	ditto slight pyrite	880	3.6	0.20	
173.4-177.4	"	879	4.0	2.24	
	Averages:				
	56.5 - 79.9		23.4	0.35	2.02
	103.0 - 133.0		30.0	1.88	0.73
	166.4 - 177.4		11.0	1.86	

Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole No. 18

Lat. 10776.08 Bearing S 68 W Started Feb. 22/56
Dep. 9667.24 Dip - Minus 60 Completed Feb. 24/56
Elev. 9947.14 Depth 153.0'

0.0 - 6.0 Casing

6.0 -24.5 Mostly silicious breccia with narrow bands of graphitic shear and andesite. Well mineralized mostly pyrite, little chalco.

24.5 -116.0 Graphitic shearing, well min. mostly pyrite as fracture filler, also blebs of pyrite. Fractures at 30 to core, may indicate an almost vertical dip. Some contorted threads pyrite. 29.4 - 33.0 - grey tuff. 79.0 - 97.5 more quartz fragments and a little chalco. with consid. pyrite. 79.0' - 89.0' Silic. breccia, consid. pyrite in threads and blebs, slight cpy. 89.0 - 97.4 ditto #881. 88.5' - 97.4' - 3' ground sludge sample. 109.0 - 115.0 Silic. breccia, well pyritized, slight chalco.

116.0-153.0 Fine to medium grained quartz diorite, sparse mineralization.

153.0 END OF HOLE.

	Samples:	No.	Width	%Cu.	%Zn.
79.0-89.0		881	10.0	Tr.	
89.0-97.4		882	8.4	Tr.	
109.0-115.0		883	6.0	Tr.	

NOTE: Poss. of vert. dip. (OR HORIZONTAL) (WIDTH OF SURFACE OUTCROPPING SUPPOSE FLAT DIP - (IF BE)

Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole No. 19

Lat.	10795.03	Bearing S 68 W	Started Feb. 25/56
Dep.	9597.76	Dip - minus 35	Completed Feb. 26/56
Elev.	9940.04		Depth 87.0'

0.0 - 6.0 Casing

6.0 -37.0 Dark brecciated andesite, narrow silicicus bands at 20 to core. Bearing of hole is about down strike, fracturing almost vertical slight pyrite in threads.] C Gr

37.0 -54.5 Brecciated tuff, much more pyrite in coarse clusters and threads at 20 to core.] Tuff

54.5 -87.0 Graphitic shear zone, few narrow bands, non-graphitic andesite, 5" max. width. 66.0' - 71.0' Coarse pyrite, very slight chalcopyrite in threads and patches.] Gr

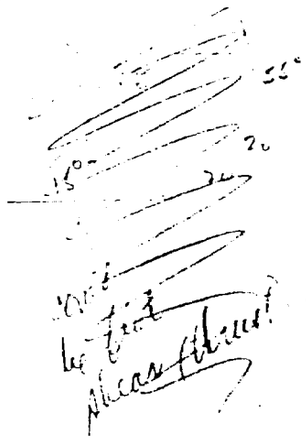
87.0 END OF HOLE.
TO BE DEEPENED LATER. Never deependd.

Samples:	No.	Width	%Cu	%Zn.
66.0' -71.0'	885	5.0	.15	

no silicification in 37-87 ?

check this hole out.

Breec. Tuff = ? — a) Agglom. are tuff + cement. ?
b) ✓, say SiO2 or Gr with tuff cement



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Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole No.20

Lat.	10795.03	Bearing	N 34 W	Started	Feb. 26/56
Dep.	9597.76	Dip	45	Completed	Mar. 15/56
Elev.	9940.04			Depth	742

0.0 - 7.0 Casing

7.0 - 8.2 Andesite - no min.

8.2 -107.0 Silicious breccia - mostly quartz fragments, slight pyrite. 9.2' - 10.0' massive pyrite. 37.5' - thread of chalcopyrite. 42.0' - 2" heavy fine chalco. 48.0 - Few threads of chalco. 50.2 - 51.4 - Few threads of chalco and little zinc. 52.6' - threads and patches cpy. 62.5' - patch of cpy. & zns. 64.8' - few threads of cpy. Threads are in fractures up to 1/8" in thickness. 48.0' - 51.4' widely scattered threads of cpy. 68.0' - few threads cpy. and little zn. 81.5 - 85.5 - scattered massive chalco pyrite in patches and threads in fractures, fair zinc in patches. 93.5 - thread of cpy. 101.0 - 107.0 - Hard glassy greyish white quartz with scattered patches and threads of cpy. and a few patches Zns.

107.0-109.0 Dark chloritic andesite, sparse min. ~~ ?

109.0-114.0 Light greenish grey tuff, few patches chalco. 107.0 - 114.0 few patches chalcopyrite in tuff.

114.0-125.0 Andesite tuff breccia, scattered patches massive chalco and zns. 114.0 - 117.0 scattered patches chalco and some zinc. 117.0 - 120.7 hard light green quartzite? Sparse min. 120.7 - 124.7 very massive patches chalco. 125.0 - 137.5 light greenish tuff, well pyritized. 137.5 - 145.0 graphitic andesite patches coarse pyrite, little chalcopyrite. 137.5 - 145.0 mostly pyrite little cpy. in threads.

145.0-156.0 Greyish white silicious breccia 145.0 - 156.0 Very massive sections of chalco and pyrite, little zinc.

156.0-161.0 Fault zone (graphitic breccia) Lost core - 2.0'

161.0-198.0 Dark green andesite, slight pyrite with agglomerate bands. 174.0 - 176.5 - Agglomerate.

198.0-263.0 Medium grained quartz, diorite, sparse mineralization. 215.5 - darker green and much more disseminated pyrite. 227.0 - Thin thread of chalcopyrite at flat angle to core. 227.0 - 231.8 Fine disseminated pyrite. 231.8 to 237.0 considerable coarse pyrite.

263.0-276.5 Light greyish green altered tuff and agglomerate, slight pyrite.

276.5-290.00 Dark green medium grained andesite? coarse pyrite

290.0 Medium to fine grained diorite sparse mineralization numerous quartz stringers. 309.0 - 325.0 light green fine grained diorite, prob. alteration. 325.0 - 416.0 medium grained diorite sparse mineralization. 416.0 - 584 medium grained diorite a little pyrite dark green, more hornblende.

290.0-638.0 Diorite - gradational. 584.0 - slightly schistose, fine disseminated pyrite, fine grained. Tuff or agglomorate? or

638.0-679.6 Altered diorite or outer phase from dark green to greenish grey and finer grained more schistose mineralization finer pyrite, and increasing.

679.6-687.0 Graphitic schist, may be altered greywacke, good pyrite in fractures. Contact at 30 to core down dip. Looks like steep westerly dip quartz threads and patches.

687.0-693.5 Sheared agglomerate or tuff, fine disseminated pyrite.

693.5-705.0 Coarse grained "spotted" rock may be agglomerate. No mineralization. looks dyq porphyritic.

705.0-709.0 Grey tuff fine grained, fair pyrite. GT

709.0-713.5 Graphitic shear, good pyrite in fractures, contact sharp at 30 to core.

713.5-718.5 Grey tuff, fine grained, fair pyrite. GT

718.5-722.5 Graphitic shear, scattered quartz blebs, good pyrite in threads.

722.5-739.5 Dark grey tuff, fine grained, fair pyrite in threads. GT

739.5-742.0 Dark green andesite, some pyrite. GT

742.0 END OF HOLE.

	Samples:	No.	Width	%Cu.	%Zn
48.0-51.4	breccia py. slight chalco	886	3.4	0.30	
81.5-85.5	breccia patches of mass. chalco	887	4.0	1.17	1.82
101.0-107.0	quartz, specks of chalco & zinc	888	6.0	0.51	0.65
107.0-114.0	Tuff " " " "	889	7.0	0.30	-
114.0-117.0	" " " " "	890	3.0	1.37	1.96
117.0-120.7	Quartzite sparse mineral	891	3.7	0.10	-
120.7-124.7	breccia mass. patches of chalco	892	4.0	5.10	0.70
137.5-145.0	tuff breccia little chalco and py.	893	7.5	0.46	-
145.0-156.0	breccia py. mass chalco and zn.	894	11.0	0.86	7.53
	Average: 114.0 - 124.7		10.7	2.32	0.81

? DD core box

Box 16.17.18 - Pegmatitic diorite, footage unknown. varying to felsic and porphyry.

Box 19 - Coarse grained andesite with tiny felsic phenos.

Box 20 - Fine grained andesite with tiny feldspar phenos. Probably all a phase of dyq. diorite

what is "Andesite"
- Gr?
- Diorite?
- Dio?

WH Jan 29/69

Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole No. 21

Lat.	10795.03	Bearing	N 67 W	Started	Mar. 2/56
Dep.	9597.76	Dip	45	Completed	Mar. 4/56
Elev.	9940.04			Depth	207

0.0 - 5.0 Casing

5.0 - 6.0 Andesite - sparse mineralization

6.0 -20.0 Brecciated iron formation. Few blebs and threads of chalcopyrite and pyrite. At 17.5 some minor faulting with slight displacement.

20.0 -25.0 Grey fine grained tuff, may be altered version of iron formation, sparse mineralization. 21.3 - 25.4 - 10" Ground.

25.0 -42.0 Brecciated iron formation. Could be fault 32.0 - 35.0 Sludge sample. 35.0 - 42.0 Numerous fractures filled with chalcopyrite some zinc, also blebs chalcopyrite in fragments. 25.4 - 30.0 - 3.0' Ground. 30.0 - 31.0 - 6" Ground. 31.0 - 32.5 - 6" Ground. 32.5 - 35.0 - 2.0 Ground

42.0 - 46.0 Slatey greywacke, slightly graphitic thread chalcopyrite at contact with I.F. 42.0 - 46.0 slight chalcopyrite in threads.

46.0 -59.3 Brecciated iron formation, chalcopyrite well distributed in fractures and irregular blebs, slightly graphitic. 46.0 - 52.5 considerable chalcopyrite in threads and blebs, 52.5 - 59.3 scattered blebs and threads chalcopyrite some zinc.

59.3 -69.5 Slaty greywacke, bedding at 40 to core. slight pyrite

69.5 -111.0 Brecciated iron formation with tuff and graphitic bands. Scattered blebs and threads chalcopyrite and zincs. 68.5 - 79.5 scattered threads chalcopyrite slight zinc. 79.5 - 84.5 Ditto #900. 81.6 - 86.0 - 1.0' ground. ~? 84.5 - 92.0 Some very good sections chalcopyrite in threads and irregular blebs. 92.0 - 97.0 Scattered threads chalcopyrite some zinc. 97.0 - 102.0 Ditto #903. 102.0 - 107.4 Ditto #904. 107.4 - 111.4 Scattered threads chalcopyrite.

111.0-119.0 Slaty graphitic greywacke patches chalcopyrite some zinc.

119.0-140.0 Silicious breccia, numerous chalcopyrite filled fractures. 119.0 - 127.4 Fair chalcopyrite in numerous threads also fair zinc. 127.4 - 137.4 Good threads and patches chalcopyrite. 137.4 - 140.6 patch chalcopyrite and threads

140.6-147.3 Grey tuff, chalcopyrite and pyrite disseminated

147.3 Hard silicious breccia - scattered threads and patches chalcopyrite zinc and slight Phs. 157.2 - 159.7 Fairly massive zincs and good chalcopyrite. 159.7 - 164.5 Few threads Chalcopyrite. 164.5 - 170.0 First 10" very massive chalcopyrite. 170.0 - 180.0 Consistent patches massive chalcopyrite. 180.0 - 185.0 Scattered patches chalcopyrite and zinc.

147.3-192.0 Hard silicious breccia.

192.0-207.0 Diorite, fine to medium grained. Few threads pyrite chalcopyrite. 194.0 - 196.3 Grey tuff.

207.0 END OF HOLE.

Samples:	No.	Width	%Cu	%Zn.
35.0-42.0	896	7.0	.92	1.63
42.0-46.0	897	4.0	.15	.18
46.0-52.5	898	6.5	2.60	.70
52.5-59.3	899	6.8	.87	.51
68.5-79.5	900	11.0	.36	.65
79.5-84.5	901	5.0	.15	.70
84.5-92.0	902	7.5	2.96	.60
92.0-97.0	903	5.0	.46	.47
97.0-102.0	904	5.0	.87	.75
102.0-107.4	905	5.4	.46	.23
107.4-111.4	906	4.0	1.12	.23
111.4-119.0	907	7.6	.51	2.29
119.0-127.4	908	8.4	.66	2.71
127.4-137.4	909	10.0	2.24	1.49
137.4-140.6	910	3.2	1.43	1.73
140.6-147.3	911	6.7	.56	.98
157.2-159.7	912	2.5	2.40	6.45
159.7-164.5	913	4.8	.20	.47
164.5-170.0	914	5.5	1.58	1.26
170.0-180.0	915	10.0	1.17	.65
180.0-185.0	916	5.0	1.22	.56
Averages:				
84.5-185.0		100.5	1.09	1.14
35.0-59.3		24.3	1.23	0.83

Shunsby Mines Limited, Sultan, Ontario — Page 1 Hole No. 22

Lat.	10795.03	Bearing	N 67 W	Started	Mar. 5/56
Dep.	9597.76	Dip	60	Completed	Mar.10/56
Elev.	9940.04			Depth	408.0'

0 - 6.0 Casing

6.0 - 13.0 BC Hard silic. breccia, fair diss. py. & slight cpy.

13.0- 29.5 ST Tuff - greyish green, almost parallel to core. Sparse min.

29.5-40.0 FAULT ZONE - Frag. breccia. 30.0' - 34.0 - 3.5 ground. 34.0' - 40.0 - 4.0' ground. Fault probably.

40.0-74.0 BC Silicious breccia, large angular fragments good cpy. in sections. 44.0 - 47.5 Few large patches chalcopyrite, some zinc. 61.5 - 69.5 - few threads cpy. and diss. zns. 56.0 - 56.7 - fair cpy. & zn. in patches.

74.0-93.7 IF. BC. Brecciated iron formation, diss. sphalerite with few threads cpy. 83.0 - 85.0 - fine diss. zns Some minor displacement up to 1/4", almost down dip. 88.0 - 88.6 - fine diss, zns. 91.0 - 98.7 - Two sections good chalco in threads plus diss. zns.

93.7-111.0 BC Silic. Breccia scattered threads of cpy. & patches Zns. 111.0 - 111.5 - Band of andesite, slight py.

110.0-;26.2 Interbanded slaty greywacke (slightly graphitic) and iron formation. Most of min. confined to brecciated I.F. Some good patches cpy. & Zns. 111.5 - 117.0 Includes 1 foot slaty gwke., slight py. plus well distrib. cpy. in patches, slight zns. 117.0 - 119.0 - andesite, slight py. 119.0 - 122.0 - Massive patches chalco, pyrite slight zns in silic breccia. 122.0 - 126.2 - Grey tuff well min. pyrite in mass. patches.

126.2-149.5 Slaty graphitic greywacke, patches massive pyrite, slight cpy. 130.0 - 132.6 includes 1 foot massive chalco. slight zns.

149.5-197.0 Sheared agglomerate, diss. pyrite

197.0-408.0 Dicrite - gradational from coarse to fine to medium. Sparse min. 197.0 - 202.0 - looks porphyritic with large felds par (pink) fragments. Slight pyrite. 206.0 - 210.0 - Few specks chalco & pyrite. 221.0 - 224.0 - Few specks chalco & pyrite, slight zns. 238.0 - 238.8 - Few coarse cubes pyrite, little cpy. 256.0 - 265.0 - Grey tuff greenish grey, a little fine pyrite. May be fine grained phase of diorite? 265.0 - 335.0 - Sparse min. in med. grained diorite. 335.0 - 408.0 - Coarser grained and very sparse min. Few threads quartz & carbonate. 377.0 - 379.0 - Fine grained diorite.

408.0 END OF HOLE

Samples:

	No.	Width	%Cu	%Zn
26.0-36.0	918	10.0	0.10	0.89
36.0-40.0	919	4.0	0.25	1.32
44.0-47.5	920	3.5	0.41	1.30
54.5-61.5	930	7.0	0.05	nil
61.5-69.5	921	8.0	0.02	1.93
91.0-98.7	922	7.7	0.20	0.91
98.7-104.0	931	5.3	0.02	tr.
104.0-111.5	932	7.5	0.07	tr.
111.5-117.0	923	5.5	0.46	0.71
117.0-119.0	924	2.0	0.46	Nil
119.0-122.0	925	3.0	2.85	Tr.
122.0-126.2	934	4.2	0.07	Tr.
126.2-130.0	933	3.8	1.28	Tr.
130.0-132.6	926	2.6	10.40	Tr.

	Samples: (cont'd)	No.	Width	%Cu	%Zn
170.5-172.5		935	2.0	0.05	Nil
182.5-184.5		936	2.0	0.15	Nil
206.0-210.0	Spectro	927	4.0	0.30	1.17
210.0-214.0		937	4.0	0.02	0.25
214.0-221.0		938	7.0	0.03	0.25
221.0-224.0		928	3.0	0.35	2.04
224.0-230.0		939	6.0	0.05	0.28
237.0-241.0		940	4.0	0.02	0.15
	Averages: 119.0 - 132.6		13.6	3.00	Tr.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 23

Lat.	10787.29	Bearing N 34 W	Started Mar. 17/56
Dep.	9666.95	Dip - minus 45	Completed Mar. 20/56
Elev.	9947.04		Depth 280.0'

0.0 - 7.0 Casing

7.0 -16.5 BC Hard brecciated iron formation. Fair pyrite in fractures.

16.5 -20.0 SW Graphite greywacke, slight py.

20.0 -33.5 ST Grey f.g. tuff, slight py.

33.5 -98.0 ST Graphite shear, consid. pyrite in fractures at 45 to core, also small pyrite "bombs" replacing qtz, frag. 55.5 - 57.0' Gray tuff band or acid dike. 74.0 - 80.0' - A little cpy. with pyrite. 80.0 - 84.4 - 2' ground. May be fault to match D.H. #18.

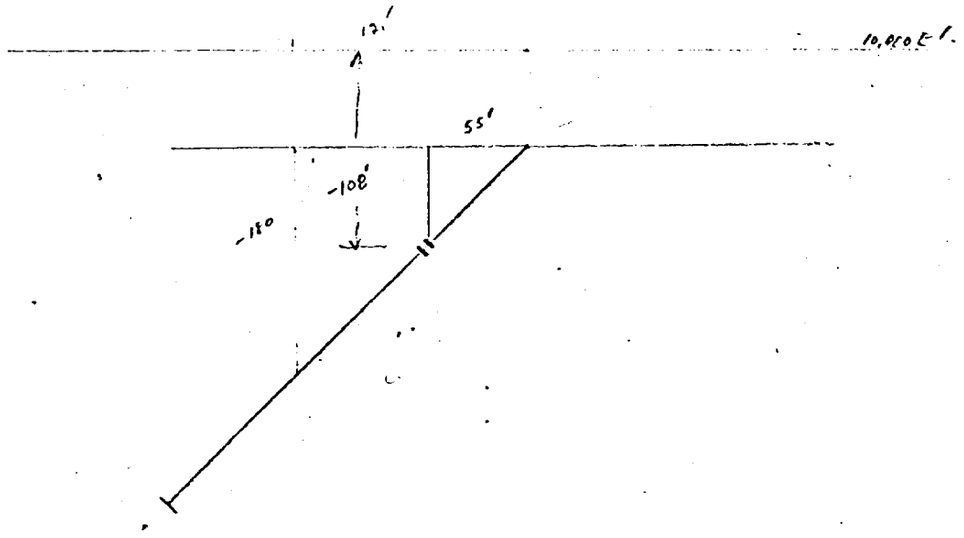
98.0-174.0 ST Grey tuff, diss. pyrite slight. at 127.3 thin thread of chalcopyrite.

174.0-182.0 d Agglomerate or upperphase of diorite, sparse min. py.

182.0-280.0 d Med. grained diorite, sparse min.

280.0 END OF HOLE.

Samples:	No	Width	%Cu	%Zn.
74.0 - 80.0	929	6.0	.05	-



Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 24

Lat.	10702.06	Bearing	N 37 W	Started	Mar. 21/56
Dep.	9444.16	Dip	40	Completed	Mar. 22/56
Elev.	9941.13			Depth	181.0

0.0 - 5.0 Casing

5.0 - 122.0 Mostly tuff & agglomerate large rounded fragments, slight py. agglom. grades to grey tuff. Tuff alters to light acid green.] T

122.0-181.0 Diorite - dark green, sparse py. gradational from fine to course.] d

181.0 END OF HOLE

deg?

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 25

Lat.	10723.57	Bearing	N 88 E	Started	Mar. 25/56
Dep.	9420.69	Dip	55	Completed	Mar. 28/56
Elev.	9944.81			Depth	310

0.0 - 5.5 Casing

5.5 -122.3 Agglomerate (p) tuff - greyish fine grained, some fine disseminated pyrite with odd speck chalcopyrite, more silicious in sections. Large (1/2") rounded spherical inclusions. 68.2 few specks chalcopyrite in quartz and calcite stringer. 70.5 Few specks and patches chalcopyrite at and near fracture at 45 to core. Fine pyrite.

122.3-141.5 Greywacke to graphitic slaty greywacke, fractured at 60 to core. 126.0 1" narrow quartz stringers, some galena and chalcopyrite little Zns. 126.5 - 141.5 Numerous patches of coarse pyrite and fine pyrite in threads.

141.5 Brecciated slaty & I.F. greywacke, numerous bands at 45 to core of quartz and carbonate with patchy chalcopyrite and ZnS along with pyrite. 141.5 - 146.5 Fair chalcopyrite and sligh ZnS in patches and threads. 146.5 - 152.3 Slight chalcopyrite and zinc. 141.5 - 149.0 - 1.0' Ground. 152.3 - 161.0 Slight chalcopyrite and Zinc. 161.0 - 166.0 Slight chalcopyrite and Zinc. 166.0 - 172.0 Fair chalcopyrite in patches. 173.0 - 178.7 - 0.8' ground. 172.0 - 177.0 - Good Mass. Patches cpy. & Zns. 177.0 - 183.0 - Slight cpy. & Zns. 183.0 - 188.0 - Good threads cpy. slight zns. 188.0 - 190.0 - Band of andesite slight py. 190.0 - 194.0 - Brecciated I.F., slight chalco. 194.0 - 201.0' - Good chalco, mass. patches. 192.0' - 201.0' . Sludge (2.8' ground) (Fault)

206.0-253.0 Fine grey tuff with irreg. threads & patches cpy. & zns. 201.0 - 206.5' includes mass. patch cpy. at 203.5 (3"). 206.5 - 212.0' - Threads cpy. 194.0 - 201.0 - badly shattered brecciated I.F. prob. on account of contact with tuff. Ground 2.8' of good chalco but have sludge. Quite massive pyrite. At 219.0' - 4" slight cpy. py. & zns. From 237.0' - more schistose with fractures at 30 to core.

253.0-303.0 Med. grained dark green chloritic andesite, num. qtz. threads & strgs. slight py. 303.0 - 310.6 Diorite dark green

310 END OF HOLE

253-303 lig?
303-311 - d.

Samples:

	No.	Width	%Cu	%Zn.
141.6-146.5	941	5.0	0.77	0.66
146.5-152.3	942	5.8	0.41	1.58
152.3-161.0	943	8.7	0.51	0.77
161.0-166.0	944	5.0	0.92	0.51
166.0-172.0	945	6.0	0.20	0.05
172.0-177.0	946	5.0	1.89	3.67
177.0-183.0	947	6.0	0.46	0.05
183.0-188.0	948	5.0	0.77	1.02
188.0-190.0	950	2.0	0.20	0.07
190.0-194.0	951	4.0	0.26	1.27
194.0-201.0	954	7.0	0.46	1.53
201.0-206.5	952	5.5	2.75	0.89
206.5-212.0	953	5.5	0.41	1.48

Average:

141.5-212.0	70.5	0.77	1.06

5-15 d
15-28 - C + Gr alt.
28-37 - C

Shumsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 26

Lat.	10943.53	Bearing	N 52 W	Started	Mar. 29/56
Dep.	9603.88	Dip	45	Completed	Apr. 6/56
Elev.	9933.75			Depth	258

0 - 5	Casing
5 - 37	Shattered broken, weathered core, probable fault zone, odd specks of chalcopyrite and sphalerite, much lost core. 5 - 11 Fine to coarse diorite. 11 - 13 - 75% fine granular pyrite banded at 30 to core. 13 - 15 Coarse green rather fresh diorite. 15 - 28 Alternating blue quartzite and greenstone bands. 28 - 37 Blue brecciated quartzite. Lost core - 17 - 19, 21 - 24, 25 - 26, 27.5 - 28, 30 - 32.] d 17-37
37 - 71	Graphitic quartzite - gray, blue to dark graphitic all considerably brecciated. 37 - 40.5 Almost void of sulphides. 40.5 - 71 Chalcopyrite and a little sphalerite as blebs and irregular stringers often near parallel to the core. Grading into blue quartzite. good pyr] Q?
71 - 91	Blue quartzite - Hard, glassey, slightly brecciated, sparse scattered grains of chalcopyrite and sphalerite.] QB
91 - 94	Argillite - Dark gray, graphitic, fine grain, sharp contacts at 45. Almost void of sulphides except for small blebs in the contacts. 71 - 82, 82 - 94.] A
94 - 101	Chalcopyrite vein - brecciated blue quartzite with long coarse stringers of chalcopyrite at 20 to 30 to core. About 25% chalcopyrite. Zn 0.4% Cu 0.5%] Cu
101 - 130	Graphitic quartzite - Generally dark graphitic brecciated quartzite interbedded with gray fine grained argillite bands up to 1' wide. Scattered small belbs of chalcopyrite mostly in the quartzite. 106 - 107 stringer of chalcopyrite parallel to core. 101 - 110, 110 - 129, 120 - 130, 128 - 130 Sulphides 20% but mostly pyrite.] Q
130 - 138	Andesite - Green, fine grain, scattered pyrite and odd specks of chalcopyrite.] Gr
138 - 161	Breccia - Irregular bands of andesite, brecciated quartzite and graphitic material. Sheared and broken. Scattered pyrite and odd specks of chalcopyrite.] Q
161 - 178	Andesite - Green, fine grain, leucoxene alteration, scattered pyrite. dig?] Gr
178 - 180	Quartz diorite - medium grain, sharp contacts at 30 to core.] d
180 - 192	Andesite - as above. dig] Gr
192 - 201	Quartz breccia - white quartz with large inclusions of greenstone. Scattered pyrite and specks of chalcopyrite.] Q
201 - 222	Graphitic shear - graphitic, quartz, heavily sheared and broken. About 50% of core ground. Scattered pyrite and a few specks of chalcopyrite. Lost core 204 - 08, 209 - 10, 211 - 12, 215 - 16, 220 - 21. Sludge 198 - 221. 204-221
222 - 258	Andesite - pale green, fine grain, scattered quartz stringers and specks of pyrite.]
258	END OF HOLE.

37 · Q?

repeat

Samples:			No.	Width	%Cu	%Zn
40 - 47			964	7.0	1.43	0.51
47 - 54			965	7.0	2.09	0.30
54 - 61			966	7.0	1.53	0.91
61 - 66			967	5.0	0.46	1.22
66 - 71			968	5.0	1.32	0.86
71 - 82			969	11.0	0.05	0.15
82 - 94			970	12.0	0.25	0.46
94 - 101			971	7.0	10.45	0.51
101 - 110			972	9.0	1.02	0.10
110 - 120			973	10.0	0.45	0.40
120 - 130			974	10.0	0.81	1.47
192.0-201.0			980	9.0	0.09	nil
198 - 221.0		sludge	981	23.0	0.20	0.05
Averages:						
40 - 71				31.	1.42	0.72
71 - 94				23.	0.15	0.31
94 - 130				36	2.63	0.64
40 - 130				90	1.58	0.58

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 27

Lat.	10637.10	Bearing S 87 E	Started Mar. 29/56
Dep.	9469.37	Dip - minus 45	Completed Apr. 2/56
Elev.	9945.57		Depth 260

0 - 9 Casing

9 - 41 Quartz Breccia - Light gray, hard and siliceous, angular to rounded fragments. Scattered fine pyrite. 14 - 15 sphalerite and pyrite, one bleb of chalcopyrite. Lost core 28 - 30.

41 - 56 Quartz Breccia - As above with sphalerite, scattered chalco-pyrite and pyrite

56 - 62 Fault - Sheared and broken, graphitic gouge, 3' lost core.

62 - 122 Andesite agglomerate - Gray to light gray, soft, minor schisting. Rounded fragments (lapilli) up to 1" diameter. 89 - 122 Sheared and broken. Lost core - 89-91, 96-97, 120-122. Scattered irregular graphitic bands after 92'. 103 - 1" graphite with grains of chalcopyrite.

122 - 143 Graphitic tuff - Thin banding at 70 degrees to core, black to dark gray. Sulphides as bands and fine irregular stringers also fine disseminated grains. Mostly pyrite with scattered chalcopyrite and sphalerite. Gray silicious bands increasing down hole. Lost core 33-35. 122-127 - sparse chalcopyrite. 127-137 - chalco, almost nil, 2' lost core. 137-143 - Sparse chalcopyrite. Sludge.

143 - 192 Quartzite Breccia - Blue to pale gray quartzites generally brecciated. Occassional argillaceous band up to 1' wide. 143-160 - Scattered grains of pyrite. 160-171 - Blebs and fine stringers of chalcopyrite possibly 1% cu. 171-183 - Scattered large blebs of pyrite with minor chalcopyrite. 183-192 - Scattered pyrite

192 - 205 Graphitic Quartzite - Blue to black graphitic, scattered pyrite with odd bleb of sphalerite, very little chalco. 195-200 - Sheared and broken, calcite stringers. 1.5' lost core.

205 - 260 Andesite - Uniform gray green, fine grain, widely scattered grains of pyrite.

260 END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
041.0-046.0	breccia pyrite, chalco, sphalerite	955	5.0	0.61	3.11
046.0-051.0	" " " "	956	5.0	0.82	1.02
051.0-056.0	" " " "	957	5.0	0.41	1.27
122.0-127.0	graphitic tuff py. chalco, sphalerite	958	5.0	0.77	3.26
127.0-137.0	" " " " "	959	10.0	0.15	0.41
137.0-143.0	" " " " "	960	6.0	0.92	0.66
129.0-135.0	sludge sample	963	6.0	0.25	0.20
160.0-171.0	breccia some chalco	961	11.0	1.63	0.81
171.0-183.0	" pyrite& "	962	12.0	0.51	0.55
	Averages: 41.0 - 56.0		15.0	0.61	1.80
	122.0 - 143.0		21.0	0.51	1.16
	160.0 - 183.0		23.0	1.04	0.63

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 28

Lat.	10640.91	Bearing	S 87 E	Started	Apr. 3/56
Dep.	9390.57	Dip	45	Completed	Apr. 6/56
Elev.	9943.41			Depth	306

0 - 15 Casing

15 - 179 Andesite agglomerate - Pale grey green, rounded fragments up to 1/2" diameter, interbadded with fine tuff. 108 - specks of chalcopyrite in quartz stringers. 136 - specks of sphalerite.

179 - 205 Graphitic tuff - dark gray, thin banding almost vertical to core. Similar to iron formation but appears to be graphite rather than iron. Banded sulphides mostly pyrite increasing down hole. Sharp contact at 80 to core. 179 - 188 Fine banded pyrrhotite. 188 - 205 Bands and scattered crystals of pyrite with sparse fine stringers of chalcopyrite.

205 - 238 Quartzite breccia - Gradational with tuff above. Blue to gray quartzite, considerably brecciated. 205 - 218 Sparse sulphides - pyrite, sphalerite, chalcopyrite. Irregular graphite bands. 218 - 238 Increasing pyrite as fine irregular stringers, minor chalcopyrite and sphalerite. 231.5 - 238 White quartz carbonate.

238 - 274 Andesite - Uniform pale green, medium grain, a few narrow silicious bands or stringers near the contact. Scattered pyrite crystals.

274 - 306 Diorite - Green, fine grained contact over 3 feet then becoming coarse with frequent large feldspars. 303 - 04 sheared and broken core.

306 END OF HOLE.

	Samples:	No	Whole	%Cu	%Zn
188.0-198.0	Graphitic tuff pyrite some chalco	975	10.0	0.21	0.76
198.0-208.0	" " " " "	976	10.0	0.46	0.61
208.0-218.0	" " " " "	977	10.0	0.31	0.56
218.0-228.0	" " " " "	978	10.0	0.20	0.15
228.0-238.0	" " " " "	979	10.0	0.10	Nil
				51.2	
			50'	0.25	0.41
		188-218	30.0	.33	.64
		218-238	20.0	.15	.07

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 29

Lat. 10509.62 Bearing N 83 E Started Apr. 8/56
Dep. 9460.34 Dip - minus 45 Completed Apr.11/56
Elev. 9977.84 Depth 292

0 - 10 Casing

10 - 16 Andesite - Dark green, fine grain, sharp contact near 90 to core.

16 - 88 Quartzite Breccia - White to gray quartzite thoroughly brecciated. Fragments angular with rounded edge seldom more than 1" diameter. Variable pyrhotite and pyrite usually banded at 70 to vertical. 16 - 23, - 30% banded pyrrhotite & Pyrite possibly a little sphalerite. 23 - 53 - 5-10% pyrite pyrrhotite, also dark graphitic bands up to 1' wide. 53 - 58 - 30% pyrrhotite and pyrite at 45. 58 - 88 - Less than 5% pyrrhotite & pyrite. 88 - 92 - 20% pyrrhotite & pyrite.

88 - 230.5 Quartzite Breccia - White to light gray, massive breccia. Pyrite pyrrhotite less than 1%. 208 - 230.5 - Increasing pyrite as grains and blebs.

230.5-280.5 Breccia - Quartzite, greenstone, dark graphitic rock, interbedded and often intergrading. All considerably brecciated. Sulphides mainly pyrite and pyrrhotite with widely scattered small specks of chalcopyrite & sphalerite. 241 - 245 - Pyrrhotite with a little sphalerite and chalcopyrite. 263 - 264 Large blebs of sphalerite 262 - 266, 278 - 280.5 - About 50% secondary white quartz carbonate, no sulphides.

GREENSTONE (WA)

280.5-292 Andesite - Gray green, sheared and broken, almost void of sulphide. 283 - 288 - Crumbled core, 2' lost. Sand filled fracture reported, hole caving.

292 END OF HOLE.

	Samples:	No	Width	%Cu	%Zn.
16.0-23.0	breccia pyrrh, py., sphalerite	982	7.0	0.05	Tr.
53.0-58.0	" 30% pyrrh & py.	983	5.0	0.02	Tr.
241.0-245.0	breccia, pyrrh., zn, chalco.	984	4.0	0.04	Tr.
262.0-266.0	" large blebs sphalerite	985	4.0	0.01	0.86

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 30

Lat. 11155.12 Bearing N 52 W Started Apr. 8/56
Dep. 9675.74 Dip - minus 45 Completed Apr.11/56
Elev. 9927.58 Depth 180

0 - 11 Casing

11 - 180 Andesite - uniform gray green, fine grain, scattered pyrite as sparse grains. 16 - 24 - Badly broken core. 83 - 110 - Badly broken core, no sulphides.

180 END OF HOLE.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 31

Lat.	11350.05	Bearing	N 87 W	Started	Apr. 12/56
Dep.	9705.19	Dip - Minus	45	Completed	Apr. 14/56
Elev.	9932.42			Depth	149

0 - 8	Casing
8 - 38	Quartzite Breccia - Blue to gray brecciated quartzite scattered grains & irregular stringers of pyrite with odd blebs of sphalerite. 8 - 24 - Core generally badly broken with rusty fractures. 26 - 29 - Irregular 1/2" sulphide stringer running down core - pyrite, sphalerite and chalcopyrite. 29 - 38 - Almost void of sulphides.
38 - 46.5	Trap dyke - Fine grained, dark gray green. Sharp contact at 45. Similar to andesite but appears to be a dyke.
46.5- 57	Quartzite Breccia - Blue to gray. Sulphides almost nil.
57 - 63	Fault - Broken and crumbled quartzite. Lost core 61-62, 62.5-63.
63 - 75	Andesite? Gray green, generally fine grained with scattered vague phenocrysts, also faint banding, possibly tuff or sediments - no sulphides.
75 - 85	Blue Quartzite - Generally brecciated with blebs and stringers of pyrite. 4" banded graphite in up hole contact. Also scattered small blebs of sphalerite.
85 - 149	Andesite - Green, fine grain generally with vague phenocrysts. Possibly altered diorite. Sulphides almost nil. Generally badly broken with rusty weathered fractures. Leucoxene alteration. 145 - 46 - Broken quartz stringers, no sulphides 2' lost core at end of hole.
149	END OF HOLE.

Samples:	No.	Width	%Cu.	%Zn
75.0-85.0 Quartzite py. blebs of sphalerite	986	10.0	Tr	0.46

8 - 38 - C
38 - 46 - Trap (Gr?)
46 - 57 - C
57 - 63 - C + ~~~ 61-63 ?
63 - 75 - ? Gr V?
75 - 85 - C
85 - 149 - d. (not dig?)

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 32

Lat.	10316.32	Bearing N 83 E	Started Apr. 13/56
Dep.	9531.99	Dip - Minus 45	Completed Apr. 16/56
Elev.	9988.98		Depth 301

0 - 13 Casing

13 - 20 Andesite Tuff - Gray, fine banding at 45 to vertical, no sulphides.

20 - 32 Quartzite, graphitic tuff - Interbedded brecciated quartzite and thin banded graphitic tuff or argellite. Considerable pyrite and pyrrhotite as bands and irregular blebs.

32 - 173 Quartzite Breccia - Blue to gray quartzite thoroughly brecciated. Widely scattered blebs of pyrite and pyrrhotite decreasing down hole. 112 - 114 - 50% pyrite and pyrrhotite. 117 - 124 - Scattered sphalerite with several small blebs of chalcopyrite. 171 - 173 - A few fine stringers of sphalerite with pyrite and pyrrhotite.

173 - 176 Graphitic quartzite - graphitic banding at 60 to 45. Pyrite crystals in bands, sharp up hole contact, down hole gradational.

176 - 198 Quartzite - gray, thin bedding at 45 to 60 to core. Fine pyrtie usually as bands replacing beds. 197 - 198 - 50% fine banded pyrite.

198 - 225 Quartz Porphyry dyke - Light gray, massive anhedral quartz phenocrysts up to 1/4" diameter in fine ground mass. Scattered pyrite grains. Sharp contacts at 45 fine grained over 1"

225 - 242 Graphitic Quartzite - Blue brecciated to banded dark gray graphitic. Banding at 70. Pyrrhotite with frequent splashes of sphalerite, also widely scattered small blebs of chalcopyrite.

242 - 272 Quartzite Breccia - as above. Sulphides mainly pyrrhotite with a little pyrite as irregular bands and blebs probably 5% decreasing down hole.

272 - 301 Andesite Tuff - Variable gray green to light gray. Faint banding at 30 to core. Sulphides near nil. 280 - 281 - Broken core, a few specks of chalcopyrite. 290 - Specks of chalcopyrite on slip.

301 END OF HOLE.

Samples:

	No	Width	%Cu	%Zn
117 - 124	987	7	0.10	0.92
225 - 233	988	8	Tr	0.41
233 - 242	989	9	0.13	4.49

NO DIP CORRECTION

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 33

Lat.	10979.00	Bearing	S 52 E	Started	Apr. 17/56
Dep.	9552.00	Dip	- 59	Completed	Apr. 18/56
Elev.	9938.58			Depth	123

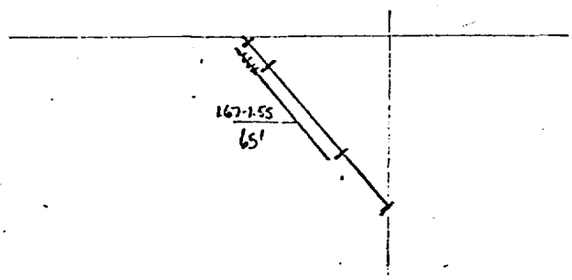
0 - 17 Casing

17 - 85 Graphitic quartzite - Blue to gray brecciated quartzite with dark graphitic banding usually at 45 approximately. Chalcopyrite scattered fairly uniformly throughout as coarse stringers and blebs also a little sphalerite. 17 - 20 core badly shattered and broken, only a few specks of chalcopyrite. 77 - 79 - core missing.

85 - 123 Andesite- Gray at contact, becoming gray green, fine grain massive. Scattered pyrite and a few widely scattered fine stringers of sphalerite.

123 END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
20 - 30		990	10	1.02	.76
30 - 40		991	10	.97	.56
40 - 50	8" lost core	992	10	.86	.56
50 - 60		993	10	2.80	.76
60 - 66		994	6	4.38	.51
66 - 72	Increasing sphalerite	995	6	3.26	7.80
72 - 85	Mostly pyrite	996	13	.25	1.94
	Averages:				
50 - 72			22.0	3.36	2.61
20 - 85			65.0	1.67	1.55



Good Cu!

✓

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 34

Lat.	40 S	Bearing	N 83 E	Started	Apr. 17/56
Dep.	346' West	Dip	-45	Completed	Apr. 19/56
Elev.	9974.0			Depth	295

0 - 13	Casing
13 - 87	Chert Breccia (formerly "quartzite Breccia") Blue to light gray thoroughly brecciated. Variable scattered pyrite and pyrrhotite. 13 - 20 Pyrite, pyrrhotite 10%. 20 - 87 Pyrite, Pyrrhotite very sparse. 83 A few specks of sphalerite.
87 - 97	Chert - Argillite - Inclusions or irregular bands of green argillite. About 20% pyrite and pyrrhotite with odd specks of sphalerite.
97 - 160	Chert Breccia - As above, sulphides very sparse, 109 Banding at 70 to core. 154 - 160 Increasing pyrite as scattered blebs.
160 - 194	Banded chert - light gray to black graphite. Thin banding at 60 - 80 to core. 5% pyrite and pyrrhotite.
194 - 274	Chert breccia - usually brecciated as above but occasional thin banded sections. Sparse sulphides. 273 small blebs of sphalerite.
274 - 295	Argillite - Dark to light gray, slaty cleavage. Thin bedding at 45 to 30 to core. No sulphides.
295	END OF HOLE.

This is middle chert ? C+A. ?
Yes.

Chert Breccia - (formerly Q-B)

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 35

Lat.	10981.55	Bearing	S 52 E	Started	Apr. 18/56
Dep.	9549.91	Dip	-80	Completed	Apr. 19/56
Elev.	9938.58			Depth	96

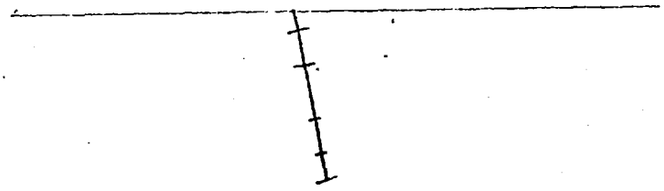
0 - 11 Casing

11 - 82 Quartzite and chert - banded chert and quartzite light gray to dark graphitic. Banding usually about 60 to core. 11 - 31 Scattered chalcopyrite mostly as irregular bands up to 1/2" wide. No sphalerite. 31 - 62 Very sparse chalcopyrite and sphalerite as widely scattered fins irregular stringers. 62 - 72 Increasing pyrite, patches of sphalerite and sparse small blebs of chalcopyrite. 72 - 82 Probably 5% pyrite. very sparse sphalerite, no chalcopyrite seen. 74.5 - 77 Sheared graphite and pink calcite.

82 - 96 Andesite - gray green, massive, no sulphides. Sharp contact at steep angle. ?

96 END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
11.0-21.0	Chert some chalco	997	10.0	3.98	2.70
21.0-31.0	" " "	998	10.0	1.73	0.46
62.0-72.0	" py. chalco and sphalerite	999	10.0	0.46	3.87
72.0-82.0	" pyrite and sphalerite	1000	10.0	0.30	0.56
	Average: 11.0 - 31.0		20.0	2.85	1.58

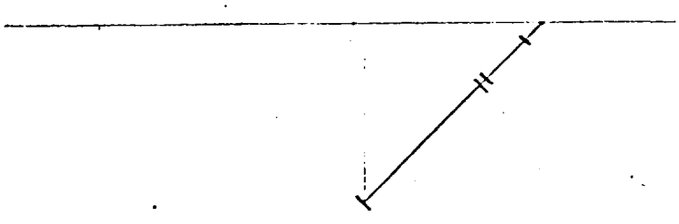


Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 36

Lat.	10975.00	Bearing	N 52 W	Started	Apr. 20/56
Dep.	9558.00	Dip	- Minus 45	Completed	Apr. 21/56
Elev.	9938.58			Depth.	140

0 - 13	Casing
13 - 33	Graphitic Quartzite - Dark gray, fine grain, badly broken. Scattered chalco and sphalerite as fine stringers and grains. 29.5 - irregular 1/2" stringer of sphalerite, galena cubes and chalcopyrite. Lost core 30.5 - 31.5.
33 - 78	Quartzite Breccia - Fine grained glassey, white to gray. 33 - 44 Graphitic patches, sphalerite, pyrite and sparse chalcopyrite. 44 - 76.5 - massive very little sulphide. 76.5 - 78 - Blebs of pyrite with a few specks of sphalerite and chalcopyrite.
78 - 94	Green sediment? Compact fine grain green chloritic, sprinkled with fine pyrite crystals. Could be intrusive dyke.
94 - 104	Andesite - Quartzite fragments - probably contact material. Green fine grained andesite with irregular quartzite patches, scattered pyrite.
104 - 111	Diorite - Gray green medium grain, fine white feldspar. Sharp contacts.
111 - 116	Quartzite - Blue, fine, glassey.
116 - 119	Andesite - Quartzite - Contact material as above 118 - 1/2" stringer with fine chalcopyrite.
119 - 140	Andesite - Generally dark green, sheared and broken. Sometimes resembles diorite over short lengths. No sulphides. 122 - 128 - Intense shearing, probably fault.
140	END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
13 - 20	very sparse chalco & sphalerite	401	7	1.02	5.46
20 - 30	increasing " " "	402	10	2.35	6.48
30 - 40	decreasing " " "	403	10	1.68	4.44
40 - 44	chalco almost nil	404	4	0.97	0.92
44 - 49	chalco nil	408	5	Tr	0.50
	Average: 13.0 - 44.0		31.0	1.65	4.87



Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 37

Lat.	10534.61	Bearing N 83 E	Started Apr. 23/56
Dep.	9592.47	Dip - minus 45	Completed Apr. 27/56
Elev.	10004.50		Depth 348

0 - 8	Casing
8 - 183	Chert Breccia - Blue to light gray thoroughly brecciated, scattered pyrite and pyrrhotite. 73 - 80 - Large blebs of yuggy pyrite. 123 - 125 - Graphitic banding at 60. 174 - 183 - Coarse blebs of pyrite.
183 - 226	Banded Graphitic Chert - Thin banding generally at 60. Black to gray, depending on amount of graphite. Scattered pyrite and pyrrhotite increasing down hole. 119 - 123 - Almost massive fine pyrite.
226 - 258	Chert Breccia - As above but with frequent gray argillite bands up to 1' wide. 255 - 2" stringer with brown sphalerite.
258 - 297	Chert Breccia - Cray to light gray. Sparse pyrite and pyrrhotite. 280 - 1/2" stringer with brown sphalerite.
297 - 304.5	Graphitic Chert Breccia - dark gray graphite, sphalerite, pyrrhotite and several small blebs of chalcopyrite.
304.5 - 309	Trap dyke - Fine grain, dark green, no sulphides. Blebs of chalco in up hole contact.
309 - 320	Graphitic chert breccia - as above. Frequent large blebs and irregular stringers of pyrite. No other sulphides.
320 - 348	Andesite - Pale gray green, medium grain, scattered fine quartz stringers. No sulphides. 320 - 330 - Badly crumbled and broken at least 4 feet lost.
348	END OF HOLE.

320-330

Samples:		No	Width	%Cu	%Zn
119.0-123.0	Chert massive pyrite	409	4.0	0.04	Tr
297.0-304.5	Graphitic chert breccia pyrrh., & zn.	410	7.5	0.36	2.17

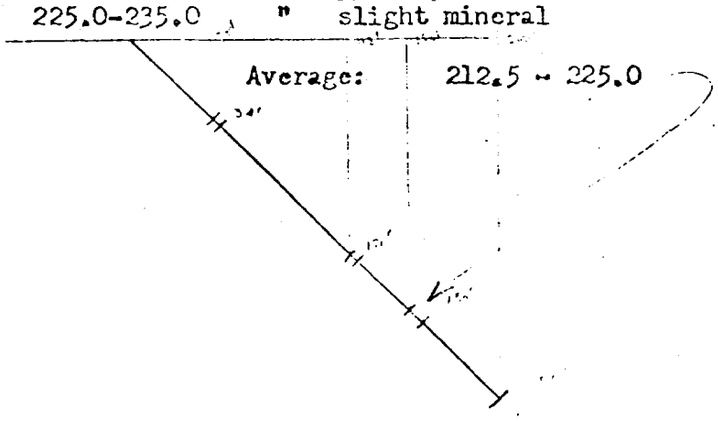
This hole geologically similar to No 52.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 38

Lat.	1819 North	Bearing	S 52 E	Started	Apr. 22/56
Dep.	275 West	Dip	-45	Completed	Apr. 26/56
Elev.	Plus 19			Depth	285

0 - 9	Casing
9 - 33	Chert - Blur to gray, hard and glassey all more or less brecciated, scattered pyrite and pyrrhotite.] Q
33 - 38	Trap dyke - Massive gray green, fine grain rather fresh, no sulphides, sharp contacts at 80.] Tr
38 - 128	Chert - as above. 38 - 43 possibly a little sphalerite. 64 - 67 numerous fine stringers of sphalerite with 2" of massive sphalerite and chalcopyrite at 65'. 80 - 81 fine stringers of brown sphalerite. 122 - 127 Intergrading chert and pale green argillite.] Q
128 - 137	Trap dyke - As above but contacts at about 30 to core.] Tr
137 - 140	Chert - as above] Q
140 - 170	Tuff - Pale buff to gray generally fairly soft but occassional silicious bands. Banding at 30 to core.] T
170 - 198	Chert - generally blue and glassey, scattered pyrite and fine stringers of sphalerite open fractures reported, much lost core. 170 - 175 considerable sphalerite. Lost core - 175 - 76, 179 - 80, 194 - 98.] Q
198 - 211	Chert - Blue to gray, compact glassey. Very sparse pyrite and sphalerite, 207 - 208 Sphalerite and several specks of chalcopyrite.] Q
211 - 212.5	Trap dyke - Gray green, fine grain, sharp contacts at 90.] Tr
212.5 - 225	Chert - Massive glassey, blue to gray green. Scattered pyrite, sphalerite and a little chalcopyrite. 212.5 - 220 sphalerite and chalcopyrite. 220 - 225 Mostly pyrite.] Q
225 - 263	Contact material - blue glassey chert, black graphite greenstones, interbedded and all considerably sheared. Pyrite and possibly a little chalcopyrite decreasing down hole. Much ground core because of alternating hard and soft. Lost core 242 - 248.] Q Gr
263 - 285	Andesite - Pale green, mild schisting at 30 to core. Varies from fine to coarse resembling diorite.] E
285	END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
38.0 - 43.0	Chert little sphalerite	411	5.0	-	Nil
63.0 - 68.0	" some chalco and zn.	412	5.0	0.50	2.85
170.0 - 175.0	" " sphalerite	413	5.0	-	1.37
212.5 - 220.0	Chert chalco and sphalerite	414	7.5	1.07	1.58
220.0-225.0	" pyrite, chalco, zn.	415	5.0	0.71	1.58
225.0-235.0	" slight mineral	416	10.0	0.07	-
	Average: 212.5 - 225.0		12.5	0.93	1.58



Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 39

Lat.	10639.01	Bearing	N 87 W	Started	Apr. 25/56
Dep.	9655.74	Dip	-45	Completed	Apr. 28/56
Elev.	10000.94			Depth	186

0 - 8	Casing
8 - 144	Chert Breccia - Gray, glassey, thoroughly brecciated. Sparse grains of pyrite, pyrrhotite. 78 - 1" Stringer with sphalerite. 119 - Large bleb of pyrrhotite and pyrite. 131 - 144 Graphitic patches or inclusions.
144 - 166	Andesite agglomerate and tuff - gray to buff, relatively soft often brecciated with graphitic stringers. Very badly sheared and broken. Lost core - 146 - 47, 149 - 50, 153 - 54, 156 - 57, 160 - 61, 162 - 64.
166 - 178	Chert Graphitic - Blue brecciated chert with black graphite. 170 - 176 A little chalcopyrite and sphalerite.
178 - 186	Andesite agglomerate - Gray to buff, fragmental no sulphides.
186	END OF HOLE.

Samples:	No	Width	%Cu	%Zn
170.0-176.0	417	6.0	0.41	3.41

Shunsby Mines Ltd. Sultan, Ontario Page 1 Hole No. 40

Lat.	N 1823	Bearing	N 52 W	Started	Apr. 27/56
Dep.	W 280	Dip	-45	Completed	Apr. 29/56
Elev.	Plus 19			Depth	117

0 - 4 Casing

4 - 87.6 Chert - Blue to gray, fine grain, glassey hard. Scattered pyrite, pyrrhotite 49 - 59 Sphalerite, pyrite and sparse chalcopyrite. 59 - 87 Increasing pyrite as irregular stringers. 64 small bleb of chalcopyrite. 76 - 77 Blebs of sphalerite.

87.6 - 89.5 Diorite - Fine grain, green, sharp contacts.

89.5 - 94 Chert - As above, scattered pyrite and off specks of sphalerite.

94 - 117 Diorite - Green with light gray feldspar, fine grained contact at 45°, becoming coarse within three feet. No sulphides.

117 END OF HOLE.

Samples:	No	Width	%Cu	%Zn
49.0 - 59.0	418	10.0	0.05	1.48

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 41

Lat.	10639.01	Bearing		Started	Apr. 29/56
Dep.	9655.74	Dip	-90	Completed	May 1/56
Elev.	10000.94			Depth	180

0 - 2	Casing
2 - 101	Chert Breccia - Light gray to blue, glassey, thoroughly brecciated. Sparse pyrite and pyrrhotite. 91 - 92 pyrite 50%.] QB
101 - 140	Chert - Light gray, fine grain, glassey occasional badding at 45. Minor brecciation. Scattered pyrite and pyrrhotite. Gradational contact with breccia above. 136 - 140 Scattered large blebs of pyrite.] Q
140 - 170	Graphitic chert - Blue to black graphitic with a few argillaceous bands, scattered pyrite. 156 - a few fine stringers of sphalerite. 165.5 - 166 Quartz carbonate stringer. 167 - 169 Sheared graphitic.]
170 - 180	Andesite tuff - Generally gray, faint banding at 45. Considerably sheared and broken, sharp contact at 90 to core. No sulphide except a little pyrite in contact.] T+f
180	END OF HOLE.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 42

Lat.	N. 1900	Bearing	S 85 E	Started	May 1/56
Dep.	W. 200	Dip	-45	Completed	May 2/56
Elev.	Plus 9			Depth	145

0 - 11 Casing

11 - 63.5 Chert - Blue to gray, hard, glassey, scattered pyrite and pyrrhotite. 42 and 47 - a few specks of sphalerite. 59 - 63.5 Mostly gray argillite with pyrite and pyrrhotite and sphalerite and a little chalcopyrite in down hole contact.

63.5 - 74 Quartzite - Possibly secondary quartz. Glassey white with scattered sphalerite and pyrite.

74 - 86 Andesite tuff - Gray to buff, rather irregular banding at 45, scattered pyrite.

86 - 145 Andesite - Fairly uniform grey green, medium grain, leucoxene flecking. Sharp contact at 45. Sparse pyrite. Becoming coarse resembling diorite down hole.

145 END OF HOLE.

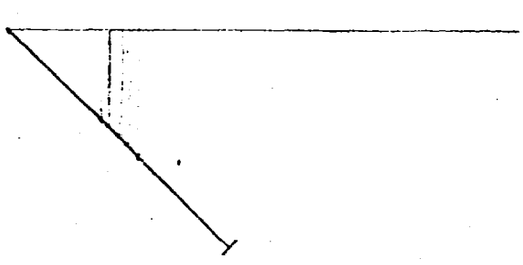
Samples:	No	Width	%Cu	%Zn
63.0 - 74.0	419	11	0.02	1.12

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 43

Lat.	10611.62	Bearing	S 17 E	Started	May 3/56
Dep.	9213.38	Dip	-45	Completed	May 5/56
Elev.	9955.93			Depth	172

0 - 3	Casing
3 - 97	Chert Breccia - Gray to blue, hard, glassey, scattered pyrite & Pyrrhotite and odd fine stringers of sphalerite. 40-58 Increasing pyrite scattered sphalerite very sparse chalcopyrite. 48 - 1" pyrite stringer with chalco in contacts. 53 - small bleb of chalco. 57-58 - Specks of chalcop. & sphalerite. 70-74.5 - Pyrite, sphalerite, very sparse cpy. 74.5-83 - Sulphides almost nil. 83 - 97 - Increasing pyrite with sphalerite and frequent fine stringers of chalcopyrite, chert mostly blue.
97 - 107	Diorite Dyke - massive, uniform, green, sharp contact at 45, a few fine quartz carbonate stringers. Several fine stringers of chalco, in first foot, no sulphides thereafter.
107 - 123	Blue Chert - Very hard and glassey, all somewhat brecciated, very sparse pyrite and pyrrhotite. A few specks of chalcopyrite and sphalerite in the contact.
123 - 141	Chert Breccia - Blue to gray thoroughly brecciated, numerous small blebs and stringers of pyrite increasing down hole.
141 - 151	Andesite - Dark green, medium grain becoming fine down hole. Sharp contact at 60 to core, possibly a diorite dyke.
151 - 172	Andesite Tuff - Gray to buff, very fine, vague banding at 30 to near parallel to core.
172	END OF HOLE.

Samples:	No	Width	%Cu	%Zn
70 - 74.5 Pyrite, sphalerite, very sparse cpy.	420	4.5	.81	.76
83 - 90	421	7	1.02	.30
90 - 98	422	8	.61	.35



Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 44

Lat.	1600 N	Bearing	N 83 E	Started	May 4/56
Dep.	215 W	Dip	-45	Completed	May 7/56
Elev.	- 6'			Depth	287

0 - 11	Casing	
11 - 70	Quartz Diorite - Generally green with irregular light grey feldspars up to ¼" dia. 37—38 - Quartz carbonate stringers. Lost core: 35 - 37 open fracture reported. Registine diorite - and feldspar porphyry intermixed in short sections // 2.0-5.0'	dio ?
70 - 75	Trap Dyke (?) - Fine grain, grey, fairly soft, irregular crude banding, possibly inclusions of diorite. Sharp contacts at 70 (or an inclusion in the diorite). andesite or quartz?	Trap Gr
75 - 102	Quartz Diorite - As above. Lost Core 96-97, 79 - 3" trap dyke as above. 94 - 102 Becoming finer grained. Registine diorite	dio
102 - 140	Andesite - Uniform, massive, gray green, fine grain, no sulphides. Sharp contact at 70. - some evidence of flow also slight warp, green splinters	Gr
140 - 156	Chert - Sharp contact at 45. 140 - 144 - Gray with irregular tuff bands at 45. Hard and silicified. 144 - 156 - Blue to dark gray glassey chert sparse pyrite and pyrrhotite.	Q
156 - 157.5	Acid Dyke - Light gray, fine grain, hard, contacts at 70. - hornblende-biotite	? dyke
157.5 - 190	Chert - Gray to blue, glassey, scattered pyrite and pyrrhotite. 163 - 168 Irregular bands of green argillite. Lost Core - 168-69. 188 - A few specks of sphalerite.	Q (+A)
190 - 194	Acid Dyke - As above. - hornblende-biotite - qtz in minute fractures.	dyke
194 - 208	Chert - Blue to gray, glassey. 194-198 - Large blebs of pyrite. 198-208 - Pyrite, sphalerite and a little chalcopyrite and galena.	Q
208 - 217	Andesite - Dark green, becoming increasingly sheared down hole. Lost Core: 210-11. - feldspar porphyry	Gr
217 - 230	Graphite Shear - Mainly graphite and cherty material badly sheared. About 50% of core lost, said to be soft graphite. Water lost, no sludge. - argillite	Q (+A)
230 - 269	Quartz Diorite - Generally gray, vague irregular pale gray feldspars showing weak foliation at about 60 to core. 230-242 somewhat sheared and broken. Lost Core: 265-66. Fault? - Registine dyke.	dio
269 - 287	Gray Lava - Uniform, light gray, fine grain, relatively soft, no sulphides. Contact at 30. andesite - similar to 102 - 140 but more basic and no evidence of flow.	Gr
287	END OF HOLE.	

Samples:

		No.	Width	%Cu	%Zn
198 - 208	Chert, pyrite sparse, chalco, sphalerite & galena	423	10.0	0.35	0.61

Re-logged - W. Hubbard
Jan 26/69 ✓

✓

'Shunsby Mines Ltd. Sultan, Ont Page 1 Hole No. 45

Lat.	10628.30	Bearing	S 17E	Started	May 6/56
Dep.	9053.20	Dip	-45	Completed	May 10/56
Elev.	9956.22			Depth	190

0 - 8 Casing

8 - 34 Contact Material - Mainly green, fine grained andesite, with frequent irregular cherty bands. Scattered pyrite mainly in the cherty bands. 29 - 34 Gray, fine grain.

34 - 190 Diorite - Green, generally medium grain, but occasional fine grained bands a few feet wide, no sulphides. 94 - 111 Fine grained with rusty red silicious patches, up to 1' wide.

190 END OF HOLE.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 46

Lat.	N 1603	Bearing	S 34 E	Started	May 9/56
Dep.	W 650	Dip	-69	Completed	May 11/56
Elev.				Depth	209

0 - 8	Casing	
8 - 21	Lamprophyre dyke - Gray, fine grained contact, becoming medium grained. Granular texture, fine biotite flakes.	] Lamp
21 - 25	Blue chert - Fine grain glassey, scattered pyrite,	] & MC
25 - 30	Lamprophyre dyke - as above	] lamp
30 - 101	Chert breccia - dark blue in contact becoming light gray within 5 feet, scattered pyrite and pyrrhotite. 85 - 101 Numerous large blebs of pyrite and pyrrhotite. Short section on bottom of Intermed. basic intrusive as below	] QB
101 - 112	Argillite - chert - gray green argillite with fragments of chert very sparse pyrite. Possibly intermediate tuffaceous intrusive chert fragments partially digested.	] Q
112 - 139	Chert breccia - As above. Numerous large blebs and stringers of pyrite and pyrrhotite. 133 - Bleb of brown sphalerite.	] QB
139 - 142	Graphitic chert - banded graphite at 45. Scattered pyrite. Lost core 142 - 143.	]
142 - 148	Chert breccia - as above, scattered pyrite.	] QB
148 - 209	~~Andesite~~ tuff - Light gray to buff, relatively soft, banding somewhat irregular but generally at 45 to core. No sulphides..	] FV
209	END OF HOLE	

Re-Log - Jan 26.1969 - quartzite, ~~vermiculite~~, schistose elongated mags prominent, schistosity 40° to core.
W.H.

Short section on bottom of Intermed. basic intrusive as below.

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Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 47

Lat. 10569.07 Bearing S 47 E Started May 12/56
Dep. 9316.63 Dip -45 Completed May 15/56
Elev. 9944.17 Depth 199

0 - 11 Casing

11 - 21 Chert - generally light gray, badly shattered with rusty fractures, scattered pyrite.

21 - 28 Chert - Light gray with dark graphitic patches, sparse chalcopyrite and sphalerite, very badly broken

28 - 34 Graphitic shear - Chert, black graphite, core sheared and crumbled, much grinding. Lost core 29 - 31, 32 - 34.

34 - 42 Chert - Gray to dark gray, somewhat brecciated 35.5 - 37.5. Fine chalcopyrite and sphalerite. no sample.

42 - 49 Sulphide band - near massive very fine pyrite banding at 45. no sample.

49 - 70 Chert breccia - Gray to dark gray, generally brecciated, scattered pyrite, chalcopyrite, sphalerite. 49 - 53 Sparse chalcopyrite, sphalerite. 53 - 60 Scattered large blebs of chalcopyrite, sphalerite and pyrite. 60 - 70 sparse chalcopyrite, sphalerite

70 - 103 Chert - Gray with dark graphitic patches, somewhat brecciated sparse pyrite and very sparse sphalerite and chalcopyrite. Becoming uniform light gray down hole. Lost core 99 - 101

103 - 134 Chert Breccia - Becoming finely brecciated. Generally gray with scattered blebs and irregular stringers of pyrite. 130 - large bleb of pyrite.

134 - 140 Graphitic chert - Sheared and brecciated graphite with chert. Pyrite and sparse sphalerite after 138.

140 - 156 Chert Breccia - Finely brecciated blue chert, fine graphite stringers and a few white calcite stringers up to 1/2" wide, scattered large blebs of sphalerite, pyrite and a little chalcopyrite. 140 - 145 mostly sphalerite. 145 - 150 Large blebs of chalcopyrite & sphalerite. 150 - 156 Sparse sphalerite.

156 - 199 Sheared contact - crumbled gray tuff, chert, graphite, only about ten feet of core recovered. Apparently the hole is following the sheared contact. 156 - 157 Fairly solid gray tuff. 157 - 168 Only 1 foot of shattered material recovered. 168 - 173 Fairly solid blue chert and graphite, graphite calcite stringers, a few specks of sphalerite. 173 - 195 Mostly ground core. 195 - 196 Gray andesite tuff. 196 - 199 Lost core. Hole caving.

199 END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
21 - 28	Chert broken, sparse chalco and zinc	424	7.0	0.92	1.17
49 - 53	Chert breccia sparse " and sphalerite	425	4.0	0.15	1.27
53 - 60	" " scattered blebs of chalco & sphaler.	426	7.0	1.99	4.79
60 - 70	" " sparse chalco & sphalerite	427	10.0	0.92	1.94
49 - 70	Average:		21.0	1.13	2.76
140 - 145	Chert breccia mostly sphalerite	432	5.0	0.30	4.69
145 - 150	" " large blebs of chalco & sphalerite	433	5.0	0.92	4.94
150 - 156	" " sparse chalco & sphalerite	434	6.0	0.15	1.78
140 - 156	Average		16.0	0.44	3.67

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 48

Lat.	10907.18	Bearing	S 65 E	Started	May 13/56
Dep.	9526.66	Dip	-45	Completed	May 16/56
Elev.	9941.27			Depth	128

0 - 5	Casing	
5 - 9	Graywacke - Finely granular, gray, hard no sulphides.	SW
9 - 46	Graphitic chert - Sheared, banded graphite with gray chert. Banding 70 - 80 to core, sparse pyrite. 15.5 - 18 A few specks of chalcopyrite, core badly broken. 29 - 37 Sparse specks and fine stringers of sphalerite and chalcopyrite. 39 - 39.3 Fine chalcopyrite.	Q
46 - 69	Banded chert - gray to dark gray, thin banding at 70 - 80 to core. Very sparse pyrite.	Q
69 - 86	Chert breccia - Blue to gray, shattered, very sparse sulphides. 77 - 81 Sparse chalcopyrite and sphalerite. Lost core 69.5 - 70, 71 - 72, 75 - 76.	Qt
86 - 103	Blue chert - With frequent narrow bands or beds of gray lava. Large blebs and stringers of pyrite also sparse chalcopyrite and sphalerite. 86 - 92 Mostly gray lava with bleb of chalcopyrite in chert stringers at 89. Lost core 90 - 92. 92 - 99 Sparse chalcopyrite and sphalerite. 99 - 103 Sparse sphalerite	Q
103 - 111	Graphite - Black silicified graphite, banding at 70. Scattered pyrite.	
111 - 128	Gray lava - Light gray, fine grained, relatively soft. No sulphides. Sharp contact at 90 to core.	GL
128	END OF HOLE.	

	Samples:	No	Width	%Cu	%Zn
29 - 37	Graphitic chert specks & strs of chalco & sphal.	428	8.0	0.33	3.11
77 - 81	Chert breccia sparse chalco & sphalerite	429	4.0	0.10	0.66
92 - 99	Chert sparse chalco & sphalerite	430	7.0	1.07	0.76
99 - 108	" " " "	431	9.0	0.35	0.71

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 49

Lat. N 548 Bearing N 38 E Started May 18/56
Dep. E 370 Dip -45 Completed May 26/56
Elev. ≈ 9965.0 Depth 642

0 - 17 Casing

17 - 123 Andesite Agglomerate - Pale green to gray, generally fine grained with patches of rounded fragments up to 1/2" diameter. Varies from fairly soft to hard. Probably interbedded Tuff. 92 - 123 Scattered irregular blue chert bands up to

123 - 200 Banded Graphitic Chert - Varies from blue to black graphitic chert, banding 60 to 45. Frequently brecciated. Sparse pyrite. 129 - 130 Irregular white calcite stringers. 170 - 175 Banding contorted 60 to 20 to core. 199 - 200 Pyrite 25% with banded graphite.

200 - 211 Graphitic shear - Soft graphite reported. 8 feet of core lost. Fragments of sheared and crumbled graphite, with calcite scattered pyrite. Water also lost no sludge.

211 - 245 Gray Lava - Uniform light gray, fine to medium grain, sometimes vaguely porphyritic. Becoming gray green andesitic down hole and finally grading into medium grained diorite.

245 - 378 Diorite - Generally dark gray green, massive. A few fine quartz stringers. 245 - 270 Varies from medium grained to fine grained similar to andesite. 270 - 315 Medium grained, compact, massive. 315 - 378 Granular appearance, fine light gray feldspar.

378 - 407 Gray tuff - Fine grained gray, irregular banding 45 to 60 to core. Somewhat sheared and broken. Irregular fine quartz carbonate stringers. 378 - 379 Probably fine grained contact. 379 - 380 Crumbled graphite and greenstone. 6" lost core. 380 - 381 Gouge seam - graphite, greenstone calcite. 404 - 407 Becoming granular - gradational contact.

407 - 449 Diorite - Dark green, medium grain, massive, scattered fine quartz stringers.

449 - 476 Andesite? Pale green to gray, fine to medium grain, contact at 45 to core.

476 - 480 Acid dyke - Pale gray, fine grain, hard, sharp contacts at 90 to core.

480 - 569 Andesite - Pale green, texture varies from fine to medium, with occasional vague banding. 527 - 529, 531 - 532 Fine grained dykes.

569 - 608 Diorite - Green, medium grain, peppered with fine white leucoxene alteration to 595.

608 - 613 Acid dyke - As above. Probably quartz porphyry.

613 - 642 Diorite - Green, granular medium grain, 637 - 642 somewhat fine grained.

642 END OF HOLE.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 50

Lat.	11187.08	Bearing	N 52 W	Started	May 20/56.
Dep.	9780.05	Dip	-45	Completed	May 22/56
Elev.	9930.94			Depth	152

0 - 5		Casing
5 - 37	d	Diorite - Dark green, fairly fine but distinct crystals, becoming fine down hole. 33 - 37 - Fine grain.
37 - 44	dyke	Hornblend Syenite dyke - medium grain, sharp fine grain contact at 35. Pink feldspar, black hornblende, scattered pyrite.
44 - 49	d	Diorite - Dark green, finely granular, probably greenstone inclusions.
49 - 152		Gray tuff - Green in contact, becoming gray fine grained within 3'. Sparse pyrite. 49 - 62 No banding core fairly solid. 62 - 152 Crude irregular banding 45 - 60 to core. Core becoming sheared and broken. 130 Speck of chalcopyrite.
152		END OF HOLE.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 51

Lat.	882 N	Bearing	vertical	Started	May 29/56
Dep.	330 W	Dip	90	Completed	June 9/56
Elev.	-19			Depth	1006

0 - 3		Casing
3 - 34		Gray agglomerate, relatively soft. Scattered round fragments or variolites up to ½" diameter. Also irregular banding. Scattered pyrite.
34 - 97	B C	Graphitic chert, dark gray to black, hard siliceous banding at 30 & 45 degrees to core. Sharp contact at 45. ?
97 - 135	B C	Chert generally blue to gray with graphitic sections up to 6" wide. Banding varies from 60 to 30 degrees to core. Brecciated sections up to 2 or 3 ft. wide. Scattered pyrite and chalco mainly in brecciated sections. 97 - 103 Brecciated, Scattered large blebs of chalco. 103 - 115 sparse sphalerite and chalco. 115 - 129.5 scattered small blebs of chalco and sphalerite. 119 - 119.5 - 50% chalco. 129.5 - 135 Large blebs of chalco & a little sphalerite.
135 - 146	GL	Gray lava - Uniform gray, fine grain in contact, becoming vaguely porphyritic down hole. 138 - 39 Sheared with graphite on slips a few specks of chalcopyrite. 138.2 - 1" stringer of quartz and pink calcite.
146 - 225	T	Feldspar porphyry - (sometimes logged as quartz diorite) vague irregular pale feldspar phenocrysts in darker groundmass. Scattered pyrite. 177 - 76 Banding at 45. Phenocrysts gradually disappear down hole. Grading into andesite.
225 - 255	dio	Andesite - Gray green, fine grain, scattered, leucoxene alteration. 227 - 227.5 - Blue quartz stringer near parallel to core. A few specks of chalcopyrite and sphalerite. Gradually becoming coarser grained grading into diorite without definite contact.
255 - 314		Diorite - Uniform dark green, massive, varies from medium to fairly coarse grain. Scattered fine grained bands 1" to 6" wide.
314 - 317		Trap dyke - Reddish gray, fine grain, hard, sharp contacts.
317 - 387		Diorite - as above, sometimes becoming fine grained over 3 or 4 feet finally grading into andesite.
387 - 401		Andesite - Green, fine grain as above.
401 - 417		Gray Lava - Gradational contact, uniform pale gray, fine grain, scattered quartz stringers with pyrite.
417 - 418.5		Graphitic shearing - sheared graphite at 30°. Calcite stringers, cherty blue quartz. Scattered pyrite. A few fine specks of galena and chalcopyrite.
418.5 - 485		Gray lava - Uniform pale gray, fine grain, scattered fine quartz stringers. 428 - 29 porphyritic band. Gradually taking on a greenish tinge after 475.
485 - 536	And	Andesite - Generally pale gray green, fine grain. Occasional bands with pale feldspar phenocrysts. 502 - 511 Mostly feldspar porphyry.
536 - 540		Gray dyke - Light gray, fine grain, hard, silicious, sharp contacts at 45.
540 - 567		Andesite - Gray green, fine grain, scattered quartz stringers up to 1/2" wide.
567 - 583	Dio?	Diorite - sharp irregular contact. Fairly fine grain in contact becoming medium in centre. Dark green to 581. 581 - 83 - Fine grain, gray green, fine quartz carbonate stringers.
583 - 594		Quartz Feldspar Porphyry - dark gray matrix with abundant white phenocrysts of quartz and feldspar about ¼" diam. Sharp contacts almost at 90. No quenching at contacts.

594 - 604	Diorite - as above to 600, then becomes finer grained & gray green gradationly.
604 - 778	Diorite - Dark green, uniform medium grain. Contact gradational with diorite above. 635 -53 - Becoming gray green & rather fine grain, no definite contact. 671-673 - Fine grained trap dyke contacts at 70. 675 -675.5 Fine grained trap dyke contacts at 45. 703.5-705 - White quartz, contacts at 30. 708-708.5 - Blue quartz, fine grain, altered appearance for 3' on either side. 750 - Gradually becoming finer grained and grading into andesite about 778.
778 - 823	Andesite - Uniform dark green, fine grain, scattered quartz stringers up to 1/4" wide.
823 - 840	Diorite - dark green, compact, fairly coarse grain. Scattered quartz stringers . Sharp contact at 60 to axis of core approx.
840 - 897	Diorite - dark green, somewhat finer grained granular texture, gradational with diorite above. 892 - 94 - Becoming dark gray.
897 - 935	Diorite - Generally dark green, grading from medium to fairly fine over widths of 3 or 4 feet. Scattered quartz stringers.
935 - 987	Diorite - Uniform dark green, rather fine granular texture. Widely scattered quartz stringers less than 1/4" wide. Sharp contact at 30 to core. 979 - 987 Becoming coarser grained.
987 - 1006	Diorite - Dark green, fine grained sharp contact at 85 to core becoming medium grained by 997.
1006	END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
61.0 - 69.0	Graphitic chert py., some chalco & zn.	435	8.0	1.37	6.27
69.0 - 83.0	ditto	436	14.0	0.30	0.56
83.0 - 91.0	ditto	437	8.0	0.51	0.14
91.0 - 97.0	ditto strs. of chalco & sphalerite	438	6.0	2.90	2.14
97.0 - 103.0	Chert py. chalco slight sphalerite	439	6.0	3.62	0.73
103.0-115.0	ditto	440	12.0	0.66	0.56
115.0- 121.0	ditto	441	6.0	3.11	0.33
121.0- 129.0	ditto	442	8.0	1.73	0.45
129.0- 135.0	ditto	443	6.0	3.41	0.91
135.0- 140.0	Grey lava slight py & chalco	444	5.0	0.25	0.10
	Averages: 91.0 - 135.0		44.0	2.27	0.79
	61.0 - 135.0		74.0	1.60	1.27

Andesite & Diorite
778 897
823 935
Difference -

good values!

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 52

Lat.	10513.52	Bearing		Started	Jan. 12/56
Dep.	9481.81	Dip - Vertical		Completed	June 16/56
Elev.	9980.49			Depth	291

0 - 12 Casing

12.-51 Chert breccia - Blue to gray considerably brecciated scattered pyrite and pyrrhotite. 28 - 29 Graphite with pyrite, banding at 45 to core. 26' - Passed through hole #29. QB

51 - 131 Chert breccia - Thoroughly brecciated, white to gray rounded to angular fragments up to 1" diam, very sparse pyrite and pyrrhotite. QB

131 - 162 Variolitic greenstone - Probably flow top. Generally pale gray, ragged appearance, frequent patches of rounded variolites from 1/4" to 1/2" diam. 131 - 145 Numerous cherty stringers and brecciated inclusions. 162 - A few specks of chalcopyrite in a graphitic fragment Sr

GSC Fault?

162 - 169 Shearing - Soft gouge and graphite, crumbled core. Lost core - 164 - 169.

169 - 207 Variolitic greenstone - as above. Sr

207 - 217.5 Graphitic chert - Black silicified graphite, banding at 60 to core, sparse sphalerite and very sparse chalcopyrite as fine stringers. 213 - 214 Numerous fine stringers of chalcopyrite and sphalerite. 216.5 - 217.5 Approx. 25% chalcopyrite and sphalerite. Q

Roc. Gt.

217.5 - 235 Argillite - chert - Blue brecciated chert interbedded with gray crudely banded argillite. Sulphides mostly in the chert bands. 217.5 - 228 Very sparse pyrite. 228 - 230 Brecciated chert large blebs of chalcopyrite. 230 - 234 Gray argillite very sparse chalcopyrite. 234 - 235 Chert, blebs of chalcopyrite. C+A

235 - 263 Andesite? - Gray to dark gray, fine grain leucoxene alteration, considerably sheared and broken, scattered pyrite decreasing down hole. Lost core 244 -245. FAULT? (VARIOLITIC SECTION HERE) VSr + And

Fault zone at diff. angle

263 - 291 Feldspar porphyry - Gray massive, irregular light gray feldspar phenocrysts showing foliation at 45 to core for first 10 feet. Contact broken but appears sharp and fine grained over a few inches. T

291 END OF HOLE. d

	Samples:	No	Width	%Cu	%Zn
207.0 - 213.0	Graphitic chert py. slight chalco & zn	445	6.0	0.05	3.57
213.0 - 218.0	Ditto	446	5.0	1.75	5.10
218.0 - 228.0	Argillite chert slight mineral	447	10.0	0.10	0.20
228.0 - 235.0	ditto	448	7.0	1.55	nil
	Average: 207.0 - 235.0		28.0	0.75	1.75

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 53

Lat. 10407.86 Bearing Started June 19/56
Dep. 9463.44 Dip- vertical Completed June 22/56
Elev. 10003.67 Depth 379

0 - 6 Casing

6 - 8 Feldspar porphyry? Dark gray with a few feldspar phenocrysts, broken and rusty fractures.

9 - 60 Cherty Sediments - Interbedded gray to black graphitic argillite with blue chert. Chert often as rounded fragments. Banding variable from 70 to 45 to core. Scattered pyrite and pyrrhotite. 33 - 45 Mostly black banded graphite with a few cherty fragments or irregular stringers. 45 - 58 Mostly gray argillite. 58.5 - 60 Fine pyrite and pyrrhotite 50%.

60 - 74 Chert Breccia - Mainly blue to gray brecciated chert. Narrow graphitic bands with banding at 60 to core. Scattered pyrite and pyrrhotite. 73 - 74 Sphalerite stringers and very sparse chalcopyrite.

74 - 102 Quartz Feldspar and quartz. Sharp contact at 45 finer grained and with pyrite over 1 foot. Lost core 99 - 100.

102 - 263 Chert Breccia - Light to dark gray, thoroughly brecciated fragments up to 1" diameter. Scattered pyrite and pyrrhotite. 128 - 134 - 25% pyrrhotite blebs. 133 - 1½" stringer of pyrrhotite. 159 - 159.5 A little fine sphalerite. 183 - 183.5 A little fine sphalerite. 225 - 250 White almost transparent glassey fragments. 250 - 260 Increasing pyrite becoming blue. 260 - 263 Increasing dark green impurities, chert as rounded pebbles.

263 - 286 Argillite - Gray, green and buff, generally sheared and fractures. Irregular banding 30 - 45 to core. Very sparse sulphides. Lost core 264 - 267. 282.5 - 286 Fine sphalerite, pyrite and chalcopyrite as fine stringers. 286 - Gouge and broken core.

286 - 322 Feldspar Porphyry - Gray, generally with irregular feldspar phenocrysts usually showing foliation at 45 to core. Mild shearing and schisting no sulphides. 317 - 327 Badly sheared and broken, fine grained gray

322 - 332 Chert breccia - Blue to light gray, graphitic patches sheared and broken in contacts. Pyrite, sparse sphalerite and very sparse chalcopyrite as fine stringers. 324 - 25 Dark Gray, fine grain. probably a dyke. Lost core 323 - 323.5, 324.5 - 325.

332 - 363 Diorite - Variable light gray green to dark green, medium to fine grain over widths two or three feet.

363 - 379 Diorite - Compact, dark green, medium grain. Fine grained contact over 6" at 60 to core. 366 - A few specks of chalcopyrite with fine quarts carbonate stringer.

379 END OF HOLE.

Samples:		No	Width	%Cu	%Zn
281.0 - 286.0	Argillite fine py. chalco & sphalerite	449	5.0	1.10	4.74
322.0 - 332.0	Chert breccia py. sparse chalco & sphelerite	450	10.0	0.15	0.89

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 54

Lat. 10261.54 Bearing Started June 25/56
Dep. 9295.74 Dip - Vertical Completed June 28/56
Elev. 9983.45 Depth 246

0 - 6	Casing
6 - 20	Banded sediments - Thin bedded gray argillite, black graphite and chert, banding 60 to 45 to core scattered pyrite.
20 - 82	Argillite - Thin beds, gray to black graphitic, a few chert bands up 1" wide, scattered pyrite. 79 - 82 Banding at 30 to core. 81 - 82 Calcite stringers a few specks of sphalerite.
82 - 83	Gray dyke - massive gray, finely granular. QTZ-FELS PORPHYRY (WB)
83 - 86	Banded graphitic argillite.
86 - 105	Gray dyke - massive, light gray, finely granular.
105 - 108	Chert - Glassey blue to gray, brecciated, scattered pyrite.
108 - 133	Contact material - dark green to gray, thin irregular banding, cherty fragments to 117'. Considerable pyrite as grains and stringers. 127 - One bleb of chalcopyrite.
133 - 166	Quartz diorite - Pale gray green frequently resembling feldspar porphyry generally medium grain, irregular white feldspar, fine grained contact at 60 to core. Becoming dioritic down hole.
166 - 192	Quartz Feldspar Porphyry - Light gray, speckled by well formed phenocrysts of both quartz and feldspar. Sharp contact at 60.
192 - 246	Diorite - Green to dark green, generally medium grain but frequently becoming fine over a few inches, scattered quartz stringers. MORE LIKE FELS-AND. PORPHYRY (WB)
246	END OF HOLE.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 55

Lat. 10298.24 Bearing Started July 2/56
Dep. 9433.15 Dip - Vertical Completed July 5/56
Elev. 10003.02 Depth 306

0 - 20 Casing

20 - 25 Gray dyke - Massive light gray finely granular becoming finer down hole at contact.

25 - 73 Graphitic Argillite - thin bedding gray to black graphitic scattered pyrite and pyrrhotite. Bedding 50 - 70 to core. 55 - 57 - Possibly a little sphalerite crenulated bedding. 69 - 73 Becoming light gray siliceous with blue chert fragments.

73 - 175 Chert Breccia - Generally blue to gray, considerably brecciated, bedding 45 - 60. Pyrite, pyrrhotite mainly as bands parallel to bedding, probably 15% sulphides. 83 - 84 Possibly a few grains of chalcopyrite. 81 - 83 Contorted bedding near parallel to core. 86 - 175 Chert Breccia - Light gray, thoroughly brecciated fragments up to 1" diam. Very sparse pyrite and pyrrhotite. 102.5 - 103 Coarse pyrite and pyrrhotite. 105 - 107 Blebs of pyrite and pyrrhotite and a few specks of sphalerite. 170 - 175 Becoming dark blue.

175 - 202 Quartz Feldspar porphyry - Sharp contact at 30. Light gray numerous phenocrysts.

202 - 247.5 Chert - glossey blue to light gray generally somewhat brecciated. 202 - 204 Graphitic banded pyrite and pyrrhotite at 60 to core. 204 - 217 Scattered pyrite and pyrrhotite. 217 - 232 Pyrite, pyrrhotite and sparse stringers of sphalerite. 232 - 238 Sparse sphalerite and a few small blebs of chalcopyrite. 238 - 238.5 Dark green fine grain probably a trap dyke. 238.5 - 247.5 Very sparse sulphides, a few widely scattered specks of sphalerite and chalcopyrite.

247.5 - 268 Argillite - dark green to gray green, bedding 60 to 45 to core, occasional rounded cherty pebbles, scattered pyrite. 250 A few specks of sphalerite. 253 - 253.8 Sphalerite and a little chalcosud galena. 265 A few specks of sphalerite.

268 - 285 Feldspar Porphyry - Light gray, fine grain for first five feet then becoming granular with vague feldspar phenocrysts. Sharp contact at 45, becoming increasingly dioritic down hole.

285 - 306 Diorite - Gradational contact, dark green, compact medium grain.

DEFINITE PORPHYRY (WN)

306 END OF HOLE.

Samples:		No.	Width	%Cu	%Zn
217 - 224	Chert mostly py. and pyrrh.	451	7.0	0.10	0.51
224 - 232	ditto	452	8.0	0.10	0.09
232 - 238	ditto	453	6.0	0.20	0.51

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 56

Let. 10148.06 Bearing Started July 11/56
Dep. 9803.52 Dip - Vertical Completed July 17/56
Elev. 10019.88 Depth 574

0 - 4	Casing	
4 - 97	Chert Breccia - Dark to light gray fragments up to 1" diam. often with rounded edges. Siliceous matrix, scattered pyrite and pyrrhotite. 14.8-16 Fine pyrrhotite and pyrite 50%. 72 - 72.5 Large blebs of pyrrhotite with a little pyrite. 73 - 80 Only minor brecciation. 85 - 97 Increasing pyrite and pyrrhotite in blebs and irregular stringers.	C
97 - 101	Graphitic Chert - Black, thin banding at 70 to core. Scattered pyrite as thin bands and cubic crystals. 100.5 - 101 Stringers of brown sphalerite.	
101 - 104	Chert - Uniform gray, banding at 30 to core, scattered pyrite.	
104 - 111	Gray dyke - Uniform light gray fine grain, contact sharp but irregular.	dyke
111 - 122	Banded Sediments - Interbedded gray to greenish argillite, black graphitic chert, and a few narrow blue chert bands. Banding at 70 to 80 to core. Very sparse pyrite.	C+A
122 - 180	Chert Breccia - Generally gray brecciated chert with siliceous matrix but with occassional banded graphitic chert up to 3' wide. Banding at 70 to core. 122 - 128 - Blebs of pyrite. 128 - 180 Very sparse pyrite. 156 - 180 A few gray argillaceous bands up to 1' wide.	C+A
180 - 237	Chert Breccia - Massive, light gray to white brecciated fragments with gray siliceous matrix. Sulphides practically nil. 186.5 - 187 A few specks of sphalerite and chalco. 217.5 - 218 Banded pyrite and pyrrhotite. 225 - 237 Numerous blebs and bands of pyrite and pyrrhotite. 235 - 237 Dark gray discolouration. 236 Specks of sphalerite.	C
237 - 242	Trap dyke - Dark gray, fine grain, sharp contact at 45 to core.	
242 - 259	Chert Breccia - As above but generally more pyrite. 252 - Specks of chalcopyrite with pyrrhotite.	C
259 - 315.5	Graphitic Chert - Chert with frequent dark graphitic banding at 60 to 45 to core. Chert usually brecciated with dark argillaceous matrix. Scattered sulphides, mostly pyrite and pyrrhotite. 263 - 270 - Scattered sphalerite with very sparse chalcopyrite. 270 - 281 - Very sparse sphalerite. 281 - 287 - Small blebs of chalcopyrite with sphalerite. 287 - 305 - Pyrite with sparse sphalerite and very very sparse chalcopyrite. 305 - 311.5 - Slight increase in sphalerite. 311.5 - 315.5 - Scattered small blebs of sphalerite with a little chalcopyrite.	C
315.5 - 343	Variolitic Greenstone - Pale gray green to buff, frequent bunches of rounded to oval spots up to ¼" diameter.	
343 - 365	Diorite - Gray green, medium grain, sharp up-hole contact at 30 to core. 362 - 362.5 - Variolitic inclusion. 362.5 - 365 - A few small gray phenocrysts.	
365 - 401	Variolitic lava - as above. 387 - 388.5 Ragged brecciated appearance. 388.5-390 - Dark graphitic banding 45 - 60 to core, probably a tuff bed. 399 - 400 Lost core.	
401 - 423	Quartz Feldspar Porphyry - Gray numerous phenocrysts of quartz and feldspar up to ¼" diam. contacts about 45.	
423 - 477	Variolitic Greenstone - as above.	

477 - 501 Cherty sediments - Gray to dark green argillite on tuff with sparse bands of gray to dark gray chert. Considerable pyrite and pyrrhotite. 477 - 479 - Several small specks of chalco and sphalerite. 479.5 - 490.5 - Dark green 25% fine banded pyrite sparse chalco and sphalerite. 485 - 86 Irregular bands of fine galena. 490.5 - 501 - Sparse pyrite and pyrrhotite. 498 - A few specks of chalcopyrite. 498 - 501 - Increasing fine pyrite.

501 - 523 Chert - Blue to gray, hard and glassy, slightly brecciated, a few argillaceous bands up to 3" wide. Sparse pyrite and a few widely scattered fine sphalerite stringers.

523 - 535 Contact Material - Gray green, fine grain with inclusions on bands of chert graphite and argillite, scattered pyrite. 530.5 - 532 - Quartz carbonate stringer with 6" graphite and pyrtie in contact. Lost core 532-33.

535 - 568 Feldspar Porphyry - Gray, vague phenocrysts, fairly fine in contact becoming medium within 5'.

568 - 574 Diorite - Gradational contact, dark green a few large pale green feldspar spots.

574 END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
281.0 - 287.0	Graphitic chert py. pyrrh. zn., chalco	454	6.0	0.65	1.63
310.5 - 315.5	ditto	455	5.0	Tr	2.14
477.0 - 481.0	Chert some chalco & sphalerite	456	4.0	0.60	1.02
481.0 - 491.0	ditto	457	10.0	0.55	1.80
	Average: 477.0 - 491.0		14.0	0.56	1.58

Shumsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 57

Lat. 185 S Bearing Started July 19/56
Dep. 140 E Dip - Vertical Completed July 27/56
Elev. Plus 65 Depth 538

0 - 11	Casing. Chert - Blue gray somewhat brecciated bedding 70 to vertical.
11 - 39	Sparse stringers of sphalerite and odd grains of chalco increasing slightly down hole. 39 - 41 Blebs and stringers of sphalerite and sparse chalcopyrite. Lost core 18-19, 23-24. Caving at 24' hole cemented.
41 - 58	Argillite - Mainly green to gray argillite often with graphitic bands, occassional fragments and bands of chert up to 1" wide. Usually sparse fine stringers of sphalerite in the chert, pyrite and very sparse chalcopyrite.
59 - 63	Gray dyke - dark gray, becoming medium grained in centre fine contacts at 70 to core.
63 - 89	Argillite as above - Sparse sphalerite odd speck of chalcopyrite.
89 - 115 "ORE"	Cherty Sediments - 75% blue chert with graphetic and argillaceous bands up to 4" wide. Bedding 70 to 80 to core. 89 - 92.5 Sparse sphalerite. 92.5 - 94.5 Sphalerite 25% with a few large blebs of chalco. 94.5 - 105 Very sparse sphalerite. 105 - 112 Brecciated graphitic matrix, considerable sphalerite 106 - 107 - Two blebs of chalco. 112 - 113 Basic dyke, no sulphides. 113 - 115 Brecciated chert, numerous blebs of sphalerite.
115 - 133	Peridotite - dark gray, basic, fairly fine grain. 115 - 134 no sulphides. 134-138 Spots of pyrite and sphalerite.
138 - 171 "ORE"	Chert Breccia - Blue to gray brecciated chert with argillaceous to graphitic matrix. 138 - 153 Numerous blebs and stringers of sphalerite. 153 - 161 Pyrite with very sparse sphalerite. 161 - 171 Increasing sphalerite and a little chalcopyrite.
171 - 246	Diorite - Pale gray green, varies from fairly fine to medium grain, no sulphides. Sharp contact at 30 to axis of core up hole., broken core down hole.
246 - 324	Variolitic greenstone - Pale gray green, fine grain, ragged banding and scattered bunches of variolites. Spots generally small about ¼" diameter. 273 - 287 Uniform gray, no spots. 287 - 324 Coarsely brecciated and cemented by black graphitic argillite. Banded graphitic chert - Black to dark gray, thin banding at 60 to core. Scattered pyrite and pyrrhotite
324 - 352	Banded graphitic chert - Black to dark gray, thin banding at 60 to core. Scattered pyrite and pyrrhotite. 327 - 333 Massive fine banded pyrrhotite with sparse fine stringers of pyrite with chalcopyrite. Lost core 334 - 335.
352 - 412	Cherty sediments - Gray to black graphitic chert with rather siliceous argillaceous bands. Generally thin bedding 45 - 60 to core. 398.5 - ½" stringer of chalcopyrite with calcite at 30 to core. 399.5 - 400 Quartz carbonate with small blebs of chalcopyrite. 404 - 404.5 Fine sphalerite.
412 - 433	Quartz Feldspar Porphyry - Generally light gray, no sulphides, sharp contact at 50 to core. 412 - 424 Numerous phenocrysts. 424 - 433 Fine grain vague phenocrysts.
433 - 442	Graphitic Sediments - Sheared and broken banding 45 - 60, scattered pyrite. Lost core 435-36, 437-38.
442 - 463	Quartz feldspar porphyry. Porphyritic for 3' or 4' at contacts, becoming fine grained uniform gray in centre.

463 - 470 Chert and Banded Graphite - Black graphite considerably sheared, chert, Scattered pyrite. 467.5 - 468 - White quartz carbonate, ~ dig?

470 - 538 Diorite - Fine grained in contact becoming coarse within 8 feet. Dark green, with light gray feldspar and leucoxene giving mottled appearance. a few fine quartz stringers. dig?

538 END OF HOLE.

Samples :

		No	Width	%Cu	%Zn.
89.0 - 95.0	Chert py, sphalerite, specks chalco	458	6.0	0.90	9.08
95.0 - 105.0	ditto	459	10.0	nil	0.30
105.0- 115.0	ditto	460	10.0	Tr	5.00
138.0-146.0	Chert breccia sphalerite	461	8.0	Tr.	5.61
146.0-153.0	ditto	462	7.0	nil	5.81
153.0-161.0	ditto	463	8.0	Tr.	2.75
161.0-171.0	ditto	464	10.0	0.20	5.56
Averages:	89.0-115.0		26.0	0.21	4.13
	138.0 -171.0		33.0	Tr	4.95

		Cu	Pb	Zn
607	10.0	0.11	0.12	1.06
608	8.0	0.07	0.09	0.23

323.0 - 333.0 -
333.0 - 341.0

V

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 58

Lat. 10790.37 Bearing Started Oct 29/56
Dep. 9217.74 Dip -90 Completed Oct. 31/56
Elev. 9994.31 Depth 152

0.0 - 4.0	Casing
4.0 - 14.0	Chert breccia, fair amount pyrrhotite, scattered specks of chalco and sphalerite.
14.0 - 30.0	Hard chert breccia, scattered chalco, sphalerite and pyrrhotite.
30.0 - 50.0	Same as above.
50.0 - 97.0	Fair pyrrhotite, scattered seams and specks of chalco and sphalerite.
97.0 - 103.6	Trap dyke, sharp contact 40 to core.
103.6-113.0	Chert breccia, scattered pyrrhotite and chalco and sphalerite.
113.0-131.0	Fine grained tuff and andesite.
131.0-152.0	Coarse grained andesite. deg?
152.0	END OF HOLE

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34947

HOLE NO. 58 Extension

Sheet No. 1 Section From 151.0 to 388.0

Started September 22, 1965

Latitude: 10790.37 Datum -

Completed: September 24, 1965

Departure: 9217.74 Bearing: -

Ultimate Depth: 388.0'

Elevation 9994.31 Dip -90°

Proposed Depth: -

Depth Feet	Description	No. of Sample	Width of Sample	Cu	Pb	Zn
	Coring started at 151.0'. Initial Block was marked 152.0'					
dig dig ?	151.0 - 163.0 Diorite (?Andesite) coarse, w/soft greenish alt. mineral (chlorite?) and much unidentified buff-coloured "skeleton" mineral. A little py.					
dig	163.0 - 164.8 Diorite (?) intr.					
dig	164.8 - 214.9 Diorite (?Andesite) continues as before.					
	214.9 - 219.6 Contact zone between Diorite & f/gr volcs.					
Gr (V)	219.6 - 240.1 Greenstone (volcs.) local silic.intr. py.& pyrr. min. A little cpy. in fractures					
Gr. V ?	240.1 - 252.0 Greenstone (?Tuffs) dark bluish rocks w/granular structure, banded at 70° and w/small amygs., changing to pyrite-rich material. Locally silicified to cherty material.					
	252.0 - 256.3 Diorite (?) intr., locally banded at 60° owing to shearing and veining. 252.1 - 255.0 pyrite dissem., rich, some massive.					
bl / c+b	256.3 - 314.4 Chert variable, with some py.& pyrr.min. locally banded, locally dark & with normal chert/arg. pyrite min. A little sphal.-gal., cpy. locally, in fracts.& veinlets.					
dark dyke ?	314.4 - 316.7 Diorite ? Intr., f/gr., greenish					

DIAMOND DRILL RECORD

Consolidated Shunsby Mines Limited

HOLE NO. 58 extension (contd.)

Sheet No. 2

Depth Feet	Description	No. of Sample	Width of Sample	Cu	Pb	Zn
316.7 - 323.6	Chert, variable, as before, some veinlets of py. & pyrr. zones of alt. A very little cpy. locally (assoc. w/py.) A little sphal.-gal. along bands & fracts. & dissem. locally.	MS 19	5.5'	0.04		0.71
323.6 - 324.5	Diorite ? Intr.					
324.5 - 327.3	Chert as before, dark sections. A little sphal. & py. dissem.					
327.3 - 330.1	Chert (cherty argillite & argillite) 329.3 - 329.5 dissem. sphal.					
330.1 - 333.0	Lost Core (2.9')					
333.0 - 346.6	Chert (Chert/Arg.) continues, black w/py. in bands. A little sphal. dissem. locally & a little gal. locally (assoc. with py.).					
346.6 - 388.0	Diorite (?) f/gr, grey, apparently mainly feldspar (?volc.) garb. veinlets. Some py. streaks & dissem. @ 370.2 change to darker, coarser type (with "skeleton" mineral).					
388.0	END OF HOLE					

Dip test @ 388.0' corrected value = 83 di

Casing left in hole.

Drilled by: Continental Diamond Drilling Co. Ltd.
E. Menard, foreman

sgd. Geo. A. Checklin, geologist

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 59

Lat. 9 51 N Bearing Started Nov. 3/56
Dep. 4 61 W Dip -90 Completed Nov. 7/56
Elev. 9976.0 Depth 200.0

0.0 - 7.0	Casing
7.0 - 60.0	Fine grained tuff, sparse pyrrhotite.
60.0 - 200.0	Andesite, coarse to fine grained.
200.0	END OF HOLE

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 60

Lat. 10933.24 Bearing Started Nov. 8/56
Dep. 9507.46 Dip -90 Completed Nov. 10/56
Elev. 9945.75 Depth 212.0

[illegible] - 13.0	Casing
[illegible] - 19.0	Tuff, scattered chalco and sphalerite in seams and specks.
[illegible] - 36.0	Interbedded tuff and variolitic greenstone, Scattered seams and specks of chalco and sphalerite.
[illegible] - 111.0	Chert and argillite, brecciated, scattered pyrite, chalco and sphalerite. 45.5 - 65.5' - Mineralized sphalerite and slight chalco. 65.5 - 75.5 - Slight sphalerite, in graphitic chert breccia. 75.5 - 85.5 - Mineralized sphalerite & chalco. 85.5 - 111.0 - Slight sphalerite and Chalco.
[illegible]-117.0	Tuff, fine grained, sparse pyrite.
[illegible]-129.0	Chert breccia, slight pyrite with scattered chalco and sphalerite.
[illegible]-130.5	Possible fault zone. Graphitic schist with pink carbonate. Fine pyrite.
[illegible]-135.0	Grey tuff, some pyrite.
135.0-137.5	Chert breccia, mineralized with pyrite with some sphalerite.
[illegible]-139.5	Fine grained tuff with graphitic streaks.
[illegible]-200.0	Andesite, gradational contact with above.
[illegible]-212.0	Tuff with a few specks of sphalerite.
212.0	END OF HOLE

Samples:

	No	Width	%Cu	%Zn
[illegible] - 55.5	6713	10.0	.50	4.9
[illegible] - 65.5	6714	10.0	.94	4.4
[illegible] - 75.5	6715	10.0	.80	0.1
[illegible] - 85.5	6716	10.0	.98	4.0
[illegible] - 95.5	6717	10.0	.83	1.9
[illegible] -105.5	6718	10.0	1.00	0.7
[illegible]-111.0	6719	5.5	1.82	0.7
Average: 45.5 - 111.0		65.5	0.95	2.5

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 61

Lat. 3 00 S Bearing Started Nov. 12/56
Dep. 1 60 E Dip -90 Completed Nov. 15/56
Elev. + 56.1' Depth 248.0

0.0 - 7.0 Casing

7.0 - 52.0 Chert, brecciated. 7.0 - 17.0 - Seams and blebs of sphalerite, a little galena and chalco. 17.0 - 27.0 - As above. 27.0 - 42.0 - Mineralization sparse, scattered Zn. 42.0 - 52.0 - Graphitic chert with bands of black argillite, scattered pyrite, chalco and galena. Bands of massive sphalerite up to ½" thick, 30 to core.] C

52.0 - 57.0 Basic dyke.] Ad

57.0 - 67.0 Graphitic argillite, bedding 20 and 30 to core. 1" stringer of sphalerite parallel to core. Some chalco and galena with the sphalerite.] A

67.0 - 72.0 Grey porphyry, (foldspar porphory) Specks and streaks of sphalerite and pyrite.] I

72.0 - 102.0 Graphitic argillite, black, narrow streaks and bands of sphalerite about 20 to core, parallel to bedding, Specks and blebs of chalco. 82.0 - 92.0 As above with 84.6 to 87.9 grey dike. 92.0 - 102.0 - As above with some chert, fine Cu, Zn, and Pb.] C A

102.0 - 157.0 Chert, brecciated. 102.0 - 112.0 - Fine Zn., Cu., Pb., & pyrite. 112.0 - 122.0 - Scattered sphalerite chalco and galena. 122.0 - 132.0 - As above. 132.0 - 147.0 - Increase in pyrite. 147.0 - 157.0 - More chalco and pyrite.] C

157.0 - 164.0 Graphitic argillite, about 50% pyrite, some fine sphalerite and chalco.] A

164.0 - 177.0 Chert, brecciated, streaks and disseminated pyrite, a few specks of sphalerite & chalco.] C

177.0 - 209.0 Tuff and fine grained andesite, some pink carbonate stringers at 198.0 - 206.0] G, V

209.0 - 248.0 Andesite (Diorite?).] Ad

248.0 END OF HOLE.

Samples:

	No	Width	%Cu	%Zn
7.0 - 17.0	6721	10.0	0.14	1.30
17.0 - 27.0	6722	10.0	0.09	1.42
42.0 - 52.0	6723	10.0	0.10	3.29
57.0 - 67.0	6724	10.0	0.11	4.03
72.0 - 82.0	6725	10.0	0.08	3.32
82.0 - 92.0	6726	10.0	Nil	3.11
92.0 -102.0	6727	10.0	0.06	3.45
102.0-112.0	6728	10.0	0.17	8.30
112.0-122.0	6729	10.0	0.05	5.75
122.0-132.0	6730	10.0	Nil	1.65
147.0-157.0	6731	10.0	0.09	1.65

Averages:

7.0 - 27.0	20.0	0.12	1.36
72.0 -122.0	50.0	0.07	4.89
42.0 -132.0	80.0	0.07	3.97

DIAMOND DRILL RECORD

PROPERTY Consolidated Sherritt Mines Ltd HOLE NO. #61 Ext.

SHEET NUMBER 7 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Cu GOLD $ %	SLUDGE GOLD $ %	Pb %
			ALS	.01	1.00	
	Summary of Samples (Including 7 Extra Samples)			Cu	Zn	
	320.4 – 330.9	MS 120	10.0'	0.31	3.34	0.52
	330.4 – 336.9	MS 121	6.5'	0.12	1.07	0.21
	336.9 – 344.9	004	8.0'	0.16	1.08	
	344.9 – 354.9	005	10.0'	0.04	0.54	
	354.9 – 364.9	006	10.0'	0.10	0.82	
	364.9 – 374.9	007	10.0'	0.08	0.32	
	374.9 – 382.0	008	7.1'	0.06	0.43	
	382.0 – 387.0	MS 118	5.0'	1.32	0.65	
	387.0 – 397.0	009	10.0'	0.09	0.49	
	397.0 – 407.2	010	10.2'	0.27	2.11	
	407.2 – 415.7	MS 119	8.5'	0.65	6.05	0.56

N.M.P., TORONTO—STOCK FORM No. 801 REV. 12/51

Consolidated Diamond Mines of S.A. (1958) Ltd

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Limited — Hole No. 61 Ext.

Sheet No. 1 — Section from: 246.0 - 468.0' — Started: July 16, 1966

Latitude: 3+00 S.) North Grid — Completed: July 19, 1966

Departure: 1+60 E.) North Grid — Dip - 90°

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
dig 246.0 - 250.2	Contact Zone --- Digestive Diorite, Leucoxene Development					
dig 250.2 - 260.3	Diorite (Digestive) Grey (not green) with good Leucoxene					
dig 260.3 - 263.8	Contact Zone, Dig. Diorite ----- Greenstone					
Gr V 263.8 - 314.7	Greenstone, Volcs. with traces of amyg. structure, light-col. in beginning, becoming darker down hole. B'ccd. on large scale with intruded f/gr tuff or seds. (?Arg.) w/py. min. locally. Some tuff bands. Some sphal. & gal. locally with py. in intruded dk. material. 280.0 - 314.7 Darker Col. volcs. with much intruded tuff or arg. in B'ccd. zones & sphal., gal. & cpy. locally in this material.					
314.7 - 328.5	Chert (Tuff?) f/gr, granular, hard, dk., w/much f/gr. pyrr. the latter increasing down hole to almost massive in sections & with much finely dissem. sphal. & some cpy. & with cpy. and sphal/gal. in veinlets, fine banding at about 70°. 320.5 - 328.5 good f/ dissem. pyrr. w/local cpy. & sphal.					
	SAMPLE 320.4 - 330.4 (no lost core)	MS 120	10.0'	0.31	3.34	0.5
328.5 - 336.9	Chert, mixed, mainly argillite, fractured at all angles, w/much sphal. locally & cpy. in veins. Py. also. Some tuff, some g/s. 330.4 - 333.3 g/s volcs. with cherty intr. 333.3 - 335.0 tuff & arg. bands @ 60° 335.0 - 336.9 f/gr tuff (?) with much pyrr. & cpy. & sphal. in veins, also py.					
	SAMPLE 330.4 - 336.9 (0.4' lost core)	MS 121	6.5'	0.12	1.02	0.

Property: Consolidated Shunsby Mines Ltd. Hole No. 61 Ext.

Sheet No. 2

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn
336.9 - 344.7	Chert, Argillite w/tuff sections. Banded at 60°,much py. locally. in veins, bands & dissem. A little sphal. & cpy. assoc. with carb. veins. 340.0 - 340.5 much fracturing with carb.				
344.7 - 391.0	Chert, tuff & chert complex, banded @ 40° mainly (w/local variation, sphal. & some cpy.& rare gal. in most of it, but generally sparse. The sphal.prefers the darker bands & med/gr.material locally, massive cpy. 344.7 - 361.4 locally good sphal./spy. (but not worth sampling) 361.4 - 382.0 cherty sections,with mainly barren chert & f/gr. tuff. 384.1 - 384.7 massive cpy.in ½ the core 384.7 - 391.0 more massive, cherty material w/a little cpy.				
	SAMPLE 382.0 - 387.0 (0.2' lost core)	MS 118	5.0'	1.32	0.65
391.0 - 396.8	Greenstone, (?volcs?) darker material, greenish 395.0 - 396.8 (?) basic intr.				
396.8 - 416.1	Chert, chert & tuff complex continues 396.8 - 403.7 mainly bluish chert w/ a little py. & cpy. locally in fractures 403.7 - 405.1 banded arg. with py. 405.1 - 407.2 g/s volc. or basic intr. 407.2 - 411.5 chert w/ good sphal.& some cpy. in veins 411.5 - 413.9 arg. & chert mixed, locally good dissem. sphal., py. & a little cpy. 413.9 - 415.7 chert with a little cpy. & sphal.				
	SAMPLE 407.2 - 415.7 (0.5' lost core)	MS 119	8.5'	0.65	6.05
	415.7 - 416.1 basic material, poss. g/s.volc or basic intr. now sheared & with much dissem. py.				

DIAMOND DRILL RECORDS

Property: Consolidated Shunsby Mines Ltd. Hole No. 61

Sheet No. 3

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	P
416.1 - 431.4	Chert, argillite zone w/much carbonate & qtz.intrusion, some g/s included, much lost core, min. mainly py., graphite slips, local shearing. 416.1 - 417.2 arg. banded (sheared?) @ 80° 417.2 - 417.5 frags. of carb.vein (showing shearing?) 417.5 - 419.0 1.5' lost core 419.0 - 419.6 frags. of mainly arg. some carb. 419.6 - 421.5 qtz.& carb.intrusion into arg.with arg. remnants included (mainly a qtz.-vein) 421.5 - 425.8 greenish B'ccd.material intr.by qtz. veins, (some carb.) possibly g/s volc. originally, locally sections of arg. 425.8 - 426.3 arg. zone with qtz. intr. also carb. in fracts. (417.5 - 426.3 possible fault zone) 426.3 - 431.4 mixed arg.& chert, py. in nodules, as threds, as dissem.particles graphite slips. 426.9 - 427.3 py. massive, in bands @ 60°					
431.4 - 433.7	Lost Core (2.3')					
433.7 - 441.8	Felspar porphyry - phenocrysts rather indistinct, qtz. granules locally 440.6 - 441.4 B'ccd. zone with black matrix (@ 20° to core)					
441.8 - 450.4	Chert, mixed 441.8 - 447.0 arg. graphite slips, includes 1.4' lost core 447.0 - 450.4 chert, massive (?traces of B'ccn.) well fractured 447.0 - 447.1 qtz. vein(?) with py, sphal.& gal. and some cpy. — No samples					

DIAMOND DRILL RECORDS

Property: Consolidated Shunsby Mines Ltd. Hole No. 61 Ext.

Sheet No. 4

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn
	448.2 - 448.4 sphal., gal., cpy, traces				
a. 450.4 - 468.0	F/gr. Diorite Footwall, greenish, f/gr. becoming coarser down hole, carb. fracts. (some qtz. a little leucoxene)				
	@ 458.3 change to dark-mottled coarser material (possibly main part of footwall diorite) more leucoxene				
@ 468.0	END OF HOLE				
	Test @ 400' Uncorrected 84°				
	corrected 82°				
	CASING LEFT IN. NO SLUIDGES				

drilled by: Continental Diamond Drilling Co. Ltd.

Lucien Leduc, foreman

sgd. Geo. A. Checklin,
Geologist

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 62

Lat. 3 00 S Bearing N 67 E Started Nov. 15/56
Dep. 1 60 E Dip -45 Completed Nov. 19/56
Elev. 1056.1' Depth 213.0

0.0 - 7.0 Casing

7.0 - 49.5 Chert, brecciated 7.0 - 17.0 scattered sphalerite chalco and galena. 17.0 - 27.0 Scattered pyrrhotite, chalco, sphalerite and galena. 27.0 - 37.0 As above. 37.0 - 49.5 Narrow bands of black and grey argillite.

49.5 - 59.5 Grey porphory (feldspar porphyry)

59.5 - 68.5 Basic dyle, fine grained, ragged contact.

68.5 - 115.0 Graphitic argillite. 68.5 - 73.5 Black argillite, streaks and blebs of sphalerite with a little chalco and galena. 73.5 - 102.0 - Black and grey argillite with scattered mineralization. A few narrow bands of sphalerite at 50 to core, parallel to bedding. 102.0 - 112.0 - 8' of massive sulphides pyrite and sphalerite with some chalco and galena. Similar in appearance to core in hole # 61, from 102.0-112.0 and above section.

115.0 - 135.0 Chert, brecciated. 112.0-122.0 - Several streaks of massive sulphides up to 2". Blebs of sphalerites and pyrite, a little chalco and galena. 122.0-132.0 - Scattered sphalerite, a little chalco and fine galena.

135.0 - 146.0 Graphitic argillite. 132.0-142.0 - Scattered pyrite and chalco. A few sections of fair sphalerite.

146.0 - 157.0 Chert, brecciated. 142.0-152.0 - Pyrtie and a little sphalerite, chalco and galena. 152.0-157.0 - Fair sphalerite, a little chalco and galena.

157.0 - 213.0 Tuff amd variolitic greenstone, buff coloured and fine grained.

213.0 END OF HOLE.

	Samples:	No	Width	%Cu	%Zn.
7.0 - 17.0		6732	10.0	0.08	1.29
17.0 - 27.0		6733	10.0	0.14	1.22
27.0 - 37.0		6734	10.0	0.04	1.19
68.5 - 73.5		6735	5.0	0.05	7.23
102.0-112.0		6836	10.0	0.03	7.96
112.0-122.0		6837	10.0	Tr.	8.17
122.0-132.0		6838	10.0	0.03	2.93
132.0-142.0		6839	10.0	Tr	0.44
142.0-152.0		6740	10.0	Tr.	2.43
152.0-157.0		6741	5.0	0.15	2.10
	Averages:				
70 - 37.0			30.0	.09	1.23
102.0 -132.0			30.0	.02	6.35
142.0 -157.0			15.0	.05	2.32
102.0 -157.0			55.0	0.02	4.18

Property: Consolidated Shunsby Mines Ltd. HOLE No. 62 Ext.

Sheet No. 1 Section from 213.0 - 433.0 Started: July 21, 1966

Latitude: 3 + 00 S) Bearing N 67 E Completed: July 24, 1966

Departure: 1 + 60 E) North Grid Dip: - 45 ° Ultimate Depth: 433.0

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn
Gr.V. 213.0 - 295.4	Greenstone, (Amyg.) volcs, f/gr, soft, light/grey-green with darker areas where B'ccd.or fractured & intruded by dk. grey cherty material. This latter is usually hard & contains py.& traces of sphal.& cpy.locally. 271.0 - 277.2 section w/ a little sphal. & very little cpy. but sphal.locally fair (not enough to sample) 295.0 - 295.4 cpy.in threads & narrow veinlets.				
C 295.4 - 301.7	Chert, (?)Tuff, massive, f/gr,dark, with fine chert frags. in hard matrix contains much dissem.sphal.through most of it & a little cpy. in veins locally. 295.4 - 300.0 best sphal.section, some cpy. 297.3 - 297.4 cpy. veinlets at 45°.				
	SAMPLE: 295.4 - 301.7 (no lost core)	MS 122	6.3'	0.50	3.43
Gr.V. 301.7 - 305.0	Greenstone, similar to above (213.0 - 295.4) 304.0 - 304.2 Qtz.vein @ 40° w/good sphal.dissem.,some cpy. & gal.				
305.0 - 306.2	Chert (?) Tuff, as before, with faint banding @ 65°,fine fract.@ 40°,contain ing sphal,& some sphal.dissem. all through @ 306.2 carb.vein@ 65° w/sphal.,gal.,some cpy.				
	SAMPLE: 301.7 - 306.2 (o.8' lost core)	MS 123	5.5'	0.50	6.26
C+A 306.2 - 322.9	Chert Tuff & argillite w/py.min.in bands & dissem. variable, rock is locally bluish, some graphite in slips. 307.3 - 310.0 2.7' lost core 312.5 - 315.0 2.5' " " 317.9 - 318.9 arg.highly fractured & w/ carb.veinlets at 45° to 70° & banding @ 55°.much sphal.in bands & veins & good cpy.assoc.with carb.also.				

Property: Consolidated Shunsby Mines Ltd. Hole No. 62

Sheet No. 2

Dppth Feet	Description	Sample No.	Width of Sample	Cu	Zn
	318.9 - 322.9 Tuff & Arg.w/py.,graphite slips,banding @ 55° 322.4 - 322.9 chert/arg. with a little cpy.				
	SAMPLE: 317.9 - 322.9 (1.8' lost core)	MS 124	5.0'	0.74	5.89
322.9 - 378.7	Chert, variable,incl.B'dcd.material,tuff,argillite & locally good cpy.,especially assoc.with black matrix in B'ccd.chert, sphal.locally. 322.9 - 326.8 chert, l/col.,B'ccd.& with matrixx of black f/gr material making up much of rock in places. This black material has py.& cpy.through it. The cpy. rims chert frags.in matrix but is not found in the chert evidently replaces py.of which some crystals remain. 326.8 - 333.4 chert & tuff complex 326.6 - 327.9 good cpy. (? some py) a little pyrr.& a little sphal.				
	SAMPLE: 322.9 - 328.4 no lost core	MS 125	5.5'	3.72	1.09
	331.0 - 332.8 Tuff or B'cc.w/cpy.& sphal.,locally fair.				
	333.4 - 335.5 B'ccd.chert, black matrix, some sphal. 335.5 - 337.7 mainly massive chert				
	SAMPLE: 328.4 - 337.4 o.8' lost core	MS 126	9.0'	0.18	2.38
	337.7 - 339.4 B'ccd.chert,dk.matrix,w/cpy.& sphal. 339.4 - 351.8 mainly banded chert & tuff local sphal.& cpy. 345.4 - 349.0 some sphal.sections, dissem.				
	SAMPLE: 337.4 - 348.4 no lost core	MS 127	11.0'	0.34	1.24
	351.8 - 355.8 B'ccd.chert,dk.matrix,local cpy.& sphal. 355.8 - 356.9 Banded Chert 356.9 - 361.0 Mainly B'ccd.chert				
	SAMPLE: 348.4 - 359.4 (0.9' lost core)	MS 128	11.0'	0.19	1.30

62

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd. HOLE No. 62 Ext.

Sheet No. 3

Depth Feet	Dexcription	Sample No.	Width of Sample	Cu	Zn
	361.4 - 361.7 more or less massive sphal.with some cpy. 361.7 - 362.3 B'ccd.chert, some sphal. in matrix 362.3 - 363.3 Black tuff, finely banded & w/sphal. dissem. from 362.7				
	SAMPLE: 359.4 - 364.4 (0.7' lost core)	# 001	5.0'	0.18	4.[illegible]
	363.3 - 367.0 Mixed argillite w/py.& tuff,local cpy. 367.0 - 369.6 Chert, B'ccd.black matrix, w/py.& cpy. 369.6 - 370.9 Black tuff w/dissem.py.& cpy.,some sphal.at end. 370.9 - 371.3 massive cpy.in chert 371.3 - 372.6 chert,fractured w/some cpy.in fracts., local sphal., pyrite @ 372.7				
	SAMPLE: 364.4 - 372.9	# 002	8.5'	2.56	2.13
	372.6 - 378.7 arg.w/py. in bands,dissem.& nodules				
378.7 - 381.8	Greenstone, soft, grey-green,with py.in streaky patches locally some dk.-grey cherty (intr.?) material.				
381.8 - 390.2	Chert, mainly argillite w/py.in bands & dissem.,banding @ 30° - 40°. Greenstone in short sections,some darker chert & a sect.of l/col. chert with dissem.py.				
390.2 - 398.5	Felspar Porphyry locally fractured & w/some black material (argillite) in fractures & as matrix in local B'ccn.				
398.5 - 412.3	Chert, mixed, w/argillite & true chert sections & w/some py., some cpy.& sphal. in the l/col.chert sections (nowhere good enough to sample).				
412.3 - 433.0	F/Gr.Diorite, Footwall, f/gr contact sheared weakly @ 60°. Leucoxxene finely dissem.,w/crystals larger down hole & "streaked out" greenish, soft, med/gr.for most part, homogeneous. 420.0 - 423.5 Fractured section, some darker zones.				

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd. Hole No. 62 Ext.

Sheet No. 4

Depth Feet	Dexcription	Sample No.	Width of Sample	Cu	Zn
	423.5 - 432.0 Generally darker & mottled but retains same med/grain.				
	432.0 - 433.0 (lost core (1.0'				
@ 433.0	END OF HOLE				

No Sludges (different type of casing)

Deep test at 400'

Uncorrected - 53°

Corrected - 45 °

Casing left in

Drilled by: Continental Diamond Drilling Co. Ltd.

Lucien Leduc, foreman

sgd. Geo. A. Checklin , B.Sc.
Geologist

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 63

Lat.	4	00 S	Bearing		Started Nov. 26/56
Dep.	0	95 E	Dip	90	Completed Nov. 27/56
Elev.	+	31.6'			Depth 207.0

0.0 - 9.0	Casing
9.0 - 18.4	Grey porphyry (feldspar porphyry) fine grained Sharp contact 45 to core.] π
18.4 - 62.0	Graphitic argillite, grey to black, scattered pyrtie, pyrrhotite, with streaks and specks of fine sphalerite, (dark brown). Minor galena and chalcopyrite. 57.8 - 62.0 - Two narrow (1.5') bands of dark cherty breccia. 25% sphalerite and specks of fine chalcopyrite and galena.] AGC
62.0 - 66.9	Grey porphyry (feldspar porphyry) fine grained.] π
66.9 - 85.6	Greywacke (?) Fine grained dark and grey rock. Bedding and schistosity 45 to core. Streaks and specks of very fine grained sulphides (15%).] GW
85.6 - 129.6	Grey porphyry (feldspar porphyry) fine grained. 100.9 - 102.9 - Blue cherty breccia, streaks of disseminated sulphides. 117.0 - 120.5 - Blue chert 70 to core, scattered fine sulphides.] π (+C)
129.6 - 155.6	Chert. 129.6 - 146.0 - Scattered pyrite and pyrrhotite. 146.0 - 148.3 - Graphitic argillite 40% pyrite. 148.6 - 155.6 - Sphalerite, some chalco and galena, 15% Sulphides.] C+
155.6 - 157.6	Variolitic greenstone and tuff. → no sample] GrV
157.6 - 182.0	Diorite, fine grained. ? GR ? ? GV d? π?
182.0 - 207.0	Variolitic, greenstone and tuff.] GrV
207.0	END OF HOLE.

Samples:

	No	Width	%Cu	%Zn
22.0 - 32.0	6742	10.0	-	1.41
32.0 - 42.0	6743	10.0	-	1.46
46.8 - 51.8	6744	5.0	-	1.95
55.0 - 59.0	6745	3.0	-	1.68
59.0 - 62.0	6746	3.0	0.36	4.89
		29.8	nil	~ 1.20

Average: 22-51.8

22.0 - 62.0		40.0	0.03	1.45
76.0 - 85.6	6747	9.6	0.06	1.17
148.3-156.6	6748	8.3	-	1.22

deep hole?

V

Y #174

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 64

Lat. 5 00 S Bearing Started Nov. 29/56
Dep. 2 10 E Dip -90 Completed Nov. 30/56
Elev. + 21.3' Depth. 423.

0.0 - 9.0 Casing

9.0 - 60.0 Graphitic argillite, black, scattered mineralization, a few specks of sphalerite and chalcopyrite.] A

60.0 -130.0 Chert, brecciated, grey. 60.0 - 66.0 - Sparse mineralization. 66.0 - 69.0 - 25% sulphides, stringers and blebs of sphalerite and chalcopyrite. 69.0 - 74.0 - Sparse mineralization. 74.0 - 79.0 - 25% sulphides. 74.8 - 76.8 - Stringers and blebs sphalerite and chalcopyrite. 79.0 - 130.0 - Sparse mineralization, a few specks of sphalerite and chalcopyrite.] C

130.0 - 132.0 Graphitic argillite, black, 30% sulphides, mostly pyrite. (why not sample?)] A

132.0 - 139.3 Chert, brecciated, stringers and blebs sphalerite and a little chalcopyrite. 15% sulphides.] C

139.3 - 208.0 Tuff and variolitic greenstone.] J, L

208.0 - 328.0 Variolitic andesite. - beginning of dio at ± 320 dio - remainder grades to dig dio at 330 - altered & light color to 351.0 WH] dio

328.0 - 351.6 Tuff and greenstone. 332.0 - 332.5 - Quartz.

351.6 - 366.0 Chert, slightly argillaceous. 353.5 - 361.0 - 10% sulphides. Pyrite, pyrrhotite, sphalerite, chalco, and galena in narrow stringers. 364.0 - 366.0 More argillaceous and slightly graphitic.] C (+A)

366.0 - 369.5 Argillite with a little sphalerite.] A

369.5 - 398.5 Chert, slightly argillaceous. 369.5 - 379.5 - Slightly mineralized with pyrite, pyrrhotite, and a little sphalerite and chalco.] C (+A)

398.5 - 401.0 Feldspar porphyry.] T

401.0 - 405.5 Chert, slightly argillaceous and slightly mineralized with pyrite pyrrhotite and a little sphalerite and chalco.] C+A

] T

405.5 - 423.0 Quartz-feldspar porphyry, a little pyrite.

423.0 END OF HOLE.

not deep enough ✓

Samples:

	No.	Width	%Cu	%Zn
132.0 - 136.3	6749	4.3	13'	2.86
136.3 - 139.3	6750	3.0	0.11	4.63
353.5 - 358.0	6506	4.5	0.10	0.83
358.0 - 361.0	6507	3.0	Nil	0.10
361.0 - 366.0	6508	5.0	0.02	0.61
366.0 - 369.5	6509	3.5	0.07	0.92
369.5 - 374.5	6510	5.0	-	0.30
374.5 - 379.5	6511	5.0	Nil	0.36
401.0 - 405.5	6512	4.5	Nil	0.16

perhaps not, 405 could be top of d.

Average:

132.0 - 139.3	7.3	0.05	3.59

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 65

Lat. 0 95 S Bearing Started Dec. 1/56
Dep. 1 05 E Dip -90 Completed Dec. 4/56
Elev. + 63.5' Depth 219.0

0.0 - 21.0 Casing

21.0 - 49.0 Chert, brecciated, scattered pyrrhotite, streaks and blebs of sphalerite.

49.0 - 53.4 Basic dyke, fine grained.

53.4 - 57.0 Graphitic argillite, bedding 30 to core, scattered pyrite.

57.0 - 60.0 Grey porphyry (feldspar porphyry?) Sharp contact 40 to core, scattered pyrite.

60.0 - 75.0 Graphitic argillite, black and grey, scattered pyrrhotite, a few stringers of sphalerite up to 2". A few specks of chalco.

75.0 - 105.0 Chert, blue, brecciated. 84.6 - 97.8 - 50% fine grained pyrite, few specks of sphalerite. 97.8 - 103.6 - 35% sphalerite, a few blebs of chalcopyrite.

105.0 - 148.0 Diorite, fine to medium grained.

148.0 - 219.0 Tuff and variolitic greenstone.

219.0 END OF HOLE.

Samples:

	No	Width	%Cu	%Zn
97.8 - 103.6	6501	5.8	0.09	7.02

? example ?

hole should be deepened ?

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 66

Lat. 9804.72 Bearing
Dep. 10025.51 Dip -90
Elev. 10005.09

Started Dec. 5/56
Completed Dec. 7/56
Depth 296.0

0.0 - 9.0	Casing	
9.0 - 81.5	Blue chert breccia, slightly mineralized with pyrite and pyrrhotite. 63.0 - 81.5 - Scattered blebs and stringers of up to one foot of fine pyrite and pyrrhotite. 81.5 - Sharp contact at 30 to core.	] C
81.5 - 98.0	Fine grained basic dyke.	dyke
98.0 - 116.5	Grey and black argillite, slightly mineralized. Bedding at 30 to core.	] A
116.5 - 126.5	Grey quartz porphyry.	π
126.5 - 140.0	Chert, breccia, interbedded with grey and black argillite - 50% if pyrite and pyrrhotite with stringers up to 6 inches. → sample?	] C+A
140.0 - 176.5	Fine to medium grained grey porphyry. → sample?	] π
176.5 - 232.5	Chert breccia - 25% pyrite and pyrrhotite.	]
232.5 - 246.0	Fine grained basic dyke, slightly schistose at 40 to core.	?
246.0 - 296.0	Tuff and variolitic greenstone.	?
296.0	END OF HOLE.	

Should be found by

Reference to this hole, see D

See Hole 56

Goes as follows
281-287.7
310-315.7 Ntm
477-491.7

4-315' Ch. (grap & brecc
315-477 Sst variol
cut by dykes Dac
& Fels. π.
477-535' Colorty sedds
535-568 TT Sery -
568-574 F.W Diori

This hole #66 is incomplete as only entered 12± 50' of Sst (variolitic). In hole 56, four values 0.56 1.6 were found 14' beneath Sst (var.)

Samples? Why not? Will see.

Shumsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 67

Lat. 4 60 S Bearing Started Dec. 10/56
Dep. 0 20 E Dip 90 Completed Dec. 16)56
Elev. + 16.9' Depth 500

0-.0 - 11'	Casing.	
11 - 29	Chert breccia, blebs and stringers of pyrrhotite and pyrite, with a few specks of chalco and sphalerite, 50% sulphides.	C
29 - 52	Black graphitic argillite scattered pyrite and pyrrhotite, bedding 30 to core.	A
52 - 72.5	Fine grained grey porphyry.	T
72.5- 109	Graphitic argillite with narrow bands of chert breccia, from 72.5 to 74.5 specks and streaks of sphalerite and chalco, also at 100' a few specks and streaks of sphalerite and chalco. The rest about 10% scatterite pyrite.	A
109 - 122	Chert breccia 50% sulphide. 114 to 116' massive fine grained pyrite.	C
122 - 218	Chert breccia 10% sulphides, scattered. 207 - 209 specks and streaks of chalco, and sphalerite. 213.2 to 215.8 stringers and specks of sphalerite with a few specks of chalco.	C
218 - 270	Medium to fine grained andesite, diorite? Gr.	Gr
270 - 326.5	Tuff and veriolitic greenstone, slightly schistose. Gr V	Gr V
326.5- 328.5	Quartz porphyry.	T
328.5- 362	Tuff and veriolitic greenstone, slightly schistose 35 to 40 to core.	Gr V.
362 - 389	Grey quartz porphyry, ragged contact about 40 to core.	T
389 - 393	Tuff schistose 40 to core. ~~~?	T?
393 - 403	Interbedded tuff and argillite, scattered sphalerite specks of chalco and fine grained pyrite.	A
403 - 420.8	Graphitic black argillite scattered sulphides. Stringers of massive pyrite up to 1", specks and streaks of sphalerite and chalco 20% sulphides.	A
420.8-430.8	Blebs and stringers of sphalerite with some chalco and pyrite.	?
430.8-440.8	Chert with narrow bands of graphite argillite scattered pyrite, chalco and sphalerite.	C + A
440.8 - 452	Hard grey chert, scattered sulphide a few specks of chalco and sphalerite.	
452 - 480	Black graphitic argillite with narrow bands of chert, bedding 20 to 35 to core. 473' to 475.5' calsite, graphitic shearing in both sides of calsite. Schistosity 35 to core. ~~~ 473-475?	
480 - 485.	Quartz porphyry, fine cubes of pyrite, sharp contact 25 to core.	T
485 - 487	Chert with bands of argillite and tuff 25% pyrite with specks of sphalerite and chalco.	A
487 - 500	Grey quartz porphyry slightly mineralized fine cubes of pyrite.	T
500	END OF HOLE.	

✓

Samples:

	No.	Width	%Cu	%Zn
213.0 - 215.0	6522	2.0	-	Nil
215.0 - 213.0	6523	3.0	-	0.67
393.0 - 398.0	6513	5.0	-	0.36
398.0 - 403.0	6514	5.0	-	0.16
403.0 - 405.8	6515	2.8	-	0.31
405.8 - 410.8	6516	5.0	-	0.25
410.8 - 415.8	6517	5.0	-	nil
415.8 - 420.8	6518	5.0	-	nil
420.8 - 430.8	6502	10.0	0.04	3.29
430.8 - 440.8	6503	10.0	0.03	1.68
440.8 - 445.8	6519	5.0	-	nil
445.8 - 450.0	6520	4.2	-	0.04
450.0 - 454.5	6504	4.5	0.57	6.83
454.5 - 458.0	6521	3.5	-	0.30
458.0 - 466.0	6505	8.0	0.02	1.56
Average: 420.8 - 466.0		45.2	0.07	2.08

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 68

Lat. 6 00 S Bearing Started Jan. 10/57
Dep. 0 80 E Dip 90 Completed Jan. 18/57
Elev. + 21.2' Depth 509

00 - 20	Casing
20 - 21	Graphitic argillite,
21 - 33	Grey feldspar porphry . Sharp contact 40 to core - slightly schistic with fair pyrite mineralization.
33 - 43	Argillite bedding 35 to core slightly mineralized mostly pyrite, a little spahlerite and chalco.
43 - 52	Chert with narrow bands of argillite 25% sulphides a little sphalerite and chalco.
52 - 77	Graphitic argillite, fair amount of sulphides - pyrrhotite - pyrite and a little sphalerite.
77 - 91.3	Feldspar porphyry, slight pyrtic a fair spell of sphalerite.
91.3 - 94	Graphitic argillite -- " -- specks of sphalerite.
94 - 98	Grey feldspar porphyry.
98 - 107.5	Argillite slightly graphitic - slight sulphides, pyrrhotite - pyrite, a little sphalerite and chalco.
107.5 - 117	Grey feldspar porphyry, sharp contact 30 to core, a few specks and streaks of sphalerite near lower contact.
117 - 123	Graphitic argillite, fair amount of pyrite, pyrrhotite and sphalerite.
123 - 165.5	Chert fair amount of pyrite - pyrrhotite stringers of sphalerite up to 2" a little chalco. 135 to 140, 35% sulphides with fair amount of sphalerite and chalco.
165.5 - 174	Chert with fair amount of sphalerite.
174 - 183.5	Graphitic argillite 25% sulphides, fair amount of sphalerite, some chalco. Slightly shistose at greenstone contact 30 to core.
183.5 - 408	Veriolitic greenstone and tuff. Pyrite mineralization with specks of sphalerite at 382 and 387. Lower contact slightly schistose with slight pyrite and a few specks of sphalerite - schistosity 35 to core.
408 - 416	First 3' mineralized tuff and argillite. Pyrite a little sphalerite, 411 - 416 graphitic argillite, slightly schistose, mineralized very fine grains pyrite - sphalerite - bedding 30 to core.
416 - 445	Argillaceous chert slightly graphitic, slightly mineralized fine grained pyrite, pyrrhotite and sphalerite, stringers of very fine grained sphalerite up to 1".
445 - 476	Argillaceous chert slightly graphitic, slight mineralization mostly pyrrhotite and pyrite a little sphalerite.
476 - 480	Tuff slightly mineralized - pyrite a few specks of sphalerite.
480 - 495	Chert with a few bands of argillite graphitic, 40 sulphides, mostly pyrite a little pyrrhotite and sphalerite - quartz in last 5'.
495 - 509.6	Tuff, a few specks of pyrite.
509	END OF HOLE.

Samples:	No	Width	%Cu	%Zn
33.0 - 38.0	6525	5.0	-	0.80
38.0 - 43.0	6526	5.0	-	0.32
43.0 - 52.0	6527	9.0	0.08	0.24
52.0 - 62.0	6528	10.0	-	Tr.
62.0 - 72.0	6529	10.0	-	0.39
117.0 - 122.0	6530	5.0	-	0.44
122.0 - 129.0	31	7.0	-	0.34
129.0 - 135.0	32	6.0	-	nil
135.0 - 140.0	33	5.0	0.16	2.50
140.0 - 148.0	34	8.0	-	nil
148.0 - 153.0	35	5.0	0.09	1.78
153.0 - 159.0	36	6.0	-	nil
159.0 - 164.0	37	5.0	-	0.09
164.0 - 169.0	38	5.0	-	1.94
169.0 - 174.0	39	5.0	0.19	1.95
174.0 - 179.0	40	5.0	-	nil
179.0 - 183.5	41	4.5	-	6.84
408.5 - 416.0	6542	7.5	-	nil
416.0 - 426.0	43	10.0	-	nil
426.0 - 436.0	44	10.0	-	nil
436.0 - 446.0	45	10.0	-	nil
446.0 - 456.0	46	10.0	-	nil
456.0 - 466.0	47	10.0	-	nil
466.0 - 474.0	48	8.0	-	nil
480.4 - 488.9	6549	8.5	-	nil
488.9 - 495.0	50	6.1	-	nil
Average: 135.0 - 183.5		48.5	Tr.	1.48

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 70

Lat. 7 10 S Bearing Started Jan. 31/57
Dep. 1 10 E Dip -90 Completed Feb. 2/57
Elev. + 17.2' Depth 206.0

0.0 - 12.0	Casing	
12.0 - 37.0	Slightly graphitic argillite, 15% sulphides, pyrrhotite, pyrite, specks of sphalerite and chalco. (1 sample)	A
37.0 - 43.0	Fine grained feldspar-porphyry.	T
43.0 - 64.0	Slightly graphitic argillite, 20% sulphides, pyrrhotite, pyrite, a few specks of sphalerite and chalco. (1 sample?)	A
64.0 - 69.5	Feldspar-porphyry.	T
69.5 - 113.5	Graphitic argillite, slightly mineralized pyrrhotite, pyrite.	A
113.5 - 116.0	Lost core.	
116.0 - 128.0	Quartz-porphyry.	T
128.0 - 168.0	Chert, 20% sulphides, scattered sphalerite and chalco.	C
168.0 - 206.0	Tuff and variolitic greenstone, slightly mineralized with pyrite, a few specks of sphalerite.	Gr V
206.0	END OF HOLE.	

Samples:

	No	Width	%Cu	%Zn
128.0 - 133.0	6760	5.0	-	3.06
133.0 - 143.0	6761	10.0	-	0.24
143.0 - 149.5	6762	6.5	-	0.87
149.5 - 155.0	6763	5.5	-	3.68
155.0 - 160.0	6764	5.0	-	2.86
Average: 128.0 - 160.0		32.0	-	1.81

No coffin present? assays?

to deepen BC.

Shunsby Mines Ltd. Sultan, Cnt. Page 1 Hole No. 71

Lat. 3 00 S Bearing Started Feb. 4/57
Dep. 0 05 E Dip -90 Completed Feb. 7/57
Elev. + 36.0 Depth 213.0

0.0 - 9.0 Casing

9.0 - 30.0 Chert, slight sulphide mineralization] C

30.0 - 71.0 Chert, 25% sulphides, pyrrhotite, pyrite, a little chalco and specks of sphalerite.]

71.0 - 84.0 Graphitic argillite, slight mineralization, streaks of pyrite, chalco and sphalerite.] A

84.0 - 125.0 Graphitic argillite, 15% sulphides, pyrrhotite, pyrite, chalco and scattered sphalerite.]

125.0 - 132.0 Fine grained feldspar porphyry, stringers of massive pyrite up to 3", a little sphalerite and chalco.] I

132.0 - 146.5 Argillite, 50% pyrite, some chalco, pyrrhotite and sphalerite. A

146.5 - 213.0 Chert, slight mineralization, pyrrhotite pyrite, a little chalco and sphalerite. C

213.0 END OF HOLE.

Samples:

	No	Width	%Cu	%Zn
70.5 - 76.5	6768	6.0	-	0.2
76.5 - 81.5	6765	5.0	0.08	0.7
136.5 - 141.5	6766	5.0	0.07	0.2
141.5 - 146.5	6767	5.0	0.04	0.1

no sample

deleted

Diamond Drill Record
CONSOLIDATED SHUNSBY MINES LIMITED

HOLE No. 68-22
Ext. 71

Latitude: B.L. 3+00S

Started: Jan. 15, 1969
Completed: Jan. 18, 1969

Dip: 90°

Ultimate Depth: 557.0 ft.

Depth Feet	Description	Sample No.	Width	Cu	Zn	P
	DEEPENING OF HOLE No. 71					
10.0 - 215.0	Chert - massive w/little dissem.pyrr.					
15.0 - 248.0	Feldspar - Andesite Porphyry - of east dipping series, serpentinized to varying degrees, in ransom lengths, slight indicat. of later movement					
48.0 - 328.0	Greenstone - variolitic - light green, grey on contact becoming greener downward. Brecciat. @ 292.0 - 299.0 w/black matrix containing dissem. sphal. Grades to andesite breccia - (probably greenstone phase).					
328.0 - 346.0	Quartz-Feldspar Porphyry - usual variety of Q.F. porphyry, fine gr. for 2.0' on rock end.					
346.0 - 389.0	Andesite breccia - continuat. of greenstone and breccia from above. Short sect. of 0.6 variolitic @ 379.0' and @ 387.0 - 389.0.					
389.0 - 411.0	Argillitic - sharp contact @ 60° to core, massive sulphides begin @ 389.4' pyr. cpy., sphal., py., slight banding massive sulphides decrease repidly to 391.0. Arg. w/str. py. + pyrr. minor sphal. gal. + cpy. to 395.0. Massive arg. continues banded by py. + qtz. str. tiny folds, very minor sphal. strg.					
	SAMPLE: 389.0 - 395.0 Arg. massive sulphides	646	6.0'	0.36	1.62 (1.83)	0.
411.0 - 414.0	Andesite Intrusive - contains few remnants of chert, very altered or serpentinized.					
414.0 - 421.0	Argillite-Chert - Quantity of chert, increasing downward. Consid. sphal. w/ little cpy. + galina. Part ore brecc. as faulting at 421.0			? ~ 421		
	SAMPLE: 414.0 - 420.0 Arg.-chert, cpy., sphal.	647	6.0'	0.24	2.23 (2.59)	0.
421.0 - 478.0	Chert - massive, indistict banding by greenish minerals, becoming bluish. Argillec. + mineralized at 467.0 - 470.0.					
	SAMPLE: 467.0 - 471.0 Arg.- chert	648	4.0'	0.74	8.98	1.
	SAMPLE: 471.0 - 478.0 Arg. chert	649	7.0'	0.17	1.91	-
	SAMPLE: 462.0 - 467.0	655	5.0'	0.11	0.55	-
478.0 - 485.0	Andesite Intrusive - altered to greenish colour. 2.0' lost core.					

-contd.-

Diamond Drill Record
CONSOLIDATED SHUNSBY MINES LIMITED

HOLE No. 68-22
Ext. 71

-contd.-

Depth Feet	Description	Sample No.	Width	Cu	Zn	Pb
485.0 - 498.0	Chert Argillite - Fault zone - graphitic, sheared, banded by py. and pyrr. CCA					
	SLUDGE SAMPLE: 485.0 - 495.0	650	10.0'	0.08	0.31	-
	SAMPLE: 484.0 - 494.0	656	10.0	0.05	0.21	-
498.0 - 508.0	Quartz-Feldspar Porphyry - same as section 328.0 - 346.0 T					
508.0 - 513.0	Chert - w/arg.on top contact, py. mineral. grades to greenish chert due to and ? on contact. CHT					
513.0 - 525.0	Feldspar - And.porphyry no phenos on contact for 4.0' gradually grading to fels.and.porphyry, grain size increases + grades to diorite. T					
525.0 - 557.0	Diorite - F.W. variety, massive, uniform, becomes prophyritic after 546.0. D.					
	END OF HOLE					

Drilled by: Continental Diamond Drilling Co.

Signed "William Heshka"

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 72

Lat. 11034.65 Bearing Started Feb. 11/57
Dep. 8880.84 Dip 90 Completed Feb. 19/57
Elev. 10022.41 Depth 705.0

a 758

862

0.0 - 13.0 Casing

13.0 - 30.0 Diorite

30.0 - 60.0 C Chert breccia, slight mineralization, pyrite, pyrrhotite and magnetite.

60.0 - 114.0 C Chert, slightly mineralized, pyrrhotite, magnetite. 90.0 - 106.0 - 15% sulphides, mostly pyrite, some pyrrhotite. 106.0 - 114.0 - 50% sulphides mostly pyrite, a little scattered chalco and sphalerite. 114.0 - 121.0 - Lost core.

121.0 - 129.0 A Tuff and narrow bands of argillite, 25% sulphides, mostly pyrite and pyrrhotite.

129.0 - 139.6 C Chert, slight mineralization, pyrite, pyrrhotite.

139.6 - 142.0 L Lamphrophyre dyke, sharp contact 40 to core.

142.0 - 152.0 C Chert, slight mineralization.

152.0 - 172.0 A Graphitic argillite, 50% sulphides, mostly pyrrhotite, a little chalco and sphalerite.

172.0 - 213.0 C Chert breccia, 15% sulphides, mostly pyrrhotite.

213.0 - 300.0 C Hard chert, slightly mineralized, pyrite, pyrrhotite, a few scattered specks of sphalerite.

300.0 - 362.0 C Hard chert, with a few narrow bands of argillite, slightly graphitic, schistosity and bedding 40 to 45 to core. Slight mineralization, pyrite, pyrrhoti 350.0 - 362.0 - 10% sulphides, scattered sphalerite and a few specks of chalc

362.0 - 380.0 Fine grained greenstone.

380.0 - 559.0 Tuff and variolitic greenstone, slightly schistose 40 to 45 to core. Some scattered sphalerite near contact with chert breccia. Sharp contact 45 to co

559.0 - 564.0 C Chert breccia, slightly mineralized, pyrite, pyrrhotite, a little chalco and sphalerite.

564.0 - 569.0 A Graphitic argillite, slightly mineralized, pyrite, sphalerite and chalco.

569.0 - 583.0 A Graphitic argillite, 15% sulphides, mostly sphalerite. A little chalco and pyrite.

583.0 - 596.0 C Chert, slightly graphitic, 15% sulphides, a fair amount of chalco and sphalerite, a little galena.

596.0 - 633.0 C Argillaceous chert, slightly mineralized, scattered chalco and sphalerite.

633.0 - 635.0 dyke Fine grained greenstone dyke. ? .

635.0 - 677.0 Graphitic chert and argillite, a little scattered chalco and sphalerite. C+A 652.0 - 677.0 - 30% sulphides, mostly pyrite, a little chalco and sphalerite.

677.0 - 679.0 Feldspar porphyry.

679.0 - 680.0 A Graphitic argillite, 20% sulphides, mostly pyrite, a little scattered chalco and sphalerite.

698.0 - 702.0 ∏ Quartz porphyry.

702.0 - 705.0 ∏ Fine grained feldspar porphyry.

705.0 END OF HOLE.

Samples:

No	Width	%Cu	%Zn
6769	5.0	.20	5.66
6770	5.0	.11	4.05
6771	5.0	Nil	Nil
6772	5.0	.84	1.71
6773	5.0	1.06	1.56
6774	4.0	.39	.99
	8.0	.15	.77
6775	5.0	.31	2.18
	25.0	0.44	2.59

567.5 - 572.5
572.5 - 577.5
577.5 - 582.5
582.5 - 587.5
587.5 - 592.5
592.5 - 596.5
596.5 - 604.5
635.5 - 640.5

Average: 567.5 - 592.5

(72 Extension).

706.5 - 711.0

753.6 - 758.1

Zn.
4-5' — 3.65
4-5' — 3.38

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34947

HOLE NO. 72 (extension)

Sheet No. 1

Started: October 21, 1965

Latitude: 11034.65 Section from: 705.0 to 862.0 Completed: October 23, 1965

Departure: 8880.84 Ultimate Depth: 862.'

Elevation: 10022.41 Dip: - 90°

Depth Feet		Description	Sample No.	Width of Sample	Cu	Pb	Zn
705.0	706.6	Felspar Porphyry(?) f/gr with pyrite					
706.6	718.2	Chert, fract.& distorted locally, locally banded py.min., some sphal, minor gal/cpy.	MS 46 706.5-711.0	4.5'		1.15	
718.2	721.1	Felspar Porphyry, coarse					
721.1	724.2	Chert, black, with pyrite in streaks & bands					
724.2	738.9	Felspar Porphyry, c/gr.to f/gr 732.0 - 733.0 B'ccd.Chert Bands					
738.9	758.0	Chert, mixed,becoming black, py.min. 754.2 - 758.0 Chert with sphal.dissem. & some galena, towards end, cpy.	MS 47 753.6-758.1	4.5		0.71	3.38
758.9	772.8	Diorite, f/gr,locally sheared & altered. A little cpy/sphal. at 1st contact, pyrite towards end					
772.8	786.7	Chert,black,locally soft graphitic,pyrite in streaks,bands at 50°,locally					
786.7	799.1	Diorite Intr.(?), f/gr,locally sheared & alt. py. towards 2nd contact					
799.1	803.6	Chert, black with banding at 85°,graphite					
803.6	862.0	Diorite ?, f/gr,light grey,veined with dk.material. Changes @ appx.827.0 to darker green material, stays f/gr.					
@ 862.0		END OF HOLE					

Cu not assayed?

803 - 827 dk
827 - 862 ?

Dip Test @ 800' uncorrected: 87°
corrected: 86°

Drilledby: Continental Diamond Drilling Co. Ltd.
E. Menard, foreman

sgd. Geo. Checklin, geologist

DDH 72

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 73

Lat.	10803.00	Bearing		Started	Feb. 21/57
Dep.	8813.00	Dip	90	Completed	Feb. 22/57
Elev.	9993.00			Depth	83

0 - 13 Casing

13 - 83] π Hole started in feldspar porphyry and continued in and out of it for 83 feet. Indications are that the dyke is vertical or dips vertical and hole was abandoned or cancelled at 83 feet.

83 END OF HOLE.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 74

Lat. 10782.05 Bearing Started Feb. 25/57
Dep. 8838.90 Dip 90 Completed Mar. 4/57
Elev. 9993.37 Depth 704.0

0.0 - 13.0	Casing.
13.0 - 83.0	Diorite ?
83.0 - 160.0	Chert, slight mineralization, pyrite, pyrrhotite
160.0 - 168.0	Chert breccia, 25% sulphides " "
168.0 - 188.0	Chert with narrow bands of tuff and a few stringers of sulphides, scattered chalco and sphalerite. Schistosity and bedding 45 to core.
188.0 - 315.0	Hard chert, slight mineralization, pyrite, pyrrhotite.
315.0 - 340.0	Argillite chert, slightly graphitic, 15% sulphides, chalco, sphalerite, galena, pyrite, pyrrhotite.
340.0 - 388.0	Tuff and variolitic greenstone, slightly schistose, 40 50 45 to core, scattered mineralization. From 386' to 387' - 1" stringer of galena, chalco and sphalerite.
388.0 - 419.0	Tuff and narrow bands of argillite and chert, slightly graphitic, 15% sulphides, scattered chalco and sphalerite.
419.0 - 450.0	Chert, slightly graphitic, 15% sulphides, mostly pyrite and pyrrhotite with scattered sphalerite and chalco and galena.
450.0 - 464.0	Tuff, slightly mineralized. ✓
464.0 - 475.0	Slightly graphitic chert, 30% sulphide, mostly pyrrhotite. Scattered chalco, galena and sphalerite.
475.0 - 499.0	Graphitic argillite, 35% sulphides, mostly pyrite and pyrrhotite, a little chalco and sphalerite.
499.0 - 505.0	Fine grained feldspar porphyry dyke.
505.0 - 575.0	Chert, slightly graphitic, scattered chalco, at 510' 3" stringer of massive chalco. 528.0 - 575.0 - Slight chalco and sphalerite. 575.0 577.0 - Lamprophyre dyke.
577.0 - 584.0	Chert, scattered sphalerite and chalco.
584.0 - 586.0	Feldspar porphyry dyke 2' fine grained.
586.0 - 592.0	Chert, 25% sulphides, mostly chalco and sphalerite.
592.0 - 622.0	Graphitic argillite, 50% sulphides, mostly pyrite. A little chalco and sphalerite, schistisity contorted.
622.0 - 632.0	Feldspar porphyry.
632.0 - 649.0	Graphitic argillite - 50% sulphides, mostly pyrite, a little chalco, schistosity 30% to core.
649.0 - 661.0	Chert, slight mineralization, pyrite.
661.0 - 702.0	Graphitic argillite, slight mineralization, pyrite, schistosity contorted and about 60 to core.
702.0 - 704.0	Feldspar porphyry, well mineralized with pyrite cubes.
704.0	END OF HOLE.

Shunsby Mines Ltd. Sultan, Ont.

Samples:

315.0 - 320.0
505.0 - 510.8
510.8 - 516.8
544.0 - 554.0
554.0 - 564.0
564.0 - 574.0
577.0 - 584.0
586.0 - 592.0
592.0 - 602.0
602.0 - 612.0
612.0 - 622.0
672.0 - 682.0
699.0 - 702.0

No	Width	%Cu	%Zn
6777	5.0	.73	2.41
6778	5.8	.47	.83
6779	6.0	2.78	.57
6780	10.0	.12	.38
6781	10.0	.11	.40
6782	10.0	.13	.57
6783	7.0	.29	1.61
6784	6.0	.80	4.21
6785	10.0	.05	.26
6786	10.0	.06	.23
6787	10.0	.05	.23
6788	10.0	.03	.38
6789	3.0	Nil	Tr.

Sample No. 6777 was also run for lead and returned 1.57 %

502 - 507.8 5.8 .47 .83 2.726 4.840
510.2 - 516.8 6.0 2.78 .57 16.68 3.42 2.78
11.8 19.406 8.068

11.8 ft 1.653 m .68 cm

577 - 584 7 ft .29
586 - 592 6 ft .80

	1.61	2.02	11.27
	4.21	4.80	25.26
13 ft		6.82	36.53
		1.45 m	2.93 cm

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 75

Lat.	10718.22	Bearing		Started	Dec. 12/60
Dep.	9505.15	Dip	90	Completed	Dec. 14/60
Elev.	9943.07			Depth	215

0 - 10 Casing

10 - 105 Gray tuff and agglomerate with minor breccia bands. Tuff is banded and shows variation in fragment - size. The banding makes angles of 25 - 45 with core - axis. Pyrite is disseminated and in stringers. Carbonates occur in bands up to ¼" wide. 28 - 33' - agglomerate band. 66.8' - possible speck of chalcopyrite. 69 - 76 - agglomerate band. 90.5 - 92.3 - silicious breccia with patches of disseminated chalcopyrite up to 1" in diameter. 93.0 - specks of C.P. and possibly sphalerite in 1/16" carbonate - filled - fracture. 96 - 98.6 - silicious breccia with sparsely disseminated C.P. 95' - specks of C.P. in a 1/16" wide carbonate band. 102.6' - narrow stringer of C.P.

105 - 136 Graphitic tuff and argillite - Graphitic occurs along cleavage planes or in patches. Pyrite present as fracture - fillings and as cubes up to ¼" across. A 1/8" wide carbonate band is present. The bedding makes angles of 25 - 35 with the core - axis. 119.6' - specks of C.P. in a 1/16" wide fracture filled with pyrite. 126.1' and 127.5' - specks of C.P. 130.0' 130.8' - silicious breccia.

136 - 169 Silicious breccia - contains disseminated C.P., sphalerite and pyrite. These sulphides occur as patches and fracture fillings. 140.5 - 142.3' - graphitic tuff, 136' - 4" band of massive sulphides containing patches and fracture - fillings of C.P. and sphalerite. 140' - 9" wide band of sulphides containing massive C.P. and sphalerite.

169 - 180.5 Greenstone and greenstone breccia - 169 - 176' - Chloritic with cleavage planes and disseminated pyrite. 176 - 180.5' - greenstone breccia with carbonate bands up to ½" wide.

180.5 - 215 Diorite - 180.5 - 201.7 - coarse grained diorite with quartz and carbonate bands up to 1/8" wide. 201.7 - 203.5' - chloritic and silicious shear zone with sparsely disseminated pyrite. 203.5 - 215' fine grained diorite with disseminated pyrite, and chloritic zones, and with silicious and carbonate bands. 205.5 - disseminated C.P.

215 END OF HOLE.

	Samples	No	Width	%Cu	%Zn
127.5 - 135.5	Dark sheared, chert, py, graph,	024	8.0	0.06	0.70
135.5 - 140.7	Chert, well min, py, C.P.	025	5.2	1.75	13.11
140.7 - 145.2	Chert, py, some C.P.	026	4.5	0.85	2.32
145.2 - 149.5	Andes, chert, slight min.	027	4.3	0.30	1.27
149.5 - 160.0	Chert, breccia, some min.	028	10.5	0.18	1.48
160.0 - 169.0	Chert breccia, py, some C.P.	029	9.0	0.74	2.35
169.0 - 175.0	Andes. carb, graph, slight py.	030	6.0	0.02	1.40
	Average: 135.5 - 169.0		33.5	0.68	3.60

All samples were assayed for silver and gold best assays

	Silver	Gold
025	3.20	0.04
029	0.27	0.06

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 76

Lat. 10674.43 Bearihg S 82 E Started Dec. 15/60
Dep. 9491.37 Dip -65 Completed Dec. 17/60
Elev. 9943.98 Depth 230.

0 - 11 Casing.

11 - 72 Greenstone breccia with tuff and disseminated pyrite / 11 - 11.8 - silicious breccia with massive and disseminated pyrite. 11.8 - 39.7 - graphitic sections, about 1' wide of broken core totalling about 8'. 39.7 - 41.5 - coarse tuff with sparse specks of C.P. 44.5 - 59' - graphitic tuff and breccia with ½" wide carbonate bands and disseminated C.P. and C.P. as threads and sparse irregular masses up to 3/8" in diameter.

72 - 79.8 Graphitic silicious breccia - Contains disseminated pyrite and C.P. and irregular masses of C.P.

79.8 - 99 Greenstone breccia and tuff with few stringers of pyrite. 79.8 - 91.7' tuff with coarse fragments and with ¼" wide fractures, filled with dark coloured fine grained material.

99 - 172 Silicious breccia with graphitic argillite and chloritic sections - widely disseminated pyrite in sections, and in bands up to ¼" wide. C.P. in masses up to 1/8" in diameter. 99 - 105' - sparsely disseminated C.P. and C.P. and sphalerite in stringers of pyrite. 110 - 117 - massive C.P. and sphalerite inbands up to ¼" wide. 120': 2 - 3 feet of tuff. 146' - a 3/4" fracture filled with massive C.P. 146 - 162' - spots and stringers of C.P. 157' - a 3/4" fracture filled with massive C.P. 169' - 1 foot zone of broken breccia.

172 - 224 Chloritic greenstone - shows cleavage planes and disseminated pyrtie. 1/8" wide band of pyrite and carbonate bands about 1/4" wide are also present.

224 - 230 Diorite with carbonate bands up to 1/4" wide.

230 END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
72.0 - 76.1	Silic, breccia, py, C.P. sph.	038	4.1	0.18	3.57
101.9 - 105.0	Chert breccia, graphite, C.P. sph.	031	6.1	0.24	3.82
105.0 - 109.7	barren, not sampled.		4.7		
109.7 - 117.3	silic. breccia, C.P.	032	7.6	0.71	1.12
111.0 - 145.0	silic, breccia, C.P. Sph.	033	4.0	0.02	2.94
145.0 - 150.5	silic, breccia, graph, C.P.	034	5.5	0.77	0.83
150.5 - 155.5	silic, breccia, graph, C.P.	035.	5.0	1.10	1.24
155.5 - 159.5	Chert, graphite, C.P.	036	4.0	2.84	1.40
159.5 - 162.5	Chert, graph, py, C.P.	037	3.0	0.64	0.76
	Average: 145.0 - 162.5		17.5	1.31	1.06

All samples were assayed for silver and gold
Best results as follows

	Silver	Gold
036	0.79	0.02
037	0.68	0.01

5,296
,00

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 77.

Lat.	10872.21	Bearing		Started	Dec. 18/60
Dep.	9509.40	Dip	-90	Completed	Dec. 19/60
Elev.	9942.46			Depth	170

0 - 7 Casing

7 - 24.3 Coarse gray tuff with some rounded fragments and disseminated pyrite: The rock is chloritic and contains a 1/8" wide, band of quartz. The pyrite is more concentrated near fractures filled with fine grained dark coloured material.

24.3 - 47.5 Siliceous breccia with graphitic chert and disseminated pyrite: Contains stringers and patches of pyrite. 27. 2': a patch, ½" in diameter, of massive galena and sphalerite. 29': 5" zone of disseminated cp. and threads of the same mineral. 29.5 - 30.5': chloritic greenstone. 33.6 - 40.5': disseminated cp. and sphalerite. Also patches of cp. and sphalerite less than ¼" in diameter. 40.5 - 47.5': similar to 33.6 - 40.5' but with more cp. and sphalerite.

47.5 - 83 Gray tuff with fine grained chloritic sections: The bedding makes angles of 25 - 40 with the core-axis. Carbonate bands, less than ¼" wide are present as well as disseminated pyrite, and stringers of pyrite. 62.9 - 83 scattered patches up to ¼" in diameter and stringers of cp. The concentration of cp. is greater in 62.9 - 64', 69.5 - 70.0, and in 76.2 - 77.6: 68' disseminated sphalerite in a band 1/16" wide.

83 - 131.5 Siliceous breccia and graphitic chert with minor greenstone sections: Contains sections of massive cp. and disseminated pyrite - 88.2 - 89.2 massive cp. and some sphalerite in brecciated graphitic chert. 89.7': few stringers of cp. in graphitic chert. 90.6 - 91.5: stringers and massive cp. in brecciated graphitic chert. 97.6 - 108': disseminated and massive cp. and sphalerite in siliceous breccia. Stringers of cp. in siliceous breccia. Cp. is more concentrated in 104.5 - 106.5': 108 - 112': greenstone. 112 - 118.5: over 50% of this section is massive cp. and lesser amounts of sphalerite. The rest contains stringers of cp. in siliceous breccia. 118.5 - 131.5': disseminated cp. stringers of pyrite and few patches of cp. less than ¼" in diameter, in siliceous breccia and graphitic chert.

131.5 - 170 Chloritic tuff. Contains disseminated pyrite stringers and patches of pyrite, up to 1/8" in diameter. Also, carbonate bands up to ¼" wide. 136' - 137' broken core.

170 END OF HOLE.

Samples:

		No	Width	%Cu	%Zn.
33.5 - 39.7	Silic. breccia, sph., cp.	039	6.2	0.40	2.74
39.7 - 47.4	Silic. breccia, sph. cp.	040	7.7	1.30	4.28
84.0 - 86.7	1" band of massive cp. in graphitic chert	041	2.7	1.18	0.38
86.7 - 88.0	Barren greenstone not sampled				
88.0 - 91.8	Silic. breccia with 1" section of massive cp.	042	3.8	10.44	1.22
91.8 - 97.5	Dark banded at 30, some py. and little cp.	046	5.7	0.23	0.20
97.5 - 104.0	Silic. breccia, cp.	043	6.5	1.45	1.53
104.0-108.5	Silic. breccia with cp. rich matrix.	044	4.5	3.58	1.94
108.5-112.4	Barren greenstone not sampled				
112.4-118	Silic. breccia with very mass. cp.	045	5.6	15.55	3.06
118.0-128.0	Chert, fine py. some cp.	047	10.0	0.21	0.34
Averages:	33.5 - 47.4		13.9	0.90	3.60
	84.0 - 118.0		34.0	4.60	1.27
	33.5 - 128.0		94.5	1.82	

All samples were assayed for silver and gold. Best assay.

	Silver	Gold
040	1.06	0.005
045	0.88	0.02

good vein!

Shumsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 78

Lat. 10372.21 Bearing S 78 W Started Dec. 19/60
Dep. 9509.40 Dip - 50 Completed Dec. 20/60
Elev. 9942.46 Depth 147

0 - 6 Casing

6 - 99 Gray tuff with coarse rounded fragments and chloritic breccia/ Contains carbonate bands less than ¼" wide. About 20': disseminated pyrite in chloritic breccia. 53': 2" zone with carbonate and chlorite. Probably a shear zone.

99 - 144 Diorite: 99 - 103.5: fine grained diorite. Turning to coarser diorite from 103.5 - 111. 111: a 1 foot zone of bands of carbonate, quartz, and chlorite. Possibly a shear zone. 111 - 144: still coarser diorite with carbonate bands about 1/8" wide.

144 - 147 Greenstone breccia with carbonaceous bands ½" wide, and making an angle of 15 with core-axis.

147 END OF HOLE. = Following the dip of what?

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 79

Lat.	10372.21	Bearing	N 78 E	Started	Dec. 22/60
Dep.	9509.40	Dip	-60	Completed	Dec. 23/60
Elev.	9942.46			Depth	153

0 - 9 Casing

9 - 18.6 Grey tuff with minor sections of breccia: Contains irregular fractures filled with pyrite cubes and fine grained dark coloured material.

18.6 - 110 Siliceous breccia and graphitic chert with minor chloritic sections. The bedding makes angles of 45 - 55 with the core-axis - 18.6 - 23.5': siliceous breccia with pyrrhotite patches up to ½" in diameter. More concentrated pyrrhotite patches at 21.3', 23.5 - 34': chert with sparsely scattered patches, up to ¼" in diameter of pyrrhotite and minor amounts of C.P. 33 - 33.7': chert with 3 bands of cp. up to ¼" wide 37 - 54': chert with widely disseminated pyrite cubes, pyrrhotite and cp. Also contains patches of pyrrhotite and cp., and stringers of cp. The cp. is more concentrated from 50 - 54', 42 - 46.5: stringers and bands of sphalerite up to ¼" wide 54 - 55.5': greenstone 55.5 - 63': chert siliceous breccia and minor greenstone zone with the disseminated pyrite, patches of cp. and pyrrhotite and stringers of sphalerite. The cp. patches are more concentrated in two 2" zones at 58.0 and 60.0', 63 - 84': carbonate stringers disseminated pyrite, cp., and sphalerite, and pyrrhotite, stringers of cp., sphalerite and pyrrhotite; and patches of cp. and pyrrhotite, 84.6 - 86.7': graphitic chert with disseminated cp. and stringers of cp as well as some sphalerite, pyrrhotite and pyrite. 86.7 93.3: greenstone with some sphalerite at 90.1', 93.3 - 101': stringers and some massive cp., and phrrhotite. Also some disseminated sphalerite, 101 - 110: stringers and patches of pyrrhotite and lesser amounts of cp. and sphalerite.

110 - 137 dig. Greenstone with carbonate and quartz stringers: Contains disseminated pyrite and stringers of pyrrhotite.

137 - 153 d. Medium grained diorite.

153 END OF HOLE.

	Samples:	No.	Width	%Cu	%Zn
42.0 - 46.5	Chert, silic, breccia, sph., stringers, little cp.	052	4.5	1.39	5.17
46.5 - 50.0	barren, not sampled.				
50.0 - 54.1	Silic., breccia, cp., stringers, sph., py.	048	4.1	1.64	2.34
54.1 - 55.5	barren, not sampled.				
55.5 - 63.3	Chert, silic, breccia and chloritic breccia, cp, pyrrhotite, sph., py.	049	7.8	0.96	1.46
84.6 - 86.7	Graphitic chert, cp., stringers, little sph., py., and pyrrhotite.	050	2.1	1.93	1.67
86.7 - 93.3	Barren, not sampled.				
93.3 - 101.0	Chert, silic. breccia, locally massive cp and pyrr.	051	7.7	1.01	5.32
	Averages: 42.0 - 63.3		21.3	0.96	2.08
	84.6 - 101.0		16.4	0.72	2.71

All samples were run for silver and gold, best assays:
No. 050 - 0.015 oz. Gold
No. 051 - 0.55 oz. Silver.

note Au + Ag + Pb

Page 1 Hole No. 79

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 80

Lat. 10927.33 Bearing S 79 W Started Dec. 26/60
Dep. 9564.51 Dip Collar - 50-600'- 50 Completed Jan. 1/61
Dip 300' - 48-762'- 50
Elev. 9936.70 Depth 762

0 - 13 Casing

13 - 19.0 Gray tuff with some rounded fragments and sparsely disseminated pyrtic. 18.0 - 19.0': massive pyrite and pyrrhotite.

19.0 - 61.8 Interzoned graphitic chert, siliceous breccia, argillite, and gray tuff: Contains disseminated pyrtie and pyrrhotite and stringers of pyrite and pyrrhotite. Bedding planes are approximately parallel to core-axis. 27.0 - 32.5': siliceous breccia zone with stringers and patches of C.P. and pyrrhotite. 39.0 - 57.5': threads, stringers and specks of C.P. and sphalerite.

61.8 - 153.5 Chert, siliceous breccia, interbedded argillite and minor greenstone sections: Contains mineralized sections. Bedding planes make angles ranging from 0 - 15 with core-axis. 61.8 - 114.0: specks, stringers and patches, up to ¼" in diameter, of C.P. and sphalerite. Also few specks of ~~graphite~~, stringers and patches, up to 1" in diameter, of pyrite and ~~pyrrhotite~~. 79.7': 1/8" wide band of pyrite, pyrrhotite, CP, and lesser sphalerite. 100 - 103' shows more mineralization than any other part of section 61.8 - 114.0, 119.2 - 127.5: Chert with siliceous breccia with stringers and patches of CP and sphalerite and locally massive CP as breccia matrix. 127.5 - 128.6': greenstone, 128.6 - 132.5: siliceous breccia and greenstone with disseminated CP and sphalerite and with stringers and patches of CP and sphalerite. 132.5 - 140.0': widely scattered stringers and patches of cp. and lesser amounts of sphalerite. The patches are up to ½" in diameter. 140.0 - 152.4': chert, siliceous breccia, and minor greenstone sections with disseminated cp, sphalerite and pyrite as well as stringers and patches of cp, and some massive cp. The cp. of more concentrated from 140 - 145' and near 152.4. 152.4 - 153.5': greenstone.

153.5 - 155.3 Tuff and breccia with carbonate stringers.

155.3 - 228.7 Diorite of varying grain size with disseminated pyrite, quartz stringers, and carbonate stringers. 189.5': 2" wide shear zone with quartz and carbonates. 220.6': 2" wide quartz band.

228.7 - 239.0 Siliceous breccia with disseminated pyrite and pyrrhotite and with stringers and bands up to ¼" wide, of pyrite and pyrrhotite.

239.0 - 266.0 ~~Greenstone~~ varying grain size with disseminated pyrite and pyrrhotite and with stringers of quartz and carbonates. 245.3 - 246.2': greenstone and carbonate breccia zone.

266.0 - 762.0 Diorite of varying grain size with disseminated pyrite and pyrrhotite, and with quartz and carbonate stringers. 273.0 - 273.8': carbonate band containing diorite fragments.

762.0 END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
26.4 - 31.3	Chert, graphite, cp, stingers, py and pyrr.	053	4.9	0.72	4.76
100.0-102.9	Chert, cp, some sph, graphite and py.	054	2.9	1.17	0.39
119.2-127.5	Silic. breccia,cp., rich matrix, lesser sph.,py.	055	8.3	4.79	2.18
127.5-128.6	Barren, not sampled				
128.6-132.5	Silic breccia,greenstone,cp,in part of matrix and lesser sph.	056	3.9	1.99	0.70
132.5-140.0	Chert, stringers & few patches cp, sph, py.	059	7.5	0.16	0.44

Samples: (cont'd)

		No	Width	%Cu	%Zn
140.0-144.8	Chert breccia, greenstone, cp, rich matrix, lesser sph. and py.	057	4.8	4.48	0.44
144.8 - 148.1	Chert, greenstone, cp., little sph. py.	058	3.3	0.74	0.22
148.1 - 153.1	Chert, some cp., py., minor greenstone	060	5.0	0.42	0.08
	Averages: 119.2 - 144.8		25.6	2.74	1.02

All samples were assayed for silver and gold with negative results.

Best assays: No. 055 - 0.48 oz. Silver.
No. 060 - 0.03 oz. Gold

4.96.

26.4 - 31.3 4.9 ft .72 Cu 4.76 Zn

100 - 153.1 53.1 ft 1.47 Cu .52 Zn

53' 1.47 Cu.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 81

Lat. 10879.16 Bearing S 78-36' W Started Jan. 3/61
Dep. 9339.98 Dip-Collar -50 300'-48 Completed Jan. 10/61
Dip- 600' -50 902'-51
Elev. 9976.91 Depth 903

0 - 12 Casing — grain size? very fine grain? Spec DDH 89 color?

12.0 - 316.7 Tuff of varying fragment size with chloritic sections: Contains disseminated pyrite, quartz, stringers and carbonate stringers. 71.5': patches of cp., along a fracture. 104.0 - 106.2': breccia zone with quartz and carbonates. 209.7': 3" wide shear zone with carbonates. 300.5' - 304.1': breccia.
T

316.7 - 339.0 Siliceous breccia grading to siliceous tuff: Contains disseminated pyrite and pyrrhotite and stringers of pyrite and pyrrhotite. Contains stringers and bands of quartz and carbonates, up to 3/4" wide. 334.5': 1.5" wide shear zone with quartz and carbonates.
C +T

339.0 - 405.0 Graphitic chert and minor graphitic and siliceous tuff: Contains stringers of quartz and carbonates. Contains stringers, patches and cubes of pyrite and pyrrhotite. The patches are up to 1/2" in diameter. 365': 1/2" band of quartz bordered by stringers of pyrite and pyrrhotite. 379.0 - 390.0': stringers and bands up to 1/2" wide, of cp., sphalerite, pyrrhotite and pyrite.
C +T

405.0 - 423.0 Interbedded tuff, graphitic chert, and graphitic argillite: Bedding angles vary in strike and dip. The angles range from 0 - 30 with core-axis. Contains stringers and patches of pyrrhotite and pyrite. The patches are up to 1/2" in diameter.
T+C+A

423.0 - 455.4 Chert, some of which graphitic, and siliceous breccia: Contains disseminated cp., sphalerite, pyrrhotite and pyrite. The cp. is more concentrated from 423 - 431', and from 446.5 - 449.0.
C

455.4 - 467.5 Graphitic argillite with bedding planes making angles of 10 - 25 with core-axis.
A

467.5 - 561.5 Siliceous breccia and chert with minor sections of argillite and graphitic argillite: Contains disseminated pyrite and pyrrhotite. Contains stringers of pyrite, pyrrhotite and carbonates. 467.5 - 475.4': disseminated cp. and sphalerite and stringers of cp. The cp. is more concentrated at 473'. 475.4 - 478.2': graphitic argillite with 4" wide chert section. 478.2 - 488.5': chert and siliceous breccia with disseminated sphalerite and pyrite, and stringers of sphalerite and pyrite. Also contains a 1 foot section of argillite. 488.5 - 492.6': argillite with angles of 30 - 35 with core-axis. 499.2': few specks of sphalerite. 501 - 517': bedding angles of chert to core-axis varies from 20 - 35. 508': 1/2" long stringer of cp. and a patch of cp along a fracture. The patch is 1/4" in diameter. 521.6 - 522.5': few specks of cp. 522.5 - 537.7': Chert and siliceous breccia with disseminated cp. and sphalerite, and with stringers and patches of cp. The patches are up to 1" in diameter. 537.7 - 541.4': graphitic chert and graphitic argillite with stringers of cp. and sphalerite. Contains massive cp. and sphalerite in a zone, 3" wide. 541.4 - 548.3': chert, siliceous breccia, and graphitic argillite with disseminated cp. and sphalerite and with stringers and patches of cp. and sphalerite. The patches are up to 1/2" in diameter. 548.3 - 559.5' chert with sparse specks and stringers of cp. and sphalerite. 559.5 - 561.5' chert, graphitic chert and siliceous breccia with specks and stringers of cp. and a 2" wide band of massive cp.
C (+A)

561.5 - 566.8 Gray tuff with chloritic stringers.
T

566.8 - 568.5 Chert and chert breccia: Contains heavily disseminated cp. and sphalerite over the upp 8" of the section; and contains stringers of cp. and disseminated cp. and sphalerite over the remainder of the section.
C

568.5 - 573.1 Gray tuff.
T

573.1 - 635.6 Chert, graphitic chert, and graphitic argillite: Contains disseminated cp. sphalerite, pyrite and pyrrhotite. Contains patches and stringers of pyrite and pyrrhotite. The pyrite is locally massive. Also, contains stringers of cp., sphalerite and carbonate. The concentration of cp. and sphalerite is sparse after depth 581.3'. 633.2' - 635.6': chert with widely disseminated pyrite and with specks of cp. and sphalerite.

635.6 - 656.5 Gray tuff with carbonate stringers.

656.5 - 664.0 Graphitic chert with minor tuff section: Contains disseminated pyrite and stringers of pyrite. 659.5 - 664.0': lost core.

664.0 - 713.0 Gray tuff with minor chert sections: Contains disseminated pyrite and stringers and patches of pyrite. Contains quartz and carbonate stringers. 672': 3" wide band of chert. 697.4' - 699.1': chert with a band 1/8" wide of pyrite at contact with tuff. The contact is partly parallel to core-axis and partly at 35 to core-axis.

713.0 - 803.4 Chert, graphitic in part, and minor sections of interbedded argillite: Contains disseminated pyrite and stringers, bands, and patches of pyrite. The patches are up to 1" in diameter. The pyrite is locally massive. Chert bedding makes angles of 25 - 40 with core-axis.

803.4 - 823.0 Feldspar porphyry: Phenocrysts average about 1/16" in diameter.

823.0 - 903.0 Graphitic chert: Contains disseminated pyrite and stringers bands and patches of pyrite. The patches are up to 1" in diameter and the bands are up to ¼" in diameter. Bedding angles to core-axis. Range from 10 - 30 Contains carbonate stringers and locally contains massive pyrite.

903. END OF HOLE.

	Samples:	No	Width	%Cu	%Zn
379.5 - 390.0	Graphitic chert, some cp. sph., pyrrhotite, py.	061	10.5	0.51	2.17
423.0 - 430.8	Silic. breccia, little cp., sph, pyrr., py.	062	7.8	0.51	1.87
430.8 - 436.0	Barren, not sampled				
436.0 - 442.0	Graphitic chert, little cp., pyrrhotite, py.	063	6.0	0.44	1.29
442.0 - 446.5	Graphitic chert, little cp. pyrrhotite, py.	064	4.5	0.24	0.90
446.5 - 450.9	Chert, little cp., pyrrhotite, py.	065	4.4	0.34	1.81
467.5 - 475.4	Silic. breccia, little cp., sph., pyrrhotite	066	7.9	0.74	0.94
475.4 - 478.2	Barren, argillite, not sampled		2.8		
522.5 - 531.3	Silic. breccia richly diss. cp., sph., py.	067	8.8	2.25	0.60
531.3 - 541.4	Chert, graphitic argillite, richly diss., cp., lesser sph., py.	068	10.0	4.00	1.59
541.4 - 548.1	Chert, graphitic argillite, richly diss., cp.	069	6.7	2.44	0.30
548.1 - 557.6	Chert, little cp., py., - sparse mineralization	070	9.5	0.29	0.68
557.6 - 562.0	Chert, graphitic argillite ¾" stringer of cp. rest sparse mineralization	071	4.4	2.44	0.61
562.0 - 566.5	Barren tuff, not sampled		4.5		
566.5 - 568.5	Argillite, 6" wide rich cp. zone, py.	072	2.0	3.78	1.13
568.5 - 573.2	Barren tuff, not sampled		4.7		
573.2 - 578.7	Graphitic chert, heavy sph., little cp.	073	5.5	0.57	7.26
578.7 - 587.2	Graphitic argillite, sph., little cp.	074	8.5	0.17	1.56
587.2 - 597.2	Graphitic chert, little sph., lesser cp. py.	075	10.0	0.17	0.84
597.2 - 608.0	Graphitic chert, sparse sph., cp. py.	076	10.8	0.27	2.79
608.0 - 623.0	Graphitic chert, py., little cp., and sph,	077	15.0	0.21	2.07
478.2 - 488.6	Silic. breccia py., little sph. a few specks cp..	078	10.4	0.21	2.13
	Averages: 522.5 - 548.1		25.6	2.95	0.91
	522.5 - 568.5		46.0	2.22	0.75
	573.2 - 623.0		49.8	0.25	2.44

All samples were assayed for silver and gold with negative results.

Best assays:

	Silver	Gold
061	0.66	0.01
066	0.56	Tr.
068	0.58	0.02
069	0.62	0.02

Trotter - Pojari Test of Hole No. 81.

The compass was checked against astronomic North and found to differ 14 degrees.
The corrected bearings are listed below.

	Bearing	Dip
Surface by transit survey	S 78 36' W	50
At 100 feet down hole	S 79 W	50
At 300 " " "	S 80 W	52
At 400 " " "	S 82 W	53
600 " " "	S 83 "	54

Completed at 1145°

Shumsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 82.

Lat. 10740.63 Bearing Started Jan. 11/61
Dep. 8637.85 Dip 90 Completed Jan. 15/61
Elev. 9926.33 Depth 503.

0 - 5 Casing.

5.0 - 137 Siliceous breccia with pyrite and pyrrhotite in matrix. 81.8 - 83.5 argillite with minor chert bands contact at 60 to core-axis. 100.2 - 101.3 Argillite with minor chert bands, contact at 80 to core.
C + A

137 - 157.0 T Fine to med. grained diorite. T ?

157.0 - 186.8 C Siliceous breccia with pyrite and pyrrhotite some massive sections.

186.8 - 197.0 T + A Tuff and argillite.

197.0 - 242.5 C Breccia partly siliceous and partly Tuffaceous - the latter mostly dark and graphitic, some pyrite and pyrrhotite.

242.5 - 283.0 C Chert showing bedding planes and massive pyrite, alternating with siliceous breccia. Few specks of chalco at 277'. Whole sections fairly well mineralized with pyrite and pyrrhotite.

283.0 - 455.0 C Chert breccia hard siliceous, very light colour with light brown patches. Well mineralized with pyrite and pyrrhotite. 295 - 2 feet graphitic argillite banding 30 to core. 367 - 2" Tuff. less mineral below 350 feet.

455.0 - 503.0 C + A / T + A ? Siliceous tuff and argillite fine grained, brownish to grey colour, fragment up to ½" in diameter, Contact at 55 to core. Quartz, carbonate stringers, sparse pyrite mineralization. 460 - 1 foot chert breccia.
dip ?

503. END OF HOLE.

Samples:	No	Width	Oz/Ton Gold	Cu.
83.5 - 88.0 Chert breccia fine pyrite and pyrrhotite.	079	4.5	nil	
88.0 - 94.0 " " " " " "	080	6.0	0.005	
94.0 - 100.2 " " " " " "	081	6.2	0.005	
242.2 - 267.2 Chert with bands of massive pyrite	082	5.0	0.01	
283.0 - 289.5 Chert breccia well mineralized with pyrite and pyrr.	083	6.5	trace	

The above are assayed for gold only. Only a few specks of chalco were seen at 277 feet.

See Sheets for #82 Extension to 836'

	Cu	Zn	Pb	
631.c - 633.6				
643.7 - 648.2				
695.c - 697.5				
701.1 - 702.1				
715.0 - 722.7				
752.2 - 761.2				
767.2 - 770				
771.e - 772.7 ?				
772.7 - 775.95				
787.9 - 792.5				
799.2 - 803.3 ?				
815 - 825.2 ?				
6413A	2.6'	2.25	-	07
6415A	5.5'	.22	.70	.32
6414A	2.5	2.15	Nil	
6416A	1.c'	c.25	5.10	Nil
6417A	7.7	c.c8	0.28	c.1
6418A	5.0'	0.30	0.15	Nil
6419A	2.8'	0.55	Nil	Nil
6420A	1.8'	1.90	Nil	4.2
6421A	3.25'	1.45	Nil	
6422A	4.6'	0.55	Nil	
6423A	41'	4.2.?	Nil	Nil
6424A	5.45	4.30	0.55	Nil

Page 1 Hole No. 82

1/0 26.0' 1.57% Cu

7993 - 8052

SHUNSBY MINES LIMITED

Hole No.: Sh-82E Dip: -90° Strike -

Property: Shunsby Mines; (Nipiron Option) Cunningham Twp. Date - July 19, 1964.

Location: 10740.63; 8637.85 Elev. - 9986.33

Depth	Description of Core	Sample No.	Sample Depth	Width	Au	Ag	Cu	Pb	Zn
	Extension								
33.9	Much altered greenstone showing "C" type Bxn. with banding @ 60°. Much traversed by irregular thin stringers. Qtz. Minor specks Pyrite								
25	Lost Core								
26.1	Much altered greenstone								
36.95	Lost Core								
	Fine grained greenstone grey-green in color becoming dark Occasional blebs and stringers Pyrite, Pyrrho.								
43.4	Chert Bx. with Black Carbonaceous shale material. Occasional fracture slicks Pyrite, Pyrrho.								
45	Lost Core								
56.4	Chert Bx. with Black Carbonaceous shale material. Completely irregular arrangement of Frags. Occational bleb Pyrite, Pyrrho.								

82 EXT

DRILLED 1964

SHUNSBY MINES LIMITED

Hole No.: Sh-82E Dip: -90° Strike -

Property: Shunsby Mines: (Nipiron Option) Cunningham Twp. Date - July 19, 1964.

Location: 10740.63; 8637.85 Elev. - 9986.33

Depth	Description of Core	Sample No.	Sample Depth	Width	Au	Ag	% Cu	% Pb	% Zn
[illegible]7	Medium grained Andesite	Gr.							
630.2	Light coloured highly altered greenstone with "S" type Breccia banding @ 45° average Occasional speck Cpy.	Gr. dig?							
637.8	Chert Breccia with Black carbonaceous shale material Mineralization massive to occasional stringers and blebs. Cpy, Pyrrho. Pyrite Tr. Pb. Zn	C							
		6413A	631-633.6	2.6'		0.74	2.25	0.70	Nil
643.7	Medium grained andesite								
[illegible]4	Chert Breccia with carbonaceous black shale material. Frags. grading down to sand grade. Occasional blebs and stringers. Pyrite with minor Cpy.	C+A							
		6415A	643.7-648.2	5.5'			0.22	0.32	0.70
667.4	Carbonaceous shale with weak banding (bedding?) @ 40-60° Occasional blebs and smears Pyrite	Shale?							

SHUNSBY MINES LIMITED

Hole No.: Sh-82E Dip: -90° Strike -

Property: Shunsby Mines: (Nipiron Option) Cunningham Twp. Date - July 19, 1964.

Location: 10740.63: 8637.85 Elev. - 9986.33

Depth	Description of Core	Sample No.	Sample Depth	Width	~~Au~~	~~Ag~~	% Cu	% Pb	% Zn
695	Chert Breccia showing "C" type Brecciation with banding @ 45°. Occasional minor cubes and smears Pyrite	C							
697.5	Black Carbonaceous shale with banding @ 45° Occasional Qtz. stringers Minor Pyrite mineralization throughout with massive Cpy stringers over last 0.5'. Associated graphitic shale. Occasional stringer sphalerite.	Shale. 6414A	695-697.5	2.5			2.15		Nil
708.0	Chert Breccia with dark shale mat. Minor Graphitic shale @ 701.6 with Cpy and blende stringers	C+Sh. 6416A	701.1-702.1	1.0		0.13	0.25	Nil	5.10
712.3	Dark siliceous shale with banding @ 45° (distorted bedding)	Shale.							
729.1	Chert Bx. with Black shale mat. Minor blebs Pyrite Pyrrho. (very sparse)	C+A 6417A	715-722.7	7.7	0.01	0.03	0.08	0.33	0.28

SHUNSBY MINES LIMITED

Hole No.: Sh-82E Dip: -90° Strike -

Property: Shunsby Mines: (Nipiron Option) Cunningham Twp. Date - July 19, 1964.

Location: 10740.63; 8637.85 Elev. - 9986.33

Depth	Description of Core	Sample No.	Sample Depth	Width	Au	Ag	% Cu	% Pb	% Zn
762.4	Dark Carbonaceous shale banding @ 30-45° to core. Latter portion slight chloritic Minor stringers and blebs Pyrite Pyrrho. Occasional specks Cpy								
762.2	Fine to Med. grained andesite chloritic poor schistosity @ 30° Minor Pyrite, Pyrrho Specks Cpy								
770.	Chert Bx. Carbonaceous shale mat. sporadic mineralization Blebs and stringers Cpy, Pyrite Pyrrh. Tr. Blende	6418A	762.2-767.2	5			0.30	Nil	0.15
		6419A	767.2-770	2.8			0.55	Nil	Nil
770.8	Fine grained chloritic Andesite Schistosity parallel								
771.8	Chert Bx. Cpy Pyrite	6420A		1.0			1.90		Nil
772.7	Fine grained chloritic andesite								
775.95	Chert Bx. with carbonaceous shale mat. stringers and blebs Cpy.	6421A	772.7-775.95	3.25		0.16	1.45		Nil

SHUNSBY MINES LIMITED

Hole No.: Sh-82E Dip: -90° Strike -

Property: Shunsby Mines: (Nipiron Option) Cunningham Twp. Date - July 19, 1964.

Location: 10740.63; 8637.85 Elev. - 9986.33

Depth	Description of Core	Sample No.	Sample Depth	Width	Au	Ag	% Cu	% Pb	% Zn
787.9	Qtz. porphyry								
792.5	Grey to Black siliceous shale (75% sil.) color banding @ 75° Stringers blebs and disseminated Cpy Pyrite Slight graphitic shale @ 792'	6422A	787.9-792.5	4.6			0.55		Nil
799.2	Medium grained grey andesite								
803.3	Black siliceous shale Frequent graphitic slicks Cpy blebs and stringers	6423A		4.1			4.20	Nil	Nil
819.75	Fine grained grey to green andesite chloritic with schistosity @ 40° Minor Cpy and Pyrite in fractures.								
825.2	Graphitic schist with schistosity @ 45° Disseminated Pyrite and Cpy Massive Cpy over 1.2' @ 823'	6424A		5.45			4.30	Nil	0.55
836	Fine grained andesite schistosity 30-40°								
836	End of Hole								

is the logging of this extension the same "green" unit as the "cherts" + "shale" ? Good Cu in both ?

SHUNSBY MINES LIMITED

Hole No.: Sh-82E Dip: -90°

Property: Shunsby Mines: (Nipiron Option) Cunningham Twp.

Location: 10740.63; 8637.85

Strike -

Date - July 19, 1964.

Elev. - 9986.33

Depth	Description of Core	Sample No.	Sample Depth	Width	Au	Ag	% Cu	% Pb	% Zn

AX Core
Drilled by Continental Diamond Drilling
Casing in hole (shoe salvaged)
Started - July 13
Completed " 18
Test @ 825 79° 40' Corrected.

"C" Type Breccia - Streaked out fragments reflecting plastic behaviour. i:e Convolute structure.

Logged by: C.T. Pasieka

Shunsby Mines Ltd. Sulton, Ont. Page 1 Hole No. 83

Lat. 10367.44 Bearing Started Jan. 16/61
Dep. 9009.01 Dip - Surface 90 Completed Jan. 20/61
500' 87 30"
Elev. 10004.26 Depth 522

0 - 19 Casing.

19 - 122 Diorite coarse grained, dark green, feldspar phenocrysts up to ½" diam. scattered throughout. 74 to 98 finer grained section (possibly greenstone) with quartz carbonate stringers at 20 to 70 to core.

122 - 139 Tuff, fine grained, dark green to light grey colour. Some sections agglomerate appearance, rounded fragments, some pyrite in quartz carbonate stringers. Lower contact at 50 to core.

139 - 178.5 Chert breccia hard, siliceous, numerous fractures, pyrite filled, lower contact with black graphitic argillite at 40 to core. Pyrrhotite mineralization from 142 to 160 feet. At 156.5 a 5" massive pyrrhotite vein. Contacts at 45 and 25 to core 163.5 - 170.5 black graphitic argillite. Little chalcopyrite in chert at 170.6 feet.

178.5 - 317.2 Tuff, medium to fine fragments, greenish to grey colour. Contact with above chert at 40 to core. 178.5 - 16' large fragments: 223.5 - 10' large fragments: 255 - 300 medium to small fragments, brownish colour, light green streaks, quartz, carbonate stringers at 300' some banding at 70 to core, very sparce pyrite.

317.2 - 336.5 Chert breccia interbedded with tuff and graphitic argillite, bedding at 40 to core-axis. Small to large feldspar fragments of all shapes scattered through black matrix. Fine pyrite. Blobs and fine pyrrhotite stringers. Little chalco at 325.8'.

336.5 - 365.8 Tuff, medium grain grey colour, few narrow carbonate stringers 40' to 50 to core.

365.8 - 501.5 Siliceous and graphitic chert, fine pyrite and pyrrhotite some chalco, sphalerite and galena. 365.8 - 391.5 black graphitic section, bedding at 45 to 55 to core. 367.4 - 1" carbonate stringer at right angles to bedding with some galena and sphalerite. About 4" of sheared broken graphite at each of 384', 400' and 401'. 399 - 406 some galena. 406 - 410 dyke medium grain, dark green, possibly diorite. 410 - 415 fairly well mineralized with pyrite, pyrrhotite, chalco, sphalerite. 415 - 441 Fine pyrite and little scattered chalco. 441 - 448 One foot graphitic argillite, fair amount of fine chalco in blebs and stringers. Some zinc. 448 - 466.7 Chert and graphitic argillite, fine pyrite and pyrrhotite, some chalco in specks and stringers. 466.7 - 501.5 Black graphitic argillite. Quartz, carbonate stringers and slips at 30 to 50 to core. Considerable fine disseminated pyrite, some pyrrhotite, little fine chalco and sphalerite. 470 - 484 broken up section with some lost core (cave). 470 - 475 - 2½ feet lost core. 479 - 482 - 2 feet lost core.

501.5 - 522 Greenstone, medium grain or possibly fine grain diorite. Some pyrite in specks and stringers to 504.

522 END OF HOLE.

All samples were run for silver and gold with negative results.
Best Assays: # 087 0.20 oz. silver.
#091 0.02 oz. gold.

	Samples:	No	Whole	%Cu	%Zn.
139.0 - 146.0	Chert, some pyrite and pyrrhotite	084	7.0	0.03	Trace
146.0 - 153.5	Chert, fair, pyrite and pyrrhotite mineralization	085	7.5	0.03	0.07
153.5 - 163.5	Chert, pyrite and pyrrhotite 5" massive pyrrhotite at 156.5	086	10.0	0.03	0.16
163.5 - 170.5	Black graphitic argillite little pyrite and pyrrh.	087*	7.0	0.02	0.04
170.5 - 178.5	Chert breccia pyrite, pyrrhotite some chalco	088	8.0	0.10	0.15
320.0 - 330.0	Chert breccia pyrrhotite, some pyrite and chalco	089	10.0	0.04	0.12
391.5 - 399.0	Siliceous chert breccia, pyrite and pyrrhotite	090	7.5	0.03	0.29
399.0 - 406.0	Chert breccia, pyrite, pyrrhotite, chalco, zinc, galena	091*	7.0	0.13	1.35
406.0 - 410.0	Diorite dyke not sampled				
410.0 - 415.0	Graphitic chert, fair chalco, some sphalerite	092	5.0	0.50	1.61
415.0 - 423.0	Chert breccia, some chalco, sphalerite, pyrrh.	093	8.0	0.15	0.26
423.0 - 433.0	As above	094	10.0	0.10	0.68
433.0 - 441.0	Chert breccia, few specks of chalco	095	8.0	0.25	0.36
441.0 - 448.0	Chert breccia, blobs and fine stringers if chalco, zinc.	096	7.0	1.60	0.79
448.0 - 458.0	Chert breccia, little chalco and sphalerite	097	10.0	0.63	1.93
458.0 - 466.7	Chert, graphitic, pyrite, pyrrhotite, specks of chalco	098	8.7	0.24	1.22
466.7 - 484.0	Black graphitic argillite, quartz carbonate stringers, considerable fine pyrite, some pyrrhotite, chalco and sphalerite, 4½ feet lost core	099	17.3	0.15	0.13
	Average: 441.0 - 458.0		17.0	1.05	1.50

139 - 178.5 39.5 39.5' ~ .03 ~.10

399 - 415.0 16.0

415 - 441.0 26.0

441 - 458.0 17.0 1.05 - 1.5

458.0 ~~4~~

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 84

Lat.	10,837.52	Bearing	N. 79 deg. E.	Started	June 10, 1961.
Dep.	9,331.02	Dip	60 deg.	Completed	June 12, 1961
Elev.	9,976.91			Depth	304 Feet.

0 - 10 Casing.

10 - 61 Tuff, grey, medium to fine grained with a few carbonate stringers.

61 - 232 Andesite. Dark green, medium grained with the odd quartz carbonate stringers. Minor scattered pyrite. Calcite stringer at 77 Ft. 146 Ft. - becoming coarser grained, more light colored minerals. Coarse and fine sections. A few fragments of varying size, rounded to irregular. 1" quartz stringer at 215 Ft.

232 - 236 Silicious, graphitic zone with numerous pyrite cubes.

236 - 257'7" Andesite. Medium to fine grained, grey green. A few rounded calcite variolites. Slight disseminated pyrite. Numerous pyritic cubes at beginning. A few fracture fillings of calcite.

257'7 - 262 Graphitic zone. Soft, tuffaceous. Scattered pyrite with minor chalcopyrite and sphalerite. Schistose 70 - 80 deg. to core.

262 - 304 Grey - green andesite. Chloritized. Darker green after 275 Ft. A little pyrite.

304 - END OF HOLE.

Shumsby Mines Ltd, Sultan, Ont. Page 1 Hole No. 85

Lat. 10,837/18 Started June 12th, 1961.
Dep. 9,329.56 Completed June 17th, 1961.
Elev. 9,976.91 Dip 90 Deg. Depth 317 Feet.

0 – 10 Casing.

10 – 61 Tuff. Find grained, greywith carbonate stringers. Some pyrite in fine fractures. A few green chloritic zones.

61 – 217'8 Andesite. Medium grained, dark green rock. Quartz carbonate stringers. A few rounded inclusions of lighter feldspar rock.
171' – 6" breccia zone. Fragments of feldspar in green groundmass.
192' – 4" siliceous breccia zone. ← remnant of ME?

217'8 – 252 Massive grey chert. Sparse pyrite and pyrrhotite with some chalcopyrite and sphalerite in sections.
217'8 – 226 – Barren.
226 – 240 – Fine chalco and sphalerite in fractures and blebs. Minor galena.
231 – 282 – Good Zn with Ph.
235 – 237 – Greenstone.
240 – 242 – Greenstone.
242 – 251 – Fine Zn. in fractures. A few good stringers of chalco and pyrrhotite. Two half inch stringers of Cu at 244' and two half inch stringers at 245'5'.

252 – 265 Black graphitic argillite with pyrite. Contacts at 45 deg. to core. Schistocity 45 deg. to 60 deg. to core. 15% Pyrite. A little siliceous breccia.

265 – 317 Greenstone. Medium to fine grained soft grey rock. Possibly altered diorite. Crystallization not distinct. Chloritized. A few calcite stringers and pyrite cubes. 3" zone of lighter material at 306'. with finely disseminated pyrrhotite. Becoming finer grained after 312'.

317 END OF HOLE.

SAMPLES.		Sample No.	Width of Sample	% Cu.	% Zn.
226 – 235	Chert, fine chalco and Sphalerite	8901	9.0	0.29	0.80
235 – 237	Greenstone no sample.				
237 – 240	Chert fine chalco, zinc, lead.	8902	3.0	0.29	1.45
240 – 242	Greenstone, no sample.				
242 – 246	Chert stgs. of chalco and zinc.	8903	4.0	2.04	2.87
246 – 252	Chert fine chalco, sphalerite, pyrrhotite	3904	6.0	0.49	2.69
	Average 242.0 – 252.0		10.0	1.11	2.76

226 – 252.0

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 86

Lat. 10,947.99 Started June 19/61
Dep. 9,350.49 Completed June 21/61
Elev. 9,978.92 Dip 90 deg. Depth 280 feet.

0 - 9 Casing.

9 - 38 Tuff. Light green to buff colored. Soft carbonatized.

38 - 202.5 Andesite, Medium to coarse grained, varying light to dark in color. Local variations in flows. Some inclusions.
64 - 103 Light green, inclusions of fine grained rock.
103 - Becoming darker with flecks of grey alteration mineral.
Odd quartz stringer.

202.5 - 227 Chert, massive with stringers of pyrrhotite. Some disseminated sphalerite & pyrrhotite with sparse chalcopyrite in narrow stringers. Some greenstone. A little breccia with pyrrhotite and chalco filling near contact.
202.5 - 214; Light grey, quite massive. Pyrrhotite in fine fractures. Fine Zn. in dissemination and fractures. A little Cu. 1" stringer pyrrhotite at 214'.
214 - 218; Predominantly greenstone. Hard, siliceous with inclusions of chert with pyrite, pyrrhotite and slight sphalerite.
218 - 222; Chert, dimmeminated pyrrhotite.
222 - 223.5 Greenstone. Uniform, fine grained.
223.5 - 227: Chert with disseminated pyrrhotite.

227 - 239 Tuff, interbedded with some chert. Odd black graphitic zone. Numerous pyrite cubes,

239 - 252 Graphitic argillite. Disseminated pyrite and stringers. 10% Sulphides Core angle 65 deg - 70 deg.

252 - 280 Altered diorite. Fairly fine grained, uniform altered grey green rock. A few rounded inclusions of chert.

END OF HOLE.

	SAMPLES	Sample No.	Sample Width	Copper %	Zinc %
205 - 215	Chert py, pyrrh. scattered specks of chalco, some fine strs of zinc. 213' 1/4" str, of chalco, some galena.	842	10.0	0.12	1.24

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 87

Lat.	~~10,~~947.99	Bearing	N 82 deg.W	Started	June 21/61
Elev.	-9,350.49	Dip	70 deg W	Completed	June 24/61
Dep.	~~-9,~~978.92		67 deg at bottom	Depth	427 feet.

0 - 10 Casing.

10 - 15.7 Tuff. Dark green to Buff. Soft.

15.7 - 41.5 Chert. Hard, quite massive. Some brecciated zones with a little pyrite, spalerite and chalcopyrite.
Good chalco 15.7 to 17.2 and along contact.
29.0 - 30.2: Greenstone. contacts 40 deg. to core.
Sphalerite disseminated and in narrow fractures.

41.5 - 207 Andesite. Medium to dark green. Medium to coarse graines, local flow variations. Odd quartz - carbonate stringer.
41.5 - 118 Light green colour, a few inclusions.
118. - 170 Darker, variolitic.
170 - 182 Becoming lighter.

207 - 232 Grey rock, medium hard, medium grained, slightly lineated. A little chert. Some pyrite.
224 - 229: Mainly chert with minor Cu and Zn.

232 - 282 Chert. Grey, massive to banded, slightly brecciated in some sections. Sparse sulphides. Odd narrow stringer and disseminated chalcopyrite and sphalerite. Banding 40 deg. - 50 deg. to core.
274.5 - 276.5: Graphitic argillite with pyrite. Banding parrallel to core 274.5 - 275'.
276.5 - 278 : Well mineralized chert. Mainly pyrrhotite. 2" stringer of pyrrhotite and chalcopyrite at 277'.
278.5 - 281 : Tuff.
281 - 282 : Chert with stringers and disseminated pyrrhotite. Slight chalco and sphalerite.

282 - 334 Graphitic argillite. Well mineralized with pyrite and pyrrhotite generally along schistocity. 15% Sulphides.
Core angle 30 - 40 deg. becoming less at end. A little chert breccia.

334 - 338 Chert with graphitic sections. Well cut by quartz-carbonate stringers and stringers of fine grained pyrrhotite and pyrite,

338 - 340 Tuff or contact zone. Soft buff coloured rock with numerous small pyrite cubes.

340 - 427 Altered diorite ?
Medium soft, grey green rock. Becoming darker after 381'. Chloritic.
Slightly crystalline in appearance, Altered.

END OF HOLE.

SAMPLES

		Sample No.	Sample Width	% CU.	% ZN.
15.7 - 22.5	Chert, some sections min with chalco				
- ~~39.0~~	~~1" massive chalco~~				
- 258½	1" with several 1/8" chalco strs.	840	6.8	1.30	0.27
276.0 - 278.5	Chert Py, pyrhh. 2" chalco, str @ 277'	841	2.5	3.10	3.41

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 88

Lat. ~~10~~,947.99 Dep 55 deg. at collar Started June 25/61
Dep. ~~-9~~,350.49 54 deg. at 300' Completed July 4/61
Elev. ~~-9~~,978.92 53 deg. at 590' Depth 593 feet.

0 - 10 Casing.

10 - 47 Interbedded tuff and andesite with some chert. Varying from buff to grey in colour. Soft.
16 - 24: Grey chert with stringers and blebs of chalcopyrite with slight sphalerite.
16 - 20: Good chalco.

47 - 64.5 Chert and chert breccia. Considerable carbonate in stringers,
48 - 53: Brecciated with stringers of carbonate and pyrrhotite. Slight Cu. and Zn.
2" stringer of carbonate and pyrrhotite at 50.5'.
Pyrrhotite with some disseminated chalco 52.7 - 53.3'.

64.5 - 211 Andesite. Flows varying light to dark green, medium to coarse graines. Variolitic. Odd quartz-carbonate stringer, chloritic.
149 - 162: Dark green, flecks of grey altered mineral. Inclusions of fine grain, medium green mineral. Contact 149' at 45 deg. to core.

211 - 246 Tuff. Fine grained, light green to buff coloured.

246 - 258.5 Andesite. Fine grained, medium to dark green with a few inclusions and fragments of chert.
246 - 247: Chert.

258.5 - 273.5 Basic flow. Dark green to black, hard, fairly magnetic. Finely disseminated pyrrhotite and magnetite A little sphalerite, chalcopyrite and galena in narrow fractures (up to 1/8").
258.5: - Flow contact at 35 deg.
261.5: Disseminated, chalcopyrite and pyrrhotite.
263 - 264 Brecciated with carbonate stringers.
268.5 - 270 Green, porphyritic. Non magnetic flow lines 32 deg. to core.
271.5 - 274 Numerous fine fractures 1/16 - 1/8" containing sphalerite and galena with 1/4" stringers. of chalco at 273' and 273.5'. Some ~~disseminated~~ chalco.

273.5 - 304 Graphitic argillite and chert. Pyrite cubes. Slight sulphides. Core angles 40 deg.
289 - 290.5: Disseminated sphalerite.
295.5 - 297.5: Graphite.

304 - 497.5 Chert and chert breccia. Sparse sulphides - pyrite and pyrrhotite. Some sections with disseminated chalcopyrite and sphalerite, A little siliceous greenstone.
311 - 312: Greenstone
351 - 380: Odd bleb of chalco with some sphalerite. Numerous chalco stringers 367 - 374'
413.5 - 415: Stringers of pyrrhotite with slight chalco.
427 - 429; Greenstone.
434.5 - 437.5 A few stringers and blebs of chalco. Blebs up to 1/4".
448.5 - 449 Brecciated with sphalerite filling. Slight chalco.
456.0 - 456.3 Same.
459. Blebs of sphalerite.
463.0 - 465 Good stringers and blebs of chalcopyrite up to 1/4" with pyrrhotite.
465.0 - 474 A few chalco stringers.
474.0 - 478 Graphitic argillite with pyrite (5%).
432.0 - 485 Interbanded siliceous andesite.
493.0 - 497.5 Greenstone or tuff. Soft. Chert with pyrite from 495 - 496

497.5 - 511 Graphitic argillite with slight pyrite. Core angle carying from parrallel ~~to 40~~ deg.

511 - 556 Chert, chert breccia and graphitic chert. Some sections with narrow

511.0 - 556.0 Continued.
stringers of chalcopyrite. Sparse sulphides.
511.0 - 521.5; Chert with pyrite and sparse chalco.
521.5 - 528.0; Good stringers and blebs of chalco. Stringers up to 1/8" and blebs to 1/2". Disseminated sphalerite.
528.0 - 536.0; Sparse chalco. Some graphite.
536.0 - 556.0; Fairly massive chert. Very sparse sulphides. Brecciated zone with slight chalco 446 - 447.

556.0 - 593.0 Chert and graphitic chert with considerable pyrite in stringers and disseminated cubes. Pyrite 10%. Odd fine fracture with sparse chalco. Odd narrow band of greenstone.
556.5 - 558.0; Graphite.
574.0 - 589.0; Mainly graphite with pyrite.
592.5 - 593.0; Greenstone with pyrite.

593.0 - END OF HOLE.

	SAMPLES	Sample No.	Sample Width	% Copper	% Zinc
16.0 - 24.0	Grey chert with stringers and blebs of chalcopyrite and with slight sphalerite	8905	4.0	2.37	0.33
258.5 - 266.0	Andesite, pyrite, chalco and sphalerite, brecciated with carbonate stringers.	8906	7.5	0.39	2.71
266.0 -274.0	Andesite, pyrite, chalco and sphalerite, brecciated with carbonate stringers.	8907	8.0	0.33	3.26
287.0 - 297.5	Chert breccia fair zn, some chalco.	835	10.5	0.11	1.49
367.0 - 373.0	Chert, numerous chalco stringers.	8908	6.0	4.73	1.57
373.0 - 380.0	Chert odd blebs of chalco some sph.	8909	7.0	0.75	1.13
434.0 - 439.0	Chert fine scattered chalco.	836	5.0	0.55	0.51
463.0 - 469.0	Chert, good strs. & blebs of chalco up to 1/4" with pyrrhotite.	8910	6.0	3.24	1.83
469.0 - 474.0	Chert a few chalco stringers.	8911	5.0	0.76	1.91
518.0 - 522.0	Chert, py, pyrrh. some chalco.	837	4.0	0.94	0.33
522.0 - 528.0	Chert breccia fair chalco.	838	6.0	4.89	1.16
528.0 - 536.0	Chert slight chalco.	839	8.0	1.11	1.64

AVERAGES

367.0 - 380.00 ✓	13.0	2.59	1.33
463.0 - 474.0	11.0	2.11	1.86
518.0 - 536.0	18.0	2.33	1.19

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 89

Lat.	10,879.16	Bearing S 79 deg. W.	Started	July 5/61
Dep.	9,339.98	Dip 62 deg; 300'-62 deg.	Completed	July 11/61
Elev.	9,976.91	576'-60½ "	Depth	576 Feet.

0.0 - 10.0 Casing.

10.0 - 38.5 Tuff, buff coloured, soft.

38.5 - 240.0 Andesite varying light to dark green. A few inclusions of light grey altered feldspar.
116 - 123 flow contact parallel to core.
128 - 136 " " " " "
231 - 240 light green to buff coloured a few small (1/4" wide) oblong chert inclusions.

240.0 - 255.0 Basic flow very fine grained dark green with finely disseminated pyrrhotite and a little pyrite. Odd pyrrhotite stringer. Very sparse finely disseminated chalco and sphalerite.

255.0 - 273.0 Flow or intrusive medium grained lineated grey rock large pyrite cubes up to 3/4" singly and in clusters around inclusions of chert. Lineation 45 deg. to core, odd dark siliceous bands.
272 - 273 black chert.

273.0 - 390.0 Chert and chert breccia sparse sulphides.
273 - 283 fairly massive, grey, a little pyrite, pyrrhotite, chalco and sphalerite and galena.
273 - 290 Few narrow quartz carbonate stringers. Disseminated and blebs of Cu and Zn @ 274 - 275 and 278 - 279.5.
283 - 285 Siliceous greenstone.
285 - 291 Chert, few blebs and disseminated Cu and Zn; 1/4" stringer at 287.3.
291 - 292 Greenstone 2" gnst. with disseminated sulphides, cu, zn, pb, @ 292.8.
293 - 331 Banded chert very sparse sulphides, banding @ 30 deg - 35 deg.
331 - 332 Siliceous breccia with some Cu. and Zn.
332 - 339 Banded chert barren.
339 - 371 Chert breccia scattered Cu and Zn in narrow stringers and blebs generally up to 1/8". Some interbedded greenstone . 1/4" chalco stringer @ 343.2'.
Greenstone 343.7 - 346.0; 358 - 360; 367.6 - 368.7; 371.0 -373.5
373.5 - 376.0 greenstone, contact yearly parallel to core.
376.-390 Chert with pyrite.

390.0 - 409.0 Graphite - graphitic argillite, somy pyrite cubes and disseminated pyrite.

409.0 - 576.0 Diorite.

576.0 END OF HOLE.

	SAMPLES	SAMPLE NO.	WIDTH	COPPER	ZINC
339.0 - 344.0	Chert blebs of chalco and 1/4" stringer @ 343.2	843	5.0	1.20	0.18
344.0 - 351.0	Chert & Andes, few specks chalco.	844	7.0	0.18	0.25
351.0 - 358.2	Chert, brecc. graphitic, fine scattered chalco.	845	7.2	0.36	1.94
358.2 - 360.2	Greenstone no sample		2.0		
360.2 - 371.0	Chert breccia graphitic some fine chalco.	846	10.8	1.05	2.64

Delay due drill breakdown, had to fly to North Bay for part.

Shundby Mines Ltd. Sultan, Ont. Page 1 Hole No. 90

Lat. 10,923.70 Started July 13/61
Dep. 8,965.24 Completed July 18/61
Elev. 10,015.03 Dip 90 Deg. Depth 548 Feet.

0.0 - 10.0 Casing.

10.0 - 80.5 Andesite. Medium to coarse grained, medium green colour with fairly numerous inclusions, round to angular up to 1" of altered feldspar (grey-white colour). Chloritic. Odd narrow quartz-carbonate stringer.
65.0 - 80.5; Lighter in colour with flecks of grey alteration mineral. Inclusions scarcer, altered to light green.

80.5 - 94.8 Andesite. Fine grained, grey-green colour with considerable pyrite and pyrrhotite and some zones of massive pyrite. A few inclusions of chert.
91.0 - 91.8; Massive sulphides.
94.2 - 94.8; Chert fragments and sulphides.

94.8 - 141.2 Chert and chert breccia with the odd narrow greenstone band. Scattered sulphides - pyrite and pyrrhotite disseminated and in stringers. Some massive pyrite, Core angle of bands 45 deg. Sparse chalcopyrite and aphalerite.
103.6 - 104.8; Massive pyrite.
Section 91.0 - 107.0; Approximately 25% sulphides.

141.2 - 176.5 Mixture of andesite and tuff. Medium green to grey-green colour. Soft. Considerable flow breccia with tiny to very large fragments.
158.0 - 158.5; Disseminated sphalerite, Flow contact at 159' at 45 deg. to core.
175.0 - 176.0; A little pyrrhotite, chalco and sphalerite.
176.0 - 176.5; Disseminated pyrrhotite with a little pyrite at contact.
141.2 - 158.5; Flow - dark green, rounded to angular fragments.
158.5 - 176.5; Flow with large rounded fragments of grey rock containing small)1/16") angular fragments of green mineral.

176.5 - 277.3 Chert and chert breccia. Light grey colour with sparse scattered pyrite and pyrrhotite.
176.0 - 195.0; Generally brecciated, scattered sulphides. 193.6 - 194.2; mostly pyrrhotite and pyrite.
195.0 - 225.0; Quite massive, poor sulphides.
268.0 - 277.3; Stringers and blebs of pyrrhotite.

277.3 - 285.0 Graphitic argillite and andesite. Dark grey to black with a few pyrite cubes.
277.3 - 278.0; Soft grey rock with some black graphitic bands & inclusions.

285.0 - 304.2 Chert. Grey. Slightly fractured with a little pyrrhotite filling. Slight pyrite. Sulphides 5 - 10%.
291.2 - 293.8; Band of silicified greenstone. Some pyrrhotite.

304.2 - 377.3 Tuff or flow. Soft, grey colour, varying to pale green. Fine grained, indistinct crsytallization.
304.2 - 353.0; Grey with odd zone of rounded light grey inclusions, spherulitic.
353.0 - 365.0; Flow breccia with dark green filling. Some small angular black fragments.
365.0 - 377.0; Unifrom, grey greencolour, medium to fine grained. Appearance of altered diorite.

377.3 - 397.0 Chert breccia. Large angular to rounded fragments of chert in a dark siliceous groundmass. Considerable pyrrhotite filling (10 - 15%).

397.0 - 404.0 Chert breccia. Find grained. Tiny angular grey chert fragments in dark groundmass. At beginning some fragments up to 1/2". Becoming finer with fragments generally less than 1/16". Odd band and large fragment of black chert. Pyrrhotite filling 15%.

404.0 - 427.5 Flow rock or dike. Dark green to black, very fine grained.
404.0 - 412.0; A few small fragments (up to 1/8") of chert and a soft green rock in fine groundmass. Finely disseminated pyrrhotite and off narrow stringer of pyrrhotite. Very sparse chalcopyrite.

404.0 - 427.5 Continued.
412.0 - 420.0; Darker colour.
420.0 - 427.5; Black with pyrite in cubes and stringers. No pyrrhotite. Becoming hard and siliceous after 425'.

427.5 - 446.0 C [Banded chert. Some breccia with siliceous filling. A little pyrite and pyrrhotite. Core angle 45 deg.

446.0 - 455.0 Gr [Greenstone. Pale green, soft, fine grained.

455.0 - 528.0 C [Chert, chert breccia and graphitic chert. A little pyrite in cubes and stringers. Slight pyrrhotite.
483.0 - 485.0; Sparse sphalerite in tiny fractures.
485.0 - 516.0; Barren, slight pyrrhotite.
516.0 - 528.0; Some pyrite.

528.0 - 548.0 A [Graphitic argillite. Slight chert. Some pyrite. Core angle 60 deg.

548.0 - END OF HOLE.

~~No. samples taken.~~

			Cu %	
98-5.-167-5	CHERT WITH MUCH PYRITE & PYRRHOTITE MIN. LOCALLY & WITH A LITTLE CHALCOPYRITE (ASSOC. WITH PYR?) & A LITTLE SPHALERITE.	M5.56	9.0'	0.06

1965 Geo. C. "practically certain" this hole not bottomed in F.W. diorite. Suggests clearance "by 400'±". We tried to ream but "jammed" up hole when sampling rod dropped. Believed no great problem to remove.

→ It should be close to bottom of BC, but not there — see DDH 83

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 91

Lat. 10,777.56 Cp 90°
Dep. 9,021.24
Elev. 9,999.14

Started July 20/61.
Completed July 26/61.
Depth 529 Feet.

0.0 - 21.0 Casing.

21.0 - 170.0 Andesite. Coarse grained, dark green. Few narrow carbonate stringers, Becoming lighter in colour after 115'. Odd inclusion.
157.0 - 158.0; Stringers of grey rock (Diorite ?) 1½" wide.
158.0 - 163.0; Darker, chloritic.
163.0 - 170.0; Finer grained, grey-green.

170.0 - 224.0 Chert. Light grey, very hard, quite massive. A little pyrite and pyrrhotite with some zones slightly brecciated with small chert fragments in fine light green siliceous groundmass. Odd zone with slight sphalerite, chalcopyrite, and some minor galena.
179.5 - 180.0; Slight disseminated Zn. and minor Cu.
181.7 - 184.2; Blebs of chalcopyrite and shpalerite.
182.2 - 182.6; Good Cu. and Zn.
186.5 - Brecciated with fragments containing pyrrhotite (emplaced previous to brecciation).
187.0 - 188.0; Considerable pyrrhotite with a little Zn. and slight Cu. and Pb.
206.0 - 207.4; Greenstone dike @ 35. deg. to core. Cgert fragments.
223.0 - 6" of greenstone.
223.2 - 224.0; Chert with scattered Zn. and slight Cu. and Pb.

224.0 - 328.5 Tuff or clow. Buff to grey-green colour. Some zones with porphyritic appearance with "phenocrysts" or inclusions of lighter rock,
289.0 - 291.0; Dike of dark grey-green fine grained rock at 50 deg to core (Diorite ?).
316.0 - 317.5; Dike as above with a little galena along fracture and a few specks of Cu. and Zn.

328.5 - 361.5 Chert breccia. Large fragments of grey chert in a dark groundmass. A little scattered chalcopyrite and sphalerite in stringers and blebs, Some pyrrhotite stringers. Minor pyrite.
329.1 - 329.9; Greenstone. 331.3 - 2" greenstone.
328.5 - 332.5; Fair Zn. in chert sections, sparse Cu.
341.5 - 343.2; Fair blebs of Cu., poor Zn. (Cu. 0.4% ±)
354.0 - 357.0; A little fine Zn. and Cu.
361.5 - A little finely disseminated Zn. and fine fractures containing Cu. and Zn.
Contact at 20 deg. to core.

361.5 - 375.5 Basic dike ? Very fine grained dark rock. A little finely disseminated sphalerite, chalcopyrite and pyrrhotite. Odd stringers and blebs of chalcopyrite and sphalerite. 1½" pegmatitic stringer of calcite at 371' with blebs of Cu. and Zn.

375.5 - 400.0 Graphitic argillite and chert with some pyrite cubes. Black, hard. A little intrusive grey rock with large pyrite cubes.
390.0 - 395.0 Mainly grey intrusive rock with large pyrite cubes. Some chert.

400.0 - 426.0 Chert. Grey, fairly massive. Scattered chalcopyrite and sphalerite.
408.3; ¼" chalco stringer.
408.5 - 409.0; Greenstone.
419.0 - 420.7; Calcite vein with large blebs of sphalerite.

426.0 - 430.8 Greenstone.

Shunsby Mines Ltd. Sultan, Ont. Page 1 Hole No. 92

Lat. 10,735.52 Started July 28/61
Dep. 9,012.18 Completed Aug. 2/61
Elev. 9,997.86 Dip Vertical Depth 536 Feet.

0.0 - 24.0 Casing.

24.0 - 173.0 Andesite. Medium to coarse grained, medium green colour with a few rounded inclusions of fine grained green rock generally to ½". A few carbonate stringers. Local variations in texture.
Flow contacts at 129' and 141' @ 35 deg. to core.
163.0 - 165.0; Core badly broken.
167.0 - 173.0; Fine grained.

173.0 - 176.8 Chert. Quite massive, grey, with a few pyrite grains.

176.8 - 219.0 Andesite ? Medium grained, green. Slight variations in texture.
Slightly porphyritic in some sections with small (1/8") feldspar phenocrysts.
Flow contacts at 179' and 204' @ 35 deg. to core.
Odd quartz carbonate stringers.

219.0 - 245.3 Chert. Fairly massive, light to dark green. Slightly brecciated in spots.
Some pyrrhotite and pyrite. Slight Cu. and Zn.
3" zone at 221.4 with considerable very fine magnetite. Appears to be intruded into chert.
1" stringer of magnetite at 222.5!
224.1 - 224.6; Mainly fine grained magnetite.
2" basic intrusus stringers cutting core at low angle with a little pyrite.
234.2 - 234.8; Massive pyrrhotite stringer with slight pyrite cutting nearly parallel to core.
235.6 1" pyrrhotite and pyrite stringer @ 40 deg. to core.
241.0 - 245.3; Pyrrhotite with some Cu, Zn, & Pb. in fine fractures.

245.3 - 282.5 Tuff or flow. Light green to buff coloured, fine to medium grained. Some zones with a few quartz grains. Some zones porphyritic with small (to 1/8") light coloured 'phenocrysts' or inclusions.
278.5 - 280.0; Andesite.

282.5 - 386.0 Andesite. Medium green colour, medium grained with some fine grained sections and odd zone with coarse grained porphyritic texture.

386.0 - 392.0 Black chert with some pyrite. A little graphitic. Core angld 80 deg.

392.0 - 396.0 Dike. Grey, medium grained soft rock with some pyrite cubes. Chert inclusions.

396.0 - 412.0 Chert, grey, massive with some pyrite and pyrrhotite.
407.0 - 412.0; Minor Cu. and Zn. in very fine fractures.

412.0 - 446.0 Diorite. Medium grained, grey-green ~~colour~~ rock. Soft, uniform texture.
Contact 445 - 446' at low angle. Fine grained near contact.

446.0 - 491.0 Massive grey chert. Sparse sulphides. A little greenstone.
452.0 - 453.0; Greenstone.
446.0 - 462.0; Barren.
462.0 - 478.0; Odd bleb of Cu. and Zn.
Best section 462 - 468.
476 - 478.

491.0 - 504.0 Graphitic chert with some pyrite.

504.0 - 536.0 Diortie. Grey, becoming green, fairly uniform fine to medium grained, crystallization indistinct.

END OF HOLE.

Holes Nos. 84 to 92 inclusive, were drilled by J. P. Sheridan of 121 Richmond Street, West and the Core was logged by Mining Engineer, Dan Crossley of R. R. # 3, King, Ontario.

OVER FOR MORE ASSAYS

SAMPLE ANAL	Sample No.	Sample Wide	% CU.	% ZN.
462.0 - 468.0	[illegible]	6.0	0.54	1.10

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Limited
Claim No. S. 34947

HOLE NO. 93

Sheet No. 1

Section from 0.0' to 162.4'

Started: September 16, 1965

Latitude: 8+00 N } North
Departure: 3+20 W } Grid

Bearing N 80 E

Completed September 17, 1965

Ultimate Depth: 162 ft.

Elevation: -

Dip: - 45°

Proposed Depth: 150 Ft.

Depth Feet	Description	No. of Sample	Width of Sample	Cu	Zn
0.0 - 17.0	Casing				
17.0 - 19.9	Chert, py, a little sphal.& cpy.locally B'ccd.	MS 1	3.0'	0.10	0.6
19.9 - 21.1	Diorite, a little cubic pyrite	MS 2	8.5'	0.06	0.27
21.1 - 27.3	Greenstone, variable, some sections w/sphal-gal. but possibly misplaced core ?				
27.3 - 28.5	Lost core (1.2') ~~~ ?				
28.5 - 29.1	Argillite fractured, carb.veinlets. A little cpy. sphal. & py. in fractures	MS 3	10.5'	0.08	2.89
29.1 - 34.0	Chert, dark, B'ccd.,locally with much sphal.& some cpy.				
34.0 - 35.00	Lost core ~~~ ?				
35.0 - 35.8	Diorite,dark, badly broken (some misplaced core?) 35.7 - 35.8 fair sphal. - gal.assoc.w/fracts.				
35.8 - 52.0	Argillite (?Tuffs) f/gr, some pyrr. dissem., py. in bands, traces of other sulphides.	MS 4	13.0'	0.10	0.65
52.0 - 97.8	Chert, argillite phases, locally banded sections sphal.-gal. min. along fracts. locally dissem. sphal.-gal. esp. in dark mottled zones (?B'ccd, altered) a little cpy. 72.7-97.8 massive, l/col.chert, little min. but some veinlets of sulphides	MS 5 MS 6 MS 7 MS 8 MS 9	10.0' 10.0' 10.0' 10.0' 8.7'	0.02 0.06 0.19 0.01 0.02	0.3 0.71 0.16 0.08 0.44
97.8 - 100.7	Greenstone (?f/gr diorite) a little py.	MS 10	6.5'	0.23	2.84
100.7 - 101.6	Chert,massive, well-min'd along 4 separate veins with sphal.-gal.				
101.6 - 103.5	Argillite banded py., some sphal.-gal. in cross-cutting veinlets				
103.5 - 106.9	Chert, mainly dark, local sphal.-gal. 104.3 - 105.8 good sphal.-gal., some cpy. @ 104.4 cpy. vein of ¼".				

DIAMOND DRILL RECORD

SHEET No. 2 HOLE NO. 93 contd.

	Depth Feet	Description	No. of Sample	Width of Sample	Cu	Zn
A	106.9 - 115.8	Argillite normal py. min. A little sphal.-gal. & cpy. assoc. with fracts.	MS 11	8.6	0.06	0.71
C	115.8 - 123.4	Chert with diorite phases, chert locally mind'd. with sphal.	MS 12	8.0'	0.08	0.38
A	123.4 - 132.8	Argillite normal py., a little assoc. cpy.	MS 13	11.0'	0.05	0.44
C	132.8 - 133.9	Chert, sphal. min. in centre section	107.2-134.8	27.6	0.06	0.50
A	133.9 - 134.6	Argillite, py. min.				
	134.6 - 162.0	Diorite, f/gr with a little pyrite, changing very little throughout section. A few qtz. veinlets with py. and pyrr. 145.4 - 145.7 silic. zone, dissem. sphal.-gal.				
	@ 162.0	END OF HOLE				

Dip Test -43° (corrected)
(at 162.0')

Casing pulled

Drilled by: Continental Diamond Drilling Co. Ltd.

E. Menard, foreman

sgd. Geo. Checklin, geologist

P.S.

110.0 - 125.0	Sludge (sample) covering part of chert, mineralized with sphal./gal. in which section there was a lot of lost core	MS 18	15.0'	0.08	0.44

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Limited — Hole No. 94

Sheet No. 1 — Section from 0.0 to 415.6 — Started September 18, 1965

Latitude: 8 + 00 N) North Grid — Datum -
Departure: 8 + 00 W) — Bearing -

Completed: September 21, 1965

Elevation - — Dip: - 90°

Ultimate Depth :466.0'
Proposed Depth -

Depth Feet	Description	No. of Sample	Width of Sample	Cu	Pb	Zn
0.0 - 7.0	Casing, coring started at 3.9'					
3.9 - 22.0	Diorite (?), variable locally a little py. & cpy. mafics.locally absent.					
22.0 - 86.8	Basic or ultrabasic intr.(?), c/gr.&becoming incr.baic, sections with buff to pink "skeletal"crystals (not identified) carb. veinlets.					
86.8 - 96.4	Basic intr. or Diorite f/gr					
96.4 - 139.8	Basic or ultrabasic intr.(?), as before, spots of magnetite. some py. & cpy.					
139.8 - 165.5	Diorite, better den. of feldspars,lighter in colour					
165.5 - 329.8	Greenstone (volcs.) f/gr.variously silic.locally bdcd., locally amyg.flow tops. dk.& light zones 242.3 - 243.5 int.intr. 247.5 - 248.5 " "					
329.8 - 331.7	Chert. with B'ccd.zone.					
331.7 - 332.0	Greenstone					
332.0 - 332.7	Cherty Band, B'ccd.					
332.7 - 334.1	Greenstone					
334.1 - 335.8	Chert, black, f/gr.					
335.8 - 337/9	Diorite intr. with cpy.& sphal.(assoc.with vein) & galena disseм. in diorite	MS 14	9.5'	0.08	-	0.82

DIAMOND DRILL RECORD

Sheet No. 2 — Consolidated Shunsby Mines Limited — HOLE NO. 94 (contd.)

Depth Feet	Description	No. of Sample	Width of Sample	Cu	Pb	Zn
337.9 - 345.8	Chert.(Argillite w/cherty bands) locally graphitic. Py (cubic)dissem. A little cpy. & sphal.-gal. in veinlets & a little galena in slip faces	MS 15 345.1 350.8	5.1'	0.13	0.81	3.00
345.8 - 350.3	Chert. B'ccd.,w/py.,good sphal. some cpy. 346.2 - 347.3 richest py. sphal.,cpy zone. 349.0 - 350.3 good sphal. section, some cpy.					
350.3 - 350.6	Chert, black (argillite)	MS 16	10.0'	0.04	-	0.22
350.6 - 382.1	Chert, variable, baded, a little cpy. & a little sphal. in sups. local darker sections, banded with pyrite, sphal.cpy.locally	MS 17	11.0'	0.08	-	0.71
382.1 - 401.8	Chert (free qtz.?)initially w/some veinlets of sphal.& cpy.then apparently barren.					
401.8 - 402.3	Diorite intr. with a little sphal.dissem.					
402.3 - 415.6	Chert, banded,mainly barren, a little py.locally					
415.6 - 425.9	Chert (cherty argillite) graphitic slips.					
425.9 - 466.0	Diorite, f/gr. homog. qtz.& carb.veins (FINER GRAINED THAN USUAL) (WH)					
@ 466.0	END OF HOLE					
@ 450.0	Dip Test - corrected value -84°					
	Casing pulled.					

Drilled by: Continental Diamond Drilling Co. Ltd.
E. Menard, foreman

sgd. Geo. Checklin, geologist

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Limited — HOLE NO. #95 (11 A)

Sheet No. 1 — Section from 0.0 to 345.0 — Started: September 26, 1965

Latitude: 11 + 35 N) North — Completed: September 29, 1965

Departure: 5 + 60 W) Grid — Bearing: N 80 E — Ultimate Depth: 345 '

Dip: - 45° — Proposed Epth: 275 '

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 6.0	Casing					
6.0 - 62.0	Chert, variable, much alteration (dirty grey), locally B'ced, pyrr.with assoc.cpy, some py.& dissem.sphal. local.					
62.0 - 72.5	Diorite (?) Intr. 2nd contact @ 45°, some chert.					
72.5 - 282.3	Diorite, dark, some variation in colour & grain size spots of cpy. locally Fault 219.0 - 219.2 fault gouge @ 25° to core rock on both sides seems to be the same.	MS 20	20.0	0.09		
282.3 - 315.0	Chert. variable, locally banded at 55£, locally B'ccd. phy/pyrr.min., with some sphal./gal.& cpy. 298.5 - 299.8 Black Chert. Fault 299.9 - 304.6 Lost core (4.8') (Fault?) 304.6 - 305.3 Black chert, graphite Slips From 305.3 pyrite is main min.very little cpy.	MS 21 MS 22 MS 23 MS 24	10.0 6.3 6.4 10.0	0.47 0.29 0.18 0.31	0.30	0.9 0.3
315.0 - 345.0	Diorite f/gr, grey, soft, with a little cpy. here and there, variable, veined with carb.					
@ 345.0	END OF HOLE					

Drilled by Continental Diamond Drilling Co. Ltd.
E. Menard, foreman

sgd. Geo. Checklin,
Geologist

c

dyke

would this be Fr. V ?

d

c

Fault

dig?

perhaps hole did not reach FW d ?

Property: Consolidated Shunsby Mines Limited
Claim No. S.34947

HOLE No. 97 (12 + 25B)

Sheet No. 1 Section from 0.0 to 356.0' Started: October 3, 1965

Latitude: 12 + 60 N) North Grid
Departure: 5 + 34 W)

Completed: October 5, 1965

Ultimate Depth: 356'

Bearing - Dip: - 90° Proposed Depth: 500'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 9.0	Casing					
9.0 - 10.5	Greenstone (volcs) diorite?					
10.5 - 13.6	Chert, badly broken locally, py.min., with good cpy. in one section, plus a little sphal.	MS 37	3.1	0.51		0.[illegible]
13.6 - 59.0	Diorite (?) f/gr to c/gr locally some rounded felspar xx (phenocrysts)					
59.0 - 67.8	Diorite (?) intr. (felspar pyrphyry?) some rounded phenocrysts					
67.8 - 177.5	Diorite(?), contd., coarse, dark green, occ. felspar phens.					
177.5 - 187.5	Diorite(?)Intr., chlrite slips in shearing					
187.5 - 226.1	Greenstone (volc), variable, locally silic. fract.@ 40° locally much sulphide, incl. py., pyrr., cpy, sphal. 206.1 - 216.3 f/gr. pyrite, dk. green, pyrr. some dissem. sphal., some cpy. (may be intr.?)	MS 38	10.0'	0.22		
226.1 - 239.2	Chert, variable, with black sections, & locally banded, locally massive					
239.2 - 243.4	Diorite (?) or a flow?), soft, light-green, min. at end (4" of sphal.)					
243.4 - 283.3	Chert, as before, variable, banded, fractured, brecciated locally. A little py/pyrr. & some sphal. & a little cpy. in fractures, locally alt.					
283.3 - 285.5	Diorite(?), banded (sheared) at 85°					

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Limited
Claim No. S.34947

HOLE NO. 97 (12 + 25B)

Sheet 2. contd.

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
285.5 - 296.9	Chert, as before					
296.9 - 311.6	Diorite (?), soft, f/gr, with rounded Phenocrysts					
311.6 - 326.7	Chert, as before, black sections, with py., A little sphal. locally.					
326.7 - 328.0	Lost core					
328.0 - 356.0	Diorite, f/gr, grey, with No. visible mafics, soft, towards end, a little greener, not much coarser					
@ 356.0'	END OF HOLE					

Dip Test @ 350. Corrected value = -87°

Drilled by: Continental Dimmond Drilling Co. Ltd.
E. Menard, foreman

sgd. Geo. Checklin, geologist

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34947

HOLE No. 98 (12+25A)

Sheet No. 1

Section From 0.0 to 159.0

Started: October 6, 1965
Completed October 7, 1965

Latitude: 12+33 N) North
Departure 2+75W) Grid

Bearing S.80E

Ultimate Depth: 159'

Dip -45 °

Proposed Depth: 150'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 7.0	Casing - coring started at 7.0'					
7.0 - 32.8	Greenstone(volcs)f/gr,lt.green to grey locally amyg. 25.2 - 26.6 Diorite(?) Intr. 31.3 - 31.8 Chert, with some py.& cpy.					
32.8 - 45.3	Chert,massive to badded,locally fractd.& B'cc'd.					
45.3 - 51.9	Greenstone (volcs.),L/green to dark green 47.5 - 51.9 dk.green, dense, with much py.& generally a little dissem. sphal.& some streaks of cpy.					
51.9 - 57.1	Felspar porphyry(?) grey, fine-grained phens.not well developed.					
57.1 - 118.2	Chert, variable,locally broken by irreg.zones of alt.with pyrite present.locally massive with a little sulphide material.Locally banded (usually barren) some sphal./gal.& cpy.locall.Diorite etc.intrusions. 100.8 - 103.3 short section of best cpy.& sphal.	MS 39 MS 40	41.5-73.5 12.0' 100.8-103.3 2.5'	.26 1.71		.6 2.9
118.2 - 120.3	Diorite, variable					
120.3 - 121.8	Felspar Porphyry F/Gr., grey					
121.8 - 159.0	Diorite, variable, F/Gr. to coarse					

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

Hole No. 100 (19A

Sheet No. 1 Section From 0.0 to 249.0

Started: October 13, 1965

Latitude: 19+00 N) North
Departure: 3+65W) Grid

Bearing: Due East
Dip: - 45°

Completed: October 15, 1965

Ultimate Depth: 249 '

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 8.0	Casing, coring startedat 6.3'					
6.3 - 21.2	Diorite ?Intr., F/gr.					
21.2 - 51.2	Chert, locally massive or brecciated or altered pyrr., some py. towards end. Various amounts of sphal. some gal. & a little cpy. locally	MS 41	11.0	0.07	.35	
51.2 - 52.1	Diorite ?Intr., B'ccd. contact					
52.1 - 63.0	Chert, with a little sphal. locally					
63.0 - 70.6	Diorite					
70.6 - 100.6	Chert, massive, locally alt., locally B'ccd. mainly py. with a little sphal.					
100.6 - 107.4	Lamprophyre Dike, F/gr., pinkish (felspar) with biotite					
107.4 - 108.7	Chert, massive, with a little py.					
108.7 - 114.0	Diorite Intr.					
114.0 - 117.1	Chert, massive, fract., with a little py.					
117.1 - 125.7	Diorite Intr., F/gr., a little dissem. pyrite					
125.7 - 141.5	Chert, sparse sphal. locally very little cpy. several specks of galena					
141.5 - 147.6	Diorite Intr., F/Gr., grey, some py. & pyrr. near contacts, some fragments of Chert & Fractures in early part.					
147.6 - 162.1	Chert, black in beginning, then changing to light-coloured matl., main min. is pyrr., a little py. towards end, has progressively more included diorite material, so that rock is a chert B'cc. with diorite filling.					
162.1 - 249.0	Diorite, variable, coarse-to med/gr. local. pink-purple unident. XX, locally veined.					
@ 249'	END OF HOLE					

Dip test @ 240' Uncorrected -53°
Corrected -45°

Drilled by: Continental Diamond Drilling Co. Ltd.
E. Menard, Foreman

sgd. Geo. Checklin, geologist

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd. HOLE NO. 101 (22A)
Claim No. S.34944

Sheet No. 1 Started: October 16, 1965

Latitude: 21+65 N) North Section from 0.0 to 448' Completed: October 19, 1965

Departure: 3+00 W) Grid Bearing: S 80 E Ultimate Depth: 448.0'

Dip - 45°

NOTE: "Diorite" as used in this log is doubtful; in part it may be greenstone (volcanics) - F.R.Joubin

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	
0.0 - 11.0	Casing, coring started at 9.8'					
9.8 - 23.4	Diorite, Dk.Green, coarse, a little pyrite					
23.4 - 27.8	Lamprophyre Dike, f/gr, locally pinkish, biotite					
27.8 - 160.1	Diorite, Dk.green, coarse, with some f/gr phases unidentified pink-purple mineral. Carb.veinlets					
160.1 - 186.4	Diorite Intr., several phases					
186.4 - 204.0	Chert, massive, bluish, fractured, scattered specks & threads of sphal., py/pyrr.cones	MS 42 MS 43	10.0' 9.0'		0.20 0.33	C. C.
204.0 - 231.3	Diorite Intr., Oddly granular, much altered along zones to light green-grey areas, locally sheared					
231.3 - 234.6	"Grey Diorite", Felspar-rich, not porphyritic, granular (volcs)					
234.6 - 239.1	Chert, bluish, fractured, some intr.diorite, with general (locally good) sphal.min.& a little pyrite	MS 44	4.5'			C
239.1 - 240.6	Diorite Intr., light-green, locally sheared @ 50°					
240.6 - 243.3	"Grey Diorite", not porphyritic (volcs.?)					
243.3 - 245.2	Diorite Intr. alt.light-green, with incl. Chert(?) fragments, altered (soft)					
245.2 - 257.2	Chert fractured & locally B'ccd(w/incl.Diorite mater. some good sphal/gal.locally, one veinlet of cpy.	MS 45	12.0'			C
257.2 - 268.9	Diorite Intr., Chert fragments, distortion of Chert.					
268.9 - 281.3	Chert, with diorite material (?) intruded, py/pyrr. min. locally black or dark					

Sheet: 2

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

HOLE NO. 101 (22A) contd.

Depth Feet	Description	Sample Np.	Width of Sample	Cu	Pb
282.6 - 283.8	Chert, black, with pyrite				
283.8 - 285.8	Diorite Intr.				
285.8 - 288.2	Chert, black				
288.2 - 289.3	Diorite Intr.				
289.3 - 290.1	Chert, black				
290.1 - 292.0	Lost core				
292.0 - 308.1	Felspar Porphyry 292.0 - 293.3 Chert, black				
308.1 - 312.6	Diorite (?)Intr., with cherty inclusions. A little py.locally				
312.6 - 315.0	Chert, black to dark w/pyrite & qtz.threads at all angles.				
315.0 - 318.0	"Grey Diorite" f/gr,felspar-rich, no phenocrysts, 317.4 - 318.0 Brecciated (reticulate fashion)				
318.0 - 322.1	Chert,light-col'd in beginning,becoming black, pyrite				
322.1 - 327.1	Diorite Intr.with cherty incl.& zones				
327.1 - 329.9	Chert, black with py.				
329.9 - 331.8	Complex of Chert & Diorite				
331.8 - 334.4	Chert, black (incl.1.9' lost core)				
334.4 - 339.0	Diorite Intr.				
339.0 - 343.3	Felspar Purphyry, coarse				
343.3 - 350.7	Diorite (?)Intr., py. at 1st contact. Cherty veins with assoc. pyrite (?Intrusions?)				
350.7 - 353.0	Chert, black				
353.0 - 448.0	Diorite (?), f/gr.,later coarser, grey or brown rock not green. Contains inclusions of (?altered chert as if it has "digested" the chert. These inclusions are soft. Local inclusions of darker (?chert) material. @ 403.5 start of generally coarser matl.				
@ 448.0'	END OF HOLE				

Dip Test @ 400' Uncorrected -56°
corrected -49°

Drilled by: Continental Diamond Drilling Co. Ltd.
E. Menard, foreman

sgd. Geo. Checklin, geologist

DIAMOND DRILL RECORD

HOLE NO. 102 (8C)

Property: Consolidated Shunsby Mines Limited
Claim No. S.34947

Sheet No. 1

Started: October 24, 1965

Latitude: 8 + 00 N) North
Departure: 10 + 50 W) Grid

Completed: October 28, 1965

Dip - 90°

Ultimate Depth 645.5'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 7.0	Casing					
7.0 - 51.3	"Diorite" rather dk-green, coarse, purple-pink, unident. crystals, Atfirst and later finer-grained, possibly silicified					
51.3 - 68.2	Chert, some included Diorite (?) material, massive, though fractured py/pyrr & locally a little sphal. traces of cpy. assoc. with py.	MS 48 59.0-60.0'	6.0'		Pb?	
68.2 - 111.0	Greenstone, dk., f/gr in beginning, variable cherty band locally. Veining locally w/carb. locally altered. Sparse sphal.& cpy. py/pyrr.	MS 49 106.5-111.5	5.5'	0.11		0.66
111.0 - 118.0	Chert - contact zone, chert with much basic material, py/pyrr. min., locally rich with minor sphal.					
118.0 - 228.8	Chert & Chert Breccia, py/pyrr.min, with local galena, sphal.& cpy. included basic (?) material usually altered to drab grey matl. 194.6 - 196.0 section w/fairly massive sulphides 194.9 - 196.0 diorite(?)intr. with a 0.4' section of massive sphal/gal.	MS 50 194.6-199.6	5.0'	0.20	4.85	2.5
228.8 - 291.5	Greenstone, (Amygdaloidal lavas), soft, variable, light-green alt. (areas are harder than darker zones) a little py.min. locally assoc. with silic. traces of sphal. locally.					
291.5 - 320.6	Chert, massive, bluish, some B'ccn. A little py/pyrr. min. local py-rich areas. A little sphal. assoc. with fractures, traces of gal.& cpy.	MS 51 315.2 - 318.8	3.6'		10.12	
320.6 - 417.8	Greenstone, variable, amygdaloidal to massive 417.7 - 417.8 cpy.& gal. at contact					
417.8 - 487.8	Chert & Chert Breccia ("exxplosive Breccia?") chert complex woth tuffs? pyrr. as well as py. locally replaced with sphal./gal. several sections of material with sphal/gal/cpy., all to short & isolated to warrant sampling.					
487.8 - 503.8	Diorite(?)Intr., fine matte of felspar crystals f/gr at contact, a little coarser in middle					

yes dig?

5' - 4.8% Pb

10.12% Pb.

4.85% Pb

10.12% Pb

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34947

HOLE NO. 102 (8c) contd.

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
503.8 - 507.8	Chert, black with pyrite					
507.8 - 558.2	Chert, banded @ 40° - 50° minor sphal.& cpy. local B'ccn.					
558.2 - 567.9	Chert, dk., soon becoming black, hard, with py/pyrr. graphite in slips.					
567.9 - 569.1	"Felspar-Porphyry" , very fine grained.					
569.1 - 595.8	Chert, mainly black, as before with pyrite, carb. & qtz./carb.veins locally					
595.8 - 598.4	Diorite (?) f/gr. with py. and contact zone					
598.4 - 599.5	Lost core at possible contact					
599.5 - 645.5	Diorite (?) f/gr, very little change in grain size					
@ 645.5	END OF HOLE					

Dip Test at 620' uncorrected 82°
corrected 80°

Drilled by: Continental Diamond Drilling Co. Ltd.
E. Menard, foreman

sgd. Geo. Checklin, geologist

CONSOLIDATED SHUNSBI MINES LTD.
Claim No. S.34944

DIAMOND DRILL RECORD

HOLE NO. 103 (Seigel # 5)

Sheet No. 1

Section from: 0.0 to 499.5

Started: October 30, 1965

Latitude: 16 + 10 N) North

Bearing: N 80 E

Completed: November 4, 1965

Departure: 13 + 89 W) Grid

Dip - 35°

Ultimate Depth: 499.5

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 11.0	Casing					
11.0 - 17.0	Greenstone (grey-blue volcs.or seds.),pyrite locally					
17.0 - 25.1	Chert, mainly black, py. min.,locally fair banded at 65°					
25.1 - 36.0	Greenstone,(grey-blue volcs.or seds.)alt. & faint @ 55°					
36.0 - 40.2	Complex of Chert & Greenstone (grey-blue volcs) ?silicified volcs.					
40.2 - 42.1	Chert, black, with py/pyrr.& a very little cpy. assoc.with the pyrr.					
42.1 - 62.2	Greenstone (grey-blue volcs?) f/gr cherty sections					
62.2 - 246.1	Chert, variable,locally banded @ 60° mainly dark to 108.5, thereafter lighter in colour,locally B'ccd.with bands of pyrr.locally greenish alt'd.some py, but most min. is pyrr.traces of sphal.only. 87.9 - 108.1 black, banded @ 55°					
246.1 - 250.1	Lamprophyre dike, f/gr,dk.with biotite,2nd contact @ 70° pyrite in chert nearby.					
250.1 - 330.4	Chert, variable as before. Massive locally, some silic. volcs. matl.incl. some black chert. 321.6 - 322.8 Diorite intr., f/gr 324.3 - 326.2 " " pyrite					
330.4 - 344.7	Diorite Intr., f/gr.at contacts,contacts at 35°					
344.7 - 355.6	Chert locally black, locally B'ccd. 345.6 - 347.0 Diorite Intr.					
355.6 - 365.7	Diorite Intr.streaky white min. (not carb.apparently) Aligned @ 35° in most of it, f/gr contacts.					
365.7 - 399.5	Chert, mainly black, banded @ 45°, pyrr. min with traces of cpy. in it locally fragments of light/col. chert, also fractured bands of it here and there.					
399.5 - 400.3	Felspar Porphyry, f/gr, qtz."eyes".					
400.3 - 499.5	Chert, mainly l/col. with irregular bands of pyrr. (some py. with it), much B'ccn. and fracturing. Numerous intrusives. Some with Fragments of Chert in them. Altered (greenish) zones.					

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

HOLE NO. 103 (Seigel # 5)
cpntd.

Sheet 2.

Depth Feet	Description	No.of Sample	Width of Sample	Cu	Pb	Zn
	407.0 - 462.0 Patchy sphal.min. throughout & locally a little cpy. some of sphal. is locally rich, but these sections are not wide	MS 52 435.8-435.3	9.5'			2.0
		435.3-436.3 MS 53	3.0'	0.12		4.0
		MS 54 441.0-450.0	9.0'		1.73	1.1
		MS 55 454.2-460.4	3.5'		1.77	1.
	408.0 - 409.7 Diorite intr.					
	412.5 - 413.3 " " f/gr pyrite					
	415.1 - 415.5 " " chert frag.s					
	430.2 - 431.0 " " altered					
	432.4 - 434.0 " " "					
	440.0 - 441.0 " " into, B'ccd.Chert					
	460.4 - 461.7 " "					
@ 499.5	END OF HOLE					

Dip Test @ 490.0 Uncorrected - 50°
corrected - 42°

Drilled by: Continental Diamond Drilling Co. Ltd.

E. Menard, foreman

sgd. Geo. Checklin, geologist

18
12
12 | 30
2.5

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Limited
Claim No. S.34947

HOLE No. 104 (12+25D)

Sheet No. 1 | Section from: 0.0 to 908.0' | Started: November 5, 1965

Latitude: 12+36 N } North Grid | Bearing: - | Completed: November 19,1965

Departure: 11+30 W } North Grid | Dip: - 90 ° | Ultimate Depth: 908.0'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 11.0	Casing					
11.0 - 20.5	Chert (some diorite material intr.(?) into it) py/pyrr. min, sometimes banded. Traces of Cpy.& sphal.(factures)					
20.5 - 28.7	Diorite Intr. fragments of chert in matrixx f/gr.py (cubic) A few specks of sphal. in 1st part. 1st contact at 40° 2nd contact b'ccd.					
28.7 - 117.4	Chert, banded, locally b'ccd. some dark green basic matl. (intr.?) py/pyy bands, often assoc with basic matl. Light-col'd chert,locally darker,fractured, spotty & sphal.locally. Traces of cpy. assoc.with pyrr. 39.8 - 40.3 basic intr.(?) 41.4 - 42.4 fair sphalerite 56.4 - 58.0 much pyrr.woth good cpy.locally					
117.4 - 139.3	Lamprophyre (?) Dike granular, bright green Hb.(?) white felspars & pink (?) felspars. Phenocrysts of green Hb.except for f/gr contacts,very homogeneous.					
139.3 - 214.0	Chert b'ccd. locally, more massive locally, locally black or dark pyrr. some py. Traces only of cpy.& sphal. 139.3 - 154.6 B'ccd.& with much black matl.as matrix.pyrr. @ 154.6 start of more massive matl.rather sparse py/pyrr. very little black material 174.7 - 175.7 diorite intr. 175.7 - 213.9 generally massive chert with local B'ccn. pyrr.is main min., some py. very little cpy.assoc. with pyrr.sphal.traces 213.9 - 214.0 massive pyrite, some pyrr. Traces of cpy. @ contact with diorite. B'ccd.large xx of pyrite					
214.0 - 216.4	Diorite Intr. remnants of chert, contacts, 75°/55°					
216.4 - 291.4	Chert,black with grey sections,banded @ 50°.Py.bands with very little cpy. Sections of massive sulphides,mainly py/pyrr. local B'ccn. 270.1 - 271.3 Diorite Intr.					
291.4 - 294.1	Diorite Intr. 2nd contact @ 45° with ½" massive py.					

Property: Consolidated Shunsby Mines Limited
Claim No. S.34947

HOLE No. 104 (12+25D)
contd.

Sheet No. 3

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
762.3 - 764.0	Chert, dk., streaky, with py., fragmented, some of fragments gray cpy. A little dissem. sphal. locally.					
764.0 - 769.8	Diorite Intr. 1st contact fractured, much lost core which may or may not all be from this rock (3.9' lost core)					
769.8 - 770.8	Chert, black, with streaky pyrite & some cpy. with it. Graphite slips.					
770.8 - 771.5	Diorite Intr.					
771.5 - 773.8	Chert, variable, dark, pyrite in streaks with a very little cpy. with the pyrite, local sphal. much broken core (possibly includes some diorite intr.)					
773.8 - 778.0	Lost Core (4.2')					
778.0 - 789.2	Chert variable, light & dark sections, with one narrow diorite intrusion, good cpy. locally, py. min., rather sparse					
	779.3 - 779.7 Diorite Intr.					
	SAMPLE 778.0 - 783.2	MS 57	5.2'	0.12		
	783.3 - 783.9 Cpy.-rich zone					
	783.9 - 789.2 B'ccd., pyrite, some cpy.					
	SAMPLE 783.2 - 789.2	MS 58	6.0'	1.47		
789.2 - 790.0	Lost core (0.8') at contact					
790.0 - 791.8	Diorite (?) Intr. dk. with pyrr. & some cpy. 2nd contact at 10°					
791.8 - 795.7	Chert, dark, locally black, variously veined with calcite, banded @ 25° - 30°, dissem. py., locally a little cpy. & sphal.					
	SAMPLE 789.2 - 794.7 (includes 0.8' lost core)	MS 59	5.5'	0.15		
795.7 - 798.5	Diorite (?) Intr. porph. towards end					
798.5 - 825.8	Chert, massive & lighter-col. at first, later becoming darker & banded. Some sphal., several streaks & blebs of cpy. Pyrr. locally (& cpy. is assoc. with this) Latter part probably silic. tuffs etc.					
	SAMPLE 801.2 - 806.7	MS 60	5.5'	0.12		
	" 806.7 - 816.7 (incl. 1.1' lost core)	MS 61	10.0'	0.08		

Property: Consolidated Shunsby Mines Limited
Claim No. S.34 947

HOLE No. 104 (12+25D)
contd.

Sheet No. 4

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
825.8 - 830.2	Diorite (?)INtr. (slightpossibility that this is volcs) sheared @ 55°					
830.2 - 831.3	Chert,Dark, with cpy.in fractures locally					
831.3 - 832.2	Diorite Intr.,badly broken up					
832.2 - 833.2	Chert,black,locally soft,distorted,veined with pyrite & cpy. good cpy.locally					
833.2-835.1	Diorite Intr. towards end,fractured & w/thin cpy.veinlets 834.7 - 835.1 Diorite evidently intruded into B'ccd. chert,now altered,soft & with cpy.in fractures.					
835.1 - 839.2	Chert,dark,altered, soft (?some intr.diorite material) veined,some cpy.in fracts.&dissem. SAMPLE 830.2 - 839.2 (incl.1.9' lost core)	MS 62	9.0'	1.13		
839.2 - 842.9	Diorite Intr. 841.5 - 842.9 Light,greenish,with numerous qtz. veinlets & threads,evidently silicified, (but possibly a type of chert or volcs?)					
842.9 - 844.0	Chert Complex, light & dk.material with incl.qtz. veins. A Little cpy.in dark material					
844.0 - 847.0	Lost core (3.0') at contact					
847.0 - 849.2	Diorite f/gr					
849.2 - 855.7	Chert & Diorite Complexx,mainly black chert, with pyrite,locally with white chert frags.					
855.7 - 861.7	Diorite Intr., f/gr.homogeneous					
861.7 - 908.0	Diorite ("Digestive Diorite") coarser not homogenous but streaky, odd remnants of altered(?) chert. locally mottled, some dev.of pink/purple unidentified secondary(?) mineral (usually seen in diorite of other holes) 870.0 - 873.1 mottled 2nd contact sharp @ 15° (?intrusive) 890/6 - 891.2 Diorite intr.(?) (original?) 903.1 - 905.1 mottled,sharp contact @ 35°-40° (?intrusive)					

Drilled by: Continental Diamond Drilling Co. Ltd.
E. Menard, foreman

sgd. Geo. Checklin, geologist

DIAMOND DRILL RECORD

HOLE # 105 (11 D)

Property: Consolidated Shunsby Mines Ltd.
Sheet No. 1 Claim No. S.57536 Started: November 21,1965

Latitude: 11+ 00 N)North Grid Section From: 0.0 - 324.0 Completed : November 24,1965

Departure: 15 + 17 W) Bearing: East Dip -45° Ultimate Depth 324.'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 9.0	Casing					
9.0 - 23.6	Greenstone (Andesite)green, f/gr to med/gr to c/gr.					
23.6 - 26.2	Diorite (?) Intr. contact					
26.2 - 52.2	Greenstone (Andesite)variable as before, carb. & some qtz.in veinlets, green					
52.2 - 57.4	Chert, l/coloured,banded,locally softer, some included more basic material					
57.4 - 61.2	Greenstone(Andesite) carb.& qtz.veinlets					
61.2 - 67.3	Acid Dike, a little py., f/gr contacts					
67.3 - 75.9	Greenstone (Andesite) as before					
75.9 -145.3	Complex of Chert & Greenstone, variable, usually hard, with some softer darker sections,locally streaky, banded or massive, with cherty sections alternating with sections of greenstone, some of which is silicified,local py.& pyrr. 98.4 - 98.7 chert with py.traces of cpy.& gal. 125.0 - 126.3 banded black chert with py. 142.4 - 145.3 rel. unaltered G/S with a little py.& pyrr.					
145.3 - 282.2	Chert & Chert Breccia, B'cc mainly of "exclusive B'cc" type, l/col. of ten bluish, with pyrr.& py. in streaks & locally with very little cpy.assoc.with the pyrr. Local greenish-grey alteration, some dark matrix material, mainly in unaltered section 235.1 - 237.0 Diorite Intr.					
282.2 - 302.0	Lampropyre Dike,f/gr,bluish contacts,coarser & pinkxx in centre. Rocks seem to be mainly pink felspar (?) & hornblende. A little py.					
302.0 - 324.0	Chert & Chert Breccia, continues as before, with locally fair pyrr.in irregular streaks etc. as matrix					
@ 324.0	END OF HOLE					

Dip Test @ 310' - uncorrected 51°
corrected 43°

Drilled by Continental Diamond Drilling Co. Ltd.
E.Menard, foreman

signed: Geo. A. Checklin, geologist

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S. 57536

HOLE NO. 106 (11 E)

SHEET No. 1 Section from 0.0 to 1

Started: November 24,1965 (unfinished)

Latitude: 11 + 00 N } North Grid Dip: - 90°

Departure: 15 + 17 W }

Completed:

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 6.0	Casing					
6.0 - 24.8	Greenstone (Andesite) f/gr to m/gr.					
24.8 - 27.5	Diorite Intr. f/gr 2nd contact at 60°					
27.5 - 65.2	Greenstone (Andesite) f/gr.and coarser phases, streaks of pink unident.mineral, veinlets of carb.at all angles					
65.2 - 83.3	Complex of Greenstone & Chert, G/B, locally siliceous, & chert bands, alternating locally,much sore. A little py. locally					
83.3 - 86.6	Acid Dike, f/gr homogeneous					
86.6 - 123.0	Complex of Greenstone & Chert as before, py. and pyr. min. (with several bands of it)					
123.0 - 131.5	Chert, l/col, with much pyrr.in sections and a little cpy.assoc.with it (pyrr.forms matrix to B'ccd.chert)					
	SAMPLE 125.8 - 131.5	MS 64	5.7'		0.07	
131.5 - 149.0	Complex of Greenstone & Chert variable					
@ 149.0	Drill broke down - hole to be continued later.					

drilled by: Continental Diamdond Drilling Co.Ltd.

E.Menard, foreman

sgd. Geo. A. Checklin
geologist

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34947

HOLE No. D.D.H.#107 (12+25E)

Sheet No. 1 Section From 0.0 to 535

Started: Sunday, May 29,1966

Latitude: 12+31 N.) North
7 + 01 W) Grid

Dip: -90°

Completed: Friday, June 3,1966

Ultimate Depth: 535'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
0.0 - 4.0	Casing					
4.0 - 124.6	Diorite, coarse at first w/variations & becoming finer grained towards end; much chlrite, variable leucoxene, often zoned, tough, green, w/ local remnants of cherty material (semi-digested?); a little py. locally, usually assoc. with veinlets, quartz eyes usually present (?evidence of origin?) local cpy (not worth sampling) sections with good dev. of felted felspars, local (?remnant?) banding, lighter-coloured sections, esp. towards end ("Puddingstone")			TiO_2	Ni	
	SAMPLE: 78.0 - 83.0	MS 70	5.0'	.47	nil	
94.8 - 124.6	Contact Zone type with remnants of original(?) rocks					
124.6 - 190.7	Chert, generally massive at first, becoming b'ccd. (this type variable), a little sphal/gal. near 1st contact (not worth sampling), with sparse py. & pyrr. min. through the whole of the chert. Py. predom. at first, grad. giving way to pyrr. towards end. From 172.0 a little cpy. locally, assoc. w/better pyrr. lenses. Some Basic matl. as inclusions and dikes					
124.6 - 134.6	generally massive fractured					
134.6 - 190.7	B'ccd. zone, variable, local cremy alteration.					
137.0 - 137.5	Basic Dike					
172.4 - 190.7	mainly pyrr. min. w/local cpy.			Cu	Zn	
182.9 - 184.4	Basic dike					
	SAMPLES: 172.9 - 184.4	MS 65	11.5'	0.02		
	184.4 - 190.7	MS 66	6.3	0.06		

Property: Consolidated Shunsby Mines Limited
Claim No. 34947

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
~~xxxxxxxxxx~~						
190.7 -302.8	Greenstone, variable, locally amyg. light green to brownish grey, ~~local flow structures~~ f/gr. calcite veining locally some darker alteration of added material, often carrying py., min. is sparse py. local cherty material, b'ccd, often with py.					
	227.3 - 229.9 basic dike					
	from 273.7 irregular darker, harder, b'ccd. cherty material in blotches or veins, often with py.					
302.8 - 310.2	Basic Intrusive, a little py.					
310.2 - 486.5	Chert (?)(Tuffs) light to dark coloured, hard, consisting of fine breccias & f/gr. darker material & probably of tuffaceous origin. Graphitic slips in darker material, min. of pyrr (with traces of cpy) and/or py. Cpy. mainly in fractures. Some fine carb. veinlets.					
	310.2 - 312.2 chert bcc'd, small fragments dark matrix, pyrr. min. mainly.					
	312.2 - 314.5 Tuff, f/gr, greyish, pyrr. min.					
	314.5 - 317.1 cherty b'cc., fine fragments, with a few larger frags. in it.					
	317.1 - 364.0 Tuffs, dark, f/gr, hard, with much finely-disseminated sulphide (py, pyrr) in most of it. Locally a little cpy (not worth sampling) carb. threads					
	364.0 - 367.0 Cherty b'cc. finely dissem. py. pyrr. w/a little cpy. & less sphal. loc.					
	367.0 - 373.2 Homog., f/gr, dark, pyrr. min. with local cpy. esp. in slips					
	373.2 0 380.6 Homog., f/gr. locally fractured & with cherty veins, irreg., pyrr. min., w/ a little py., locally A fair amount of cpy. & sphal. in fractures, or assoc. with them & traces of Pb.					
	SAMPLE: 373.1 - 380.6 (incl. 0.6' lost core)	MS 67	7.5'	0.12	0.44	

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
380.6 - 389.4	Gen. more variable & banded (irregular banding) with lighter & darker-coloured areas. Cubic & vein py. with traces of cpy.& sphal. locally. 388.3 - 388.6 galena scale in slips					
389.4 - 403.2	Banded chert, mainly darker bands,w/ a trace of cpy. & sphal.assoc. with a little pyrr. & py.					
403.2 - 440.6	Lighter banded chert, with traces of cpy.& sphal.assoc. with a little pyrr.& py.					
440.6 - 443.9	Darker Chert (Tuffs?) with py. in blebs & veinlets & traces of sphal.& cpy. (not worth sampling) graphite slips.					
443.9 - 444.3	Basic Dike					
444.3 - 448.5	Massive & locally fract'd chert,locally bluish.					
448.5 - 450.5	Chert with pyrr.min. quite rich. Locally carries cpy. @ 448.7 1/8" veinlet of cpy. @ 75°					
	SAMPLE: 448.5 - 453.5 (incl.0.3' lost core)	MS 68	5.0'	0.14		
450.5 - 452.3	Bluish Chert with pyrite & greenish alt'n. 451.4 - 452.2 some sphal.& trace of gal.					
452.3 - 482.0	Generally dark chert w/banded py.in veins & blebs, etc.(irreg.& banded) rare specks of cpy. near beginning. From 469.7 numerous irreg.carb.veinlets (& some qtz.)in fractures at all angles. Mainly py.min. but traces of cpy.& sphal. assoc. with the veins.					
	SAMPLE: 469.7 - 479.7 (incl.0.9' lost core)	MS 69	10.0'	0.07		

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
	474.7 sphal. & cpy. in fracture 474.8 - 477.1 fissile matl.with graphite in slips in black chert etc.,parallel to core length 475.1 cpy. assoc.with carb. veinletxx 480.0 - 482.0 Lost core					
482.0 - 486.5	Chert, bluish with py.					
486.5 ± 491.9	Basic intrusive, grey, med/gr.					
491.5 - 491.9	several gal.patches assoc.with carb. vein matter at contact					
491.9 - 494.2	Chert, black, with py.,& graphite in slips					
494.2 - 497.0	Basic Intrusive, as before					
494.9 - 495.4	Diorite patch with py.					
497.0 - 535.0	Diorite, f/gr, variable in colour but gen. dull grey, with flecks of leucoxene, and with py. assoc. with carb. veins & blotches, small dull green mottled areas, traces of banding at 15°					
@ 535.0	END OF HOLE					

CASING PULLED TIP TEST AT 535' = 83°

Drilled by Continental Diamond Drilling Co.
Laurent Giroux, Foreman

signed: G. A. Checklin, B.Sc.
Geologist

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

Hole # 108 (14B)

Sheet No. 1 | Section From 0.0 - 779.0 | Started: Sunday, June 5, 1966

Latitude: 14 + 00 N) North
9 + 17 W) Grid

Dip: - 90°

Completed: Monday June 13,1966

Ultimate Depth 779'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pt
0.0 - 8.0	Casing					
8.0 - 41.4	Chert, massive with remnant b'ccn. to b'ccd. pyrr.min. with py. locally, cpy. with the pyrr.locally, often fair. A trace of sphal. Some dk. f/gr. mat'l between fragments of B'cc. (? tuffaceous)					
	SAMPLES: 8.0' - 17.5' (no lost core)	MS 71	9.5'	.07		
	17.5 - 27.5' (incl.0.8' lost core)	MS 72	10.0'	.03		
41.4 - 65.7	Lamprophyre Intr., with Hb.pink & white felspars, Pyrite locally, biotite-rich phases (intr.into Hb.phase)					
65.7 - 92.2	Chert massive & brecciated, as before					
	SAMPLE: 84.5 - 92.5' (0.1' lost core)	MS 73	8.0'	.17		
92.2 - 157.0	Chert & Tuff (?"Argillite") Complex, mainly black tuff(?) Banded at 45° - 50° etc. with pyrr.& py. & traces of cpy. with the pyrr.locally, variable silicification.					
	SAMPLES: 92.5 - 103.5 (0.6' lost core)	MS 74	11.0'	.04		
	103.5 - 115.5 (0.8' lost core)	MS 75	12.0'	.06		
	115.5 - 127.5 (no lost core)	MS 76	12.0'	.05		
	127.5 - 137.5 (no lost core)	MS 77	10.0'	.07		
	137.5 - 145.0 (0.5' lost core)	MS 78	7.5'	.07		
	145.0 - 157.0 (no lost core)	MS 79	12.0'	.07		
157.0 - 169.0	Basic Intrusive, f/gr, Leucoxene flecks					

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

HOLE No. 108 (14B)

SHEET: 2

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
169.0 - 442.1	Chert, B'ccd. for most part with fine B'cc.of green-cream (?Tuff) between larger frags.locally, elsewhere dk.indeterminate material in matrix, sparse min. of mainly pyrr.with a little py. traces of cpy.(rare) local sphal. A few dk. bands (Tuff?) with banded py.					
244.6 - 246.0	Basic intr.					
322.4 - 329.2	Cream matrix B'cc.with local sphal. in fracts. rather sparse pyrr/py.					
	SAMPLE: 324.4 - 329.4 (no lost core)	MS 80	5.0'		0.44	--
378.0 - 378.1	Basic intr.					
419.0 - 420.0	Tuff Band, banded @ 50° locally distorted and then with assoc.traces of cpy. Too short to sample					
442.1 - 559.2	Greenstone, locally amyg, first few ft.silicified. Some incl.chert (and this has py.in it locally) Local Py. & other suphides, latter apparently assoc.with cherty or qtz.matl. Zones of fracturing & veining locally.					
493.5 - 497.1	Zone with galena (assoc.with qtz.veins etc.)					
	SAMPLE: 493.0 - 498.0 (0.7' lost core)	MS 81	5.0'			0.09
559.2 - 565.8	Basic Intrusive					
565.8 - 590.0	Greenstone, as before, with sparse py.& cpy. assoc.with qtz.veins & patches.					
590.0 - 609.0	Chert, variable, incl.B'cc.with black matrix, banded tuffs ("Argillite") etc.					
590.0 - 599.6	B'cc.coarser material up hole,min.with pyrr.& other sulphides,especially alongside basic intr.					
590.4 - 592.0	Basic Intr.					

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

Hole No. 108 (14B)

Sheet No. 3

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
	SAMPLE: 590.0 - 603.0 (0.5' lost core)	MS 82	13.0'	0.07		
599.6 - 609.0	f/gr dk.tuff (?Argillite") with graph.slips, with a little cpy/sphal.in beginning,giving way to py. or pyrr. banding at 35° - 55° locally, esp.towards end, with py. in bands, also accomp.by some cpy.& sphal./gal.locally					
	SAMPLE: 603.0 - 609.0 (1.7' lost core)	MS 83	6.0'	0.12		
609.0 - 616.3	Greenstone, as before, with sparse cpy.assoc.with bluish (silic.?) veins & patches which are locally hard,locally soft.					
616.3 - 621.0	Basic Intrusive, dk.silic.(?) 2.5' of core lost					
621.0 - 623.3	Greenstone, locally cherty, fractures & silic.local.py.					
623.3 - 623.9	py.,pyrr.,sphal./gal.in distorted band.					
623.3 - 641.9	Felspar porphyry, fairly coarse, locally alt. along bands.					
641.9 - 655.3	Greenstone, as before					
655.3 - 660.5	Felspar porphyry mainly f/gr					
660.5 - 679.3	Greenstone, as before, locally cherty in streaks with sparse py. min.					
679.3 - 690.6	Chert, variable, py. min.other sulphides in fracts. locally					
679.7 - 682.3	Basic intr.					
685.0 - 689.3	" "					

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

Hole No. 108 (14B)

Sheet No. 3

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
	SAMPLE: 590.0 - 603.0 (0.5' lost core)	MS 82	13.0'	0.07		
599.6 - 609.0	f/gr dk.tuff (?Argillite") with graph.slips, with a little cpy/sphal.in beginning,giving way to py. or pyrr. banding at 35° - 55° locally, esp.towards end, with py. in bands, also accomp.by some cpy.& sphal./gal.locally					
	SAMPLE: 603.0 - 609.0 (1.7' lost core)	MS 83	6.0'	0.12		
609.0 - 616.3	Greenstone, as before, with sparse cpy.assoc.with bluish (silic.?) veins & patches which are locally hard,locally soft.					
616.3 - 621.0	Basic Intrusive, dk.silic.(?) 2.5' of core lost					
621.0 - 623.3	Greenstone, locally cherty, fractures & silic.local.py.					
623.3 - 623.9	py.,pyrr.,sphal./gal.in distorted band.					
623.3 - 641.9	Felspar porphyry, fairly coarse, locally alt. along bands.					
641.9 - 655.3	Greenstone, as before					
655.3 - 660.5	Felspar porphyry mainly f/gr					
660.5 - 679.3	Greenstone, as before, locally cherty in streaks with sparse py. min.					
679.3 - 690.6	Chert, variable, py.,min.other sulphides in fracts. locally					
679.7 - 682.3	Basic intr.					
685.0 - 689.3	" "					

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

Hole No. 108 (14 B)

Sheet No. 4

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
	689.3 - 690.6 Chert with dissem. sphal., (esp. near 1st contact) & some gal. in fracts. cpy.@ 2nd contact. Not long enough to sample.					
690.6 - 702.0	Greenstone, as before, & from 697.5 badly broken & with much lost core. Possibly some basic intr. and chert sections.					
702.0 - 710.0	Basic Intrusive, with some dissem. sphal. & gal. and a little gal. & a little cpy. badly broken core, possibly some greenstone included.					
	SAMPLE: 702.0 - 710.0 (Incl. 3.8' lost core)	MS 84	8.0'	0.07	0.98	
710.0 - 763.5	Chert, variable, at first, fluish, hard, w/dk. patches & well mineralized locally w/ cpy & sphal. local banding, local carb. veins, some fracts. in all directions. Gives way to soft & hard, dark blue, graphitic "Argillite" with pyrite in bands & nodules etc. & here there is much lost core.					
	SAMPLES: 710.0 - 716.0 (1.5' lost core)	MS 85	6.0'	0.67	1.09	
	716.0 - 723.0 (No lost core)	MS 86	7.0'	1.68	3.24	0.29
	723.0 - 733.0 (0.5' lost core)	MS 87	10.0'	1.16	1.09	0.07
	733.0 - 740.0 (No lost core)	MS 88	7.0'	0.32	0.60	
	SLUDE SAMPLES:- 740.0 - 745.0 (This covers 2.4' of lost core)	MS 89	5.0'	0.95	1.07	
	745.0 - 755.0 (6.9' lost core)	MS 90	10.0'	0.18	0.71	
	AVERAGE 710'-745'		35' (Thus 25?)	1.00	1.42	
763.5 - 779.0	Diorite, f/gr, variable, with a little py. assoc. with fractures & sphal/gal. near 1st contact. Some qtz. & carb. veins.					
	772.4 - 772.8 py.-rich zone (veins etc.) with trace of py.					

~710-755 Mineral in fsp. and qtz. Also a band of dk. Logged Jan 29/69

34.37 49.67 35

35) 49.67 (1.42

45

0.44 = 1.05% =

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

Hole No. 108 (14 B)

Sheet No. 5

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn
@ 779.0	END OF HOLE				

Dip Test at 700.0'

Uncorrected: 83°
Corrected: 81°

CASING PULLED

Drilled by: Continental Diamond Drilling Co. Ltd.

L. Giroux, Foreman

signed by: Geo. A. Check
B.Sc., geologist

Bottomed in feldspar-andesite porphyry. Pheno very tiny but numerous, W.H Jan 29/69

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

HOLE # 109 (14 C)

Sheet No. 1 | Section from 0.0 - 804' | Started: June 14, 1966

Latitude: 14+07N) North
Departure: 11+43W) Grid

Dip: - 90°

Completed: June 23, 1966

Ultimate Depth: 804'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	F
0.0 - 6.0	Casing					
6.0 - 152.8	Chert, variably B'ccd, min.mainly Pyrr. (w/some sparse cpy.assoc.) with py. mixed with pyrr.and locally dominant, zones of greenish-green tuff matrix to B'ccd,but elsewhere dk. (& carries more pyrr) local sphal. min. 56.0 - 77.0 sphal. in fracts. skimpy 79.0 - 87.0 incl.7' of lost core. driller reported hard rock all way & fragments left are cherty with pyrr.min.					
152.8 - 164.5	Basic Intr.(?), f/gr contact @ 55° generally f/gr. slightly coarser in centre section, slightly valuable & sheared @ 65° veined locally (possibly a flow?)					
164.5 - 174.4	Chert, rather massive, trace B'ccn, little sulphide (pyrr/py, trace cpy.) 165.5 - 165.9 a little sphal.& gal.locally					
174.4 - 193.1	Lamprophyre Hb-rich at top to Bi-rich at bottom, homog, f/gr contact, sk. green to grey, trace cpy.					
193.1 - 248.5	Chert, variable, massive with trace B'ccn.& mainly py.min.(some pyrr.)to B'ccd.banding locally, trace cpy. assoc.with pyrr. 204.7 - 205.2 sphal.trace cpy. in pyrr. band					
248.5 - 251.4	Lamprophyre, as above, Hb above, Bi below (chert B'ccn. at both contacts).					
251.4 - 286.5	Chert, much as before, B'ccd. locally, locally py-rich.					

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

Hole No. 109 (14 C)

Sheet: 2

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
286.5 - 330.0	"Chert", complex of blue-black "argillite" or dk. chert & tuffs (?) with some B'ccd. Chert, py & pyrr. min, traces of cpy/sphal, local shearing or banding					
	295.1 - 303.9 complex of "arg."cherty & f/gr. greenish tuff, with py.min.in bands & a section of massive pyrr.					
	303.9 - 310.8 grey tuff, frags.of mixed sizes, aligned at about 40°(vague).No.vis. py.Small white unident.crystals (?Leucoxene)					
	310.8 - 318.9 mainly banded greenish f/gr.tuff with local B'ccn.chert bands; variable hardness. Trace cpy/sphal.					
	318.9 - 330.0 "Argillite" with py.min.in bands @ various angles & irreg.					
330.0 - 615.3	Chert (& Chert B'cc) typically, chert B'cc with f/gr.cream cherty (tuff?) filling interspaces. Min.near first contact, with sphal & a little cpy, other traces of cpy & sphal.local darker patches of matrix,local silic."argillite", & graphite slips, with interbanded tuffs, pyrr., locally massive, some py.					
	450.5 - 469.5 "argillite" & tuffs,inter-banded, "argillite" silic.py.& a little cpy.					
615.3 - 630.0	Felspar porphyry, both contacts at 55°					
630.0 - 698.7	Chert, as before					
	651.1 - 655.9 f/gr."Arg" & coarser grey tuffs py. w/"arg."					
	682.6 - 682.7 sphal./gal.vein					
	687.5 - 692.8 zone of min.,mainly sphal./gal.trace cpy.some massive sphal./gal,but mainly sparse					
	688.2 - 689.6 massive sphal/gal.some cpy.					
	690.5 - 690.6 " " "					
	SAMPLE: 687.5 - 692.5 (no lost core)	M8 91	5.0	0.08	0.09	t.

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

Hole No. 109 (14 C)

Sheet: 3

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
698.7 - 710.2	Greenstone, amyg, typical g/s but very narrow section, & includ. grey tuff sections, trace sulphides only (py) 704.6 - 705.5 grey, blotchy tuff (?) 705.5 - 707.0 lost core 707.0 - 707.6 greyish tuff (?) 707.6 - 709.1 f/gr. intermed. lava					
710.2 - 742.0	Chert, variable, mixed, banded dk. & grey, with very sparse min. adjacent to first contact (mainly sphal. with a little gal. & cpy.) sphal. min. later & central section of this carries some cpy. "arg." sections 721.0 - 732.5 zone of generally sparse sphal. min with a little cpy./gal. locally, sphal. variable, often in fracts. 725.5 - 726.5 Best section of cpy. min. blebs of cpy. in carb. veinlets & dissem.					
	SAMPLES: 721.5 - 727.5 (no lost core)	MS 92	6.0'	0.21	0.11	1.42
	727.5 - 732.5 " " "	MS 93	5.0'	0.04	0.14	1.36
	732.5 - 739.9 Zone of "argillite" & tuff bands, "arg." has py. i bands & dissem. 733.4 - 736.0 greenish tuff(?) with white minerals aligned @ 35° (May be a baisc intrusive?) 739.9 - 742.0 2.1' lost core (contact)					
742.0 - 804.0	Diorite(?) f/gr, somewhat variable, lighter & darker zones (latter assoc. with carb. veins, some lighter zones due to patterning of felspars (?"floral", all with flecks of leucoxene. This is normal footwall rock in this area. 742.0 - 742.5 dk. contact material, with dissem. cubic pyrite @ 742.5 qtz. (& carb. vein with py. & a little sphal.					

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

Hole No. 109 (14 C)

Sheet: 4

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
	751.5 - 755.2 Cherty section, banded @ 20°, B'ccd (may be country rock highly fractured & filled with Qtz. veins, possibly some carb. also).					
	782.2 - 782.3 Carb. vein @ 30° with py. & a little sphal.					
	785.5 - 787.7 Section with carb., evidently a folded carb. vein, with py. & sphal.					
	790.0 - 793.0 prolif. of irreg. carb. veins					
@ 804.0'	END OF HOLE					

Test @ 700' uncorrected -80°
corrected -77°

CASING LEFT IN

Lost Core (Main Sections)

Run.	Loss
79.0 - 83.0	3.5'
83.0 - 87.0	3.5'
92.0 - 102.5	1.0'
252.0 - 263.0	0.7'
445.0 - 450.5	1.1'
460.0 - 471.0	1.2'
694.5 - 702.5	1.5'
702.5 - 707.0	1.6'
736.0 - 742.0	2.0'
755.5 - 766.0	0.5

1 in 8' — "hard rock or drawn"?

Drilled by: Continental Diamond Drilling Co. Ltd.
Laurent Giroux

signed by "G.A. Checklin, B.Sc.
Geologist

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

HOLE No. 110 (16 B)

Sheet No. 1

Section from 0.0 - 719'

Started June 25, 1966

Latitude: 16+00N) North
) Grid

Completed: July 1, 1966

Departure: 8+98W)

Dip -90°

Ultimate Depth: 719.0'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
0.0 - 7.0	Casing					
7.0 - 13.3	Chert, B'ccd.with much pyrr.some py. locally & a little sphal.					
13.3 - 24.5	Greenstone, volcs., (flow?) homog.for most part,greenish, f/gr, leucoxene specks, locally streaky. @ 22.2 sphal. in qtz. vein					
24.5 - 67.1	Chert, b'ccd. or more massive, with pyrr/py.min,locally good. 62.4 - 63.2 basic band,(intr?) darck, rich green					
67.1 - 72.9	Greenstone (volcs.) Grey Tuff, banded @ 30°-40° with white fragmental material, soft "waxy" with pyrr.locally @ 67.3 sphal. streak					
72.9 - 89.4	Chert, Banded Tuff & Chert Complex, banded @ 40°-60°, sparse sphal.,cpy.in certain zones of cherty material, usually with dissem.pyrr.in chert. Py tends to be in veins or cubic, and is minor, sphal is not worth sampling.					
89.4 - 100.2	Greenstone (volcs.) Grey Tuffs, fairly homog, soft, banded vaguely @ 50°, hardly any min. some leucoxene, sparse 100.0 - 100.2 sparse sphal. dissem.					
100.2 - 132.9	Chert, variable, massive or b'ccd. pyrr. min some py. 100.2 - 108.6 mainly massive 108.6 - 132.9 " " b'ccd, locally much pyrr. 119.0 - 119.2 qzt. vein 119.2 - 119.7 py.rich zone 130.0 - 132.9 py.in fracts.& banding @ 10° & 30°					
132.9 - 160.2	Lamprophyre, homog. tends to fracture @ 30° - 50° local frags. of basic mat'l,local pink tinge, sparse py.min. 1st contact at 50°, f/gr.greenish.					

Property: Consolidated Shunsby Mines Ltd.
Claim No. S. 34944

HOLE No. 110 (16\

Sheet No. 2

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
160.2 - 170.9	Chert, Chert & Tuff Complex, mainly f/gr tuff, banded locally & with pyrite & chert in bands b'ccd. Some "Argillite" (black tuff, f/gr(?) Local cpy & sphal, in cherty bands in particular (not worth sampling).					
170.9 - 197.0	Greenstone, grey tuff, med/gr, with coarser frags., traces of leucoxene; a few chert bands & frags. locally. 185.5 - 193.0 (approx.) pyrite, cubic, etc.					
197.0 - 258.5	Chert, Chert & Tuff Complex, often dark, locally "Argilitic, much greenish cream, f/gr ?tuff or alt. locally banding in tuffs @ 50° 207.5 - 219.0 zone with greenish cream tuff(?), f/gr little pyrr. 220.1 - 224.0 mainly dark-bluish tuff with cherty bands & some sphal. dissem. locally Au through, & traces of cpy. 224.0 - 228.7 mainly greenish & grey tuff, sparse pyrr. 228.7 - 258.5 mainly bluish tuff locally banded at 50°-60° (or sheared) 235.5 - 238.5 some sphal. 257.8 - 258.1 some cpy. & sphal. @ 258.0 cpy. in thin veinlet					
258.5 - 368.7	Chert, variable, B'ccd. to more massive. locally with "dirty cream" tuff(?) filling, f/gr, some grey tuff locally, min. of pyrr., some py. local sphal/gal. & cpy. towards end. 259.1 - 308.9 Zone of B'cc. with "dirty cream" filling 311.7 - 314.3 Chert B'cc, much pyrr (up to 50%) banding locally (?veins) @ 30° - 40°. 326.8 - 336.3 B'cc., cream filling 336.3 - 368.7 B'cc, more massive, arker filling & sparse py. & pyrr. locally. 350.0 - 356.5 sphal. & some gal. dissem. & in veinlets, usually in filling phase of rock, sometimes assoc. with py. (not worth sampling).					

Property: Consolidated Shunsby Mines Ltd.
Claim No. S. 34944

HOLE No. 110 (16 B)

Sheet No. 3

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
368.7 - 400.5	Chert Chert & Tuff Complex, Much green-cream material, little min. (pyrr. & py.)local banding,sparse sphal.locally. 390.1 - 397.7 Chert with mainly py.min. esp.towards end 397.7 - 400.5 Tuff,variable, much py.some sparse sphal.					
400.5 - 546.8	Chert, variable, often quite massive but with areas of faint strations, as if chunks of earlier chert, local sphal.,some cpy,sphal often in fine fracts. 400.5 - 401.7 much py. with local sphal. (dissem.&veins) 417.6 - 418.0 dark band with much pyrr.& a little sphal. & cpy.along contacts 419.0 - 430.0 much green-cream tuff material,little min. 430.0 - 430.5 basic intr.,dk.green,f/gr with much pyrite 431.3 - 438.6 chert & tuff complex,with numerous sections of black "Argillite" w/py.&banded £ 45° - 50°. Local graphite, shearing.A little sphal.& traces of cpy.through most of it.Py with some pyrr.					
	438.6 - 453.0 B'ccd.(Agglom.?) with much pyrr. 438.6 - 447.1 local sparse sphal.& cpy. 502.6 - 506.2 3.6' lost core 520.1 - 525.6 general zone of sphal/gal.min.mainly sparse 520.8 - 521.1 carb.vein (calcite) with sphal.blebs near contact 521.6 - 522.4 carb.material (?vein) with much coarse sphal.& gal.& dk.green (?) chlrite also.					
	SAMPLE 520.1 - 525.6 (no lost core)	MS 94	5.5'	-	3.98	0.60
	526.3 - 536.7 chert & tuff complex with local "Arg." & pyrite 527.1 - 527.3 fract.with gal.scale 534.4 - 536.4 some sphal.in tuff locally 536.7 - 546.8 chert,B'ccd.(agglom?)w/mainly pyrr.min. 538.8 - 540.2 fair sphal./gal.locally					
546.8 - 548.8	Greenstone (volcs?) f/gr.,dk.green,with 1st 0.4' of light col.,waxy appearance					

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S. 34944

HOLE No. 110 (16 B)

Sheet No. 4

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
548.8 - 558.3	Basic Intrusive, dk., not green & broken surface, shows many glistening crystal faces (?) (or graphite slips?) 555.5 - 556.0 Black mottling on surface of core. 557.2 - 557.5 remnant (?) of porph(?) basic intr. came later?)					
558.3 - 572.7	Felspar Porphyry, with 1st contact at 10°, some dk. zones, (due to sections of basic intr. in the F.P.)					
572.7 - 576.7	Acid Dike (or possibly an acid flow) f/gr.- med/gr., grey, with sparse cubic pyrite					
576.7 - 577.0	?Greenstone, (could be anything, dike or flow)					
577.0 - 581.2	Chert, rather massive, locally B'ccd, w/local sphal. in most of it. @ 577.7 & 579.8 sphal./gal. (?cpy)					
581.2 - 585.3	Greenstone, f/gr., flow?, sheared @ 55°					
585.3 - 587.7	Chert, dark & broken in beginning, changing to bluish chert @ 586.0 586.0 - 587.7 fairly massive & with a very little sphal. as dissem. & in fractures.					
587.7 - 611.9	Greenstone, amyg. flows for most partm light-green to dark-green, banded (sheared) at about 60° carb. veinlets, etc. 601.5 - 602.0 much carb./qtz. @ 610.0 green alt. next to qtz. vein (to light green)=					
611.9 - 629.1	Basic Dike, med/gr, dark, very sparse py. min. remnant white material (or digesting pheno-crysts?) in middle section, gen. homog, not much variation in grain size.					
629.1 - 661.7	Greenstone, amyg. Volcs. 658.4 - 660.5 B'ccn.(?) by carb.(?) veinlets.					
661.7 - 697.5	Chert, variable, agglom. with cherty frags. in beginning to massive & banded types later. A little "Arg." local sphal. dissem. especially in finer fragments (med/gr tuff etc.) contact material at end. 661.7 - 674.5 agglom(?), chunks & frags. of chert in black groundmass. of smaller chert frags. & finer ?tuff. from 672.7 grading to fine/gr. down hole. sphal. dissem. at end.					

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34944

HOLE No. 110 (16 B)

Sheet No. 5

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
	674.5 - 675.0 Black "Arg.",B'ccd,with carb./qtz.& sphal. with vein matter					
	675.0 - 676.7 med/gr.& f/gr tuff banded @ 45° with sphal. & several thin hairline fracts.with cpy.					
	676.7 - 679.2 more massive chert,fract'd & with qtz/carb.veins in all directions. remains of "Arg" bands, pyrite is main min.					
	@ 676.7 cpy.in thin vein, the only decent cpy.in the hole & very poor, but has the "look" of "The" zone Cu mineralization					
	676.7 - 678.5 a little sphal.locally					
	SAMPLE: 674.0 - 679.0 (no lost core)	MS 95	5.0'	0.06	1.91	0.3
	679.2 - 695.2 variable,locally banded & B'ccd.					
	681.4 - 681.9 qtz. vein,white (some carb.?)					
	695.2 - 697.3 2.1' lost core					
	697.3 - 697.4 contact zone material,much dissem.& banded py.					
	697.4 - 697.5 qtz./carb.fragment					
697.5 - 699.8	Greenstone (volcs) light green flow matl.with some "Arg"included					
699.8 - 703.0	Chert, "Argillite"& carb/qtz.zone					
	699.8 - 700.0 "Arg" & qtz./carb.frags.					
	700.0 - 702.5 lost core					
	702.5 - 703.0 "Arg" with qtz/carb.fractures.					
703.0 - 719.0	"Diorite", f/gr.,a little leucoxene, carb.veins (some qtz?) regular foot wall rock					
@ 719.0'	END OF HOLE					

CASING LEFT IN

Dip test @ 700'

Uncorrected 81°
Corrected 78°

FW = dip

Drilledby: Continental Diamond Drilling Co. Ltd..
Laurent Giroux, Foreman

signed: Geo. A. Checklin, Geologist

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S. 34947

HOLE No. 111 (5 A)

Sheet No. 1

Section from: 0.0 to 448.5

Started: July 3, 1966

Completed: July 7, 1966

Latitude: 5 + 00 N) North
Departure: 0 + 84 W) Grid

Dip: - 90°

Ultimate Depth: 448.5'

Depth Feet		Description	Sample No.	Width of Sample	Cu	Zn	F
0 -	5.0	Casing, (core started at 3.2')					
3.2 -	20.7	Chert, massive, with a little py/pyrr.					
20.7 -	55.5	Felspar-Porphyry regular, coarse type, with some dark (basic?) inclusions					
55.5 -	61.3	Chert, Chert, argillite & tuff complex, some py/pyrr.min. 59.0 - 59.8 zone of sphal. in fractures					
61.3 -	68.4	Greenstone, grey tuff, tiny leuxoxene crystals & fracts. aligned @ 35° shear zone @ 60° near 1st contact. sparse cubic py. generally coarse.					
68.4 -	78.6	Chert, chert & tuff complex, mainly dk. tuffaceous with bands of b'ccd. chert & arg. sections. locally greenish & banded&with pyrr.					
78.6 -	223.5	Chert, variable, massive & B'ccd., phases with py/pyrr. strong in beginning. local zones of dark or cream indeterminate material, traces of cpy, sphal, gals. sphal. locally better. 81.3 - 81.5 traces of sphal. assoc. with qtz./carb.Vn. 82.5 - 93.5 py/pyrr.with cpy.,traces of sphal. 94.4 - 95.6 sphal.traces, local gal.& cpy. 100.5 - 101.7 pyrr.& some sphal.in 3 fract.at 60° w/graphite 125.8 - 126.3 locally fair sphal.,some local gal.& cpy. Not good enough to sample. @ 139.4 sphal./gal. 145.6 - 146.1 patches of dissem.sphal.w/trace gal. 201.5 - 201.7 sphal.assoc.with fractures 213.7 - 213.8 qtz. with sphal./gal. 214.7 - 215.2 some sphal. in fracts. 215.0 - 215.2 fairly massive, galena streaks 215.2 - 215.4 basic intr.stringer					

Property: Consolidated Shunsby Mines Ltd. HOLE No. 111 (5 A)

Sheet No. 2 Claim No. S. 34947

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn	Pb
	215.4 - 215.6 contact zone with cpy.& sphal. 215.6 - 223.3 chert with increasing amounts of green material (olive green) ?alt'n assoc. with basic dike below.					
223.3 - 229.5	Basic Intrusive, f/gr. contact, granular, dark-green, w/finely dissem.sulphides (py/pyrr.& a little cpy) white patches, but not definitely porphyritic.Evidently quite reactive, judging by country rock at upper contact. Carb. veinlets.					
229.5 - 240.0	Greenstone, amyg volcs. light olive green, bdcd. lower contact.					
240.0 - 260.4	Chert, variable dark in beginning, becoming lighter, with sphal. min. through most of it, locally good, and with a little cpy. 256.7 - 257.1 massive sphal. in irreg.vein.					
	SAMPLES: 240.0 - 248.0 (0.7' lost core)	MS 103	8.0'	0.14	1.14	
	248.0 - 255.5 (0.5' lost core)	MS 104	7.5'	0.11	2.23	
	255.5 - 260.5 (no lost core)	MS 105	5.0'	0.32	9.59	0.0
260.4 - 323.1	Greenstone, volcs.& amyg volcs., variable, streaky to granular but f/gr. with dark cherty sections (with py.dissem) mainly olive-green, locally fract? 296.3 - 299.8 gen.zone of fracturing with carb.injection. a little py.& sphal.complex cross-fracturing involved.		20.5	0.17	3.4	
323.1 - 326.1	Chert, possibly tuffaceous, b'cc.with chlorite network around grains, also some arg.& chert B'cc. A little sphal.locally & py.in veinlets. some local cpy.					
326.1 - 329.5	Contact Zone (?), may lie in greenstone or chert, increasing (?) dev. of leucoxene,much lost core. 326.1 - 326.2 vein of greenish intrusive with much sphal/cpy.fragments of black argillite in it.					
329.5 - 359.0	Diorite Intrusive complex with country tock, phases of dark chlorite intr. with leucoxene (some purple-brown, some yellowish) intruded into volcanic country rock, now					

Property: Consolidated Shunsby Mines Ltd. HOLE No. 111 (5 A)
Sheet No. 3 Claim No. S. 34947

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn
329.5 - 359.0 (contd.)	rock is generally darker than usual, but keeps its fine grain. Much lost core, much qtz. locally (? cherty sections or qtz. veins?)				
359.0 - 366.7	Contact Zone, greenstone (?) alteration zone.				
366.7 - 420.0	Shear Zone, mainly in volcs.,possibly also some chert or silicified (qtz.inj.) material. "Streaked-out" pyrite & leucoxene locally. Good shearing locally at 55° and other angles. Various app.ce, much lost core locally, local cpy.& a little sphal. (never enough to sample)!				
	366.7 - 368.6 good shearing @ 55°				
	373.0 - 379.8 sheared & silic. g/s shearing @ 45° - 50° big leucoxenes, py.min.& some dissem. cpy. locally.				
	383.3 - 387.0 f/gr.volcs.(?flow) sheared & fractured @ 30° - 40°.				
	394.2 - 397.5 shaered, streaky leucoxenes @ 40° some silica. local cpy.& a little sphal.-gal.	# 558 - 394-398	0.14	0.54	
	397.5 - 399.5 strongly sheared @ 40° lighter greenish colour.				
	399.5 - 400.1 weakly sheared @ 40°				
	403.6 - 407.7 " " @ 50°				
	409.6 - 411.0 " " @ 50°, sparse cpy.				
	411.0 - 414.8 strongly sheared at 60°, with discordant carb. veining, shearing increasingly strong down hole.				
	411.0 - 412.0 local cpy. sparse				
	413.8 - 414.1 argillite "pocket", distorted banding				
	414.8 - 420.0 SHEAR/FAULT ZONE	# 559 - 415 - 420	0.06	0.21	
	414.8 - 416.4 intensely sheared,local pyrite				
	415.5 - 416.0 lost core				
	416.4 - 419.0 ? Mylonite or highly sheared acid intrusive, with emeral-green,"streaked-out" mineral. between tiny shears locally.				
	417.0 - 417.5 0.5' lost core				
	417.5 - 418.3 B'ccd. qtz./carb.vein. Dark inclusions.				
	419.0 - 420.0 well sheared country rock.				

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd. HOLE No. 111 (5 A)
Claim No. S.34947

Sheet No. 4

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn
420.0 - 448.5	Greenstone (= f/gr. footwall diorite?), not amygdaloidal, variable, locally brownish, med/gr to f/gr. much fractured locally, leucoxene, (locally streaky)				
	430.3 - 431.0 sheared flow (?)				
	437.6 - 441.0 zone of fracture & shearing (carb.)				
	441.0 - 447.0 general zone of weaker shearing & carb. inject'n.				
@ 448.5	END OF HOLE				
	Casing left in				
	Dip test @ 400'				
	Uncorrected 87°				
	Corrected 86°				

Drilled by: Continental Diamond Drilling Co. Ltd.

L. Girouxx) & L. Leduc, Foremen
(beginning) (end)

signed: Geo. A. Checklin
B.Sc., Geologi

Diamond Drill Record
CONSOLIDATED SHUNSBY MINES LIMITED

HOLE No. (68-1) No. 111 Rebus

Core-log of Sections: 250.0 - 441.0

Depth Feet	Description	Sample No.	Width	Cu	Zn
250.0 - 280.0	Greenstone Breccia - or agglomerate, similar to top of greenstone in 68-6, sudden change to leucoxxene altered variety at 280.0 and change to variolitic greenstone				
280.0 - 333.0	Greenstone Variolitic - amyg.prominent, also brecciated in short sects.at 330.0 contains chert fragments partially absorbed by greenstone.				
330.0 - 336.0	Chert - black massive, much lost core.				
336.0 - 359.0	Diorite - altered, quite thoroughly but crystallinity visible.Core appearance of porphyry.Possible gradational transition of andesite-diorite.Fine grained top sect.becomes med.gr.at 355.0. Equivalent to 218.0' on hole 68-14 but no alteration in 68-14. Network of qtz.veinlets similar to 68-6 at 418.0'.				
359.0 - 367.0	Feldspar, Andesite Porphyry Schist - completely schistosed but little alteration.Visible xts.alongated but undefined.				
367.0 - 417.0	Chert,Feldspar-Andesite Schist - Schistosity very prominent,chert fragments elongated,qtz.stringers and silification all lineated. Phenocrysts in less altered sects. visible. Could possibly be silicified feldspar.Andesite porphyry.Chert fragments more plentiful after 380.0				
417.0 - 441.0	Digestive Diorite - Slightly altered and schistosed but definitely recognizable as dig.dior.series.Contact with porphyry below not visible.At 440.0 becomes a silicified porphyry-diorite schist.Much lost core and ground core from 360.0 - 400.0. Quite possibly a fault zone. The whole section is schistosed and section altered.Core broken and shattered.Ground unstable in the hole area.				
441.0	END OF HOLE				
	RE-SAMPLE: 394.0 - 398.0 Sheared qzt.+ cpy + py.	558	4.0'	0.14	0.58
	RE-SAMPLE: 415.0 - 420.0 Chert breccia qhal.& py.	559	5.0'	0.06	0.21

Drilled by: Continental Diamond Drilling Co.

Signed: "William Heshka"

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Limited — Hole No. 112 (2 A)

Sheet No. 1 — Section from 0.0 to 410 — Started: July 9, 1966

Latitude: 2+00N) North Grid — Completed: July 14, 1966

Departure: 1+20E) North Grid — Dip -90° — Ultimate Depth: 410.0'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn
0.0 - 7.0	Casing				
7.0 - 7.4	Fragments?				
7.4 - 15.3	Basic Intrusive Grey-Green, med/gr, granular, homog. (Perhaps of true diorite composition) 2nd contact @ 30°, no sulphides seen.				
15.3 - 33.5	Chert, B'ddd., locally massive, matrix dark to cream, banding locally, py.min.in beginning near contact				
33.5 - 41.5	Greenstone, volcs, f/gr, brownish, with fine dissem.of ? yellow leucoxene, sparse py. A few carb. fractures, often with py.@ about 35°, some colour variation.				
41.5 - 140.8	Chert, variable, B'ccd to more massive, with generally rather dark matrix. Good py/pyrr.min.locally. Py-rich zones, argillite & arg./tuff sections. local cpy.& sphal.				
	83.2 - 116.4 chert & tuff complex				
	116.4 - 122.6 massive chert with much py.				
	122.6 - 131.5 arg./tuff complex with much py.locally, banding at 60°, slips approx.same. Fine/grained sections, often with very fine dissemination.				
	131.5 - 140.8 mainly chert B'cc.with pyrr.& mainly f/gr. cream matrix, some py.				
140.8 - 305.6	Greenstone (Amyg.Volcs.), locally B'ccd.& with dk.grey cherty? material as matrix and veins in the g/s and containing finely dissem.sulphides (py.or pyrr.& a trace of sphal.locally) This material varies from f/gr to med/gr. & from hard to softer. Volcs. themselves are soft, light-green to grey, f/gr, showing flow(?) structures. Sparse min. streaky f/gr.leucoxene (?) locally.				
	140.8 - 164.9 amyg., lighter green, f/gr.				
	164.9 - 215.8 section of darker, mainly grey volcs., not visibly amyg.(or with traces only) but with much dk.cherty(?)material locally ? zone of alt.				

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd. Hole No. 112 (2

Sheet No. 2

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn
140.8 - 305.6 (contd.)	183.4 - 191.5 general zone of sparse sulphides, with rare cpy, sparse galena, & patches of sphal. & "incipient sphal". Not good enough to sample. Assoc. w/considerable dark cherty matl. & streaky alt'n. of the volcanics.				
	215.8 - 305.6 lighter green matl. but still fract. & still not visibly amyg.				
305.6 - 309.0	Chert - Tuff & Argillite, dk. f/gr. granular tuff (?or intrusive) with much sphal/gal locally & traces of cpy. (not enough sulphides to carry a sample with this length of chert).	NOT SAMPLED.			
309.0 - 325.9	Felspar Porphyry, qtz - with regular type, a little more massive from 312.5 'phenocrysts more indistinct), a little sphal. near both contacts.				
325.9 - 374.9	Chert, variable tuff & some argillite in beginning becoming more cherty down hole.				
	325.9 - 334.2 tuff/fine/gr. banded @ 50°, with much dissem. py/pyrr. which is also streaked out at 50° (due to shearing ?) local sphal. & a little cpy. assoc with pyrr.				
	331.8 - 334.2 brownish (pyrr-rich) with locally fair sphal. & py/pyrr. veinlets of "zone" type with some cpy. & sphal. local gal.				
	SAMPLE: 330.0 - 336.0 (no lost core)	MS 111	6.0'	0.17	0.76
	334.2 - 349.0 tuff, variable, darker, bluish, mainly f/gr, "Argillaceous", banded with a little cpy. assoc. with pyrr. & py. & a little sphal., local. arg. sections (minor) hard, locally softer (nothing worth sampling)				
	349.0 - 355.6 chert & tuff complex, some cpy. & sphal. local., with one fair section & one good one. Min. seems to prefer the med/gr. tuff layers to the finer matl.				

Property: Consolidated Shunsby Mines Ltd. HOLE No. 112 (2 A)

Sheet No. 3

Depth Feet	Description	Sample No.	Width of Sample	Cu	Zn
325.9 - 374.9 (contd.)	355.6 - 361.0 mainly massive chert, some tuff, generally little cpy./sphal.				
	SAMPLE: 356.0 - 362.5 (0.5' lost core)	MS 113	6.5'	0.08	0.10
	361.0 - 368.2 material with much more variation along length & well-fractd. also. Cpy. locally good.				
	SAMPLE: 362.5 - 369.5 (0.8' lost core) ? ?	MS 114	7.0'	0.86	0.76
	368.2 - 369.0 0.8' lost core 369.0 - 374.9 cherty, more massive, banded (some tuff) some fracturing, cpy/sphal/gal. poor but present.				
	SAMPLE: 369.5 - 375.0 (no lost core)	MS 115	5.5'	0.33	0.54
374.9 - 377.6	Basic Intrusive (?Flow) f/gr, with some variation along length, && with fine flecks of leucoxene. Much py. in chert at contacts ; @ 376.5 two blebs of galena & others of cpy.				
377.6 - 388/9	Chert, very variable, mainly dark, with much dissem. Py loc. & some cpy. local argillite phases 383.0 - 387.8 4.8' of lost core. FW fault?				
	SLUDGE SAMPLE 380.0' - 390/0'	MS 117	10.0	0.20	0.49
388.9 - 410	F/gr. Diorite, footwall rock to chert fine leucoxene, carb. veinlets, brownish in beginning, becoming coarser & darker (greener). 389.0 - 390.4 V. f/gr. material with sharp 2nd contact. Does not have usual py. dissem at uphole contact (this could have been ground) rare py. in rock.				

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd. HOLE No. 112 (# 2 A)

Sheet No. 4

Depth Feet		Description	Sample No.	Width of Sample	Cu	Zn	F
388.9 - 410 contd.	400.4 - 410.0	m/gr.,green, showing mottling by darker patches (may be coarser inner part of a flow ?) large leucoxene crystals of "digestive" diorite are absent.					
@ 410.0'	END OF HOLE						

Casing left in

Test @ 400.0'

Uncorrected 85° dip

Corrected 83½ dip

Drilled by: Continental diamond drilling Co. Ltd.

Lucien Leduc, foreman

signed: G. A. Checklin, B.
geologist

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Ltd.
Claim No. S.34946

Hole No. S.E. # 1

Sheet No. 1 | Section From 0.0 To: 250.0 | Started: September 1, 1965

Latitude: 1 + 75 N) North | Datum: | Completed: September 4, 1965

Departure: 6 + 25 E) Grid | Bearing: N 80 E. | Ultimate Depth: 250'

Elevation | Dip - 45 | Proposed Depth: 400'

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 9.0	Casing					
9.0 - 59.7	Greenstone, (volcs) grey & pale green, f/gr. cubic.py.in darker zones, assoc.w/qtz.					
59.7 - 65.0	Argillite, (basalt?) f/gr. & banded @ 70° finely dissem.sulphides (pyrr., py, a little cpy) but from 63.7 - 64.5 there is pyrr.cpy.,sphal.& a very little galena in massive banded py.	SE 1	5.3'	0.09		0.44
65.0 - 74.9	Diorite, coarse, barren, w/ f/gr.contact at end					
74.9 - 79.8	Argillite (sheared basalt?), banded 45° - 50°, pyrite, often cubic, along bands some pyrr.					
79.8 - 83.7	Chert, dark, silicified? Argillite? banded at 45° ± 50°, locally Bccd, exhibiting fine banding (?gneissic) & with a little cubic pyrite					
83.7 - 86.4	Argillite (?Basalt) banded at 60° sheared					
86.4 - 89.1	Chert, dark banded @ 60° & locally B'ccd					
89.1 - 90.0	Argillite, sheared					
90.0 -146.2	Chert, variable, from banded light &dark (with dark bands exhibiting ?early stages of granitization, gneissic structure) to lighter,more homogeneous (more siliceous?) chert. Much left cpy, py,min, not massive,often cubic					

last

Consolidated Shunsby Mines Ltd. HOLE NO. S.S.# 1

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
146.2 - 149.4	Diorite, f/gr, greenish-grey, w/ a little pyrite in a fracture 149.3 - 143.4 massive pyrite					
149.4 - 150.0	Lost Core					
150.0 - 170.0	Chert, variable, dark, w/cubic pyrite min. locally, w/a little sphal. & cpy. in basal section. Much lost core. Core very broken 161.0 - 163,8 fractured, not banded Best section of min.chert with py, a little sphal.& a little cpy.	SE 2 SE 3	10.0' 10.0'	0.04 0.03	0.03	0.19 0.15
170.0 - 170.4	Argillite (possibly much of core lost in this run came from here)					
170.4 - 250.0	Diorite, varying from f/gr light green to med/gr darker material, towards the end pyrite min.,but very little & mainly assoc. with veinlets (basal diorite)					
@ 250.0	END OF HOLE					
	Casing pulled					
	No dip test (difficult with rods)					

Drilled by: Continental Diamond Drilling Ltd.
E. Menard, Foreman

sgd. Geo. A. Checklin,
Geologist

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Limited
Claim No. S.57539

HOLE NO. S.E. 2

Sheet No. 1

Section from 0.0 to 367.0'

Started: September 5,1965

Latitude 4+73'S) North
Departure 6+44' E) Grid

Datum: ----

Bearing N 70 E

Completed September 7, 1965

Ultimate Depth: 367.0'

Dip -45°

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
0.0 - 10.0	Casing					
10.0 - 178.2	Greenstone, variable, locally amyg. locally brecciated, filled w/black material. A little py & very little galena & sphal. assoc. with carb. veinlets					
178.2 - 179.0	Argillite (f/gr basic intr.?)					
179.0 - 181.4	Greenstone					
181.4 - 187.2	Argillite (?basalt) py. min.					
187.2 - 224.4	Chert/ (I.F.) banded dark & light colour, a little sphal. & very little gal. & py. assoc. with thin veinlets. pyrr.& py. is usual min.					
224.4 - 232.1	Chert, brecciated, intr.locally py. f/gr basic matl., a little pyrrho.otherwise not min.					
232.1 - 245.9	Chert, (I.F.) banded, variable, py.&pyrrho. A little spahl.- gal.& cpy assoc.w/veinlets					
245.9 - 247.6	Argillite, sphal.-gal. in veinlets near contacts.					
247.6 - 259.0	Chert, banded, variable w/py.bands assoc.w/darker material. Locally specks of sphal.assoc.w/veinlets.					
259.0 - 266.8	Chert, more massive, veined, little-banded, local. alt., sparse py. min.					
266.8 - 273.0	Diorite (Greenstone?), probably intr., local.py.					
273.0 - 275.7	Chert, local b'ccn, with dissem.cubic & banded py.					
275.7 - 276.2	Argillite					
276.2 - 281.2	Diorite (Greenstone?)					

CONSOLIDATED SHUNSBY MINES LIMITED D.D. RECORD

Sheet 2. -contd.- hole No. S.E. 2

Depth Feet	Description	Sample No.	Width of Sample	Cu	Pb	Zn
281.2 - 290.5	Argillite with py. same chert included	SE 4	9.4'	0.07		0.22
290.5 - 295.1	Chert, a complex of argillite intro (?) by qtz. py.min. w/a little cpy.& sphal.(orange-brown)	SE 5	8.0'	0.09	0.11	0.63
295.1 - 297.0	Lost Core					
297.0 - 298.5	Argillite, py.					
298.5 - 309.8	Diorite Porphyry grey, coarse, w/qtz.eyes, otherwise mainly felspar.min of sparse py.but ground first contact may have been well-mineralized with sphal.					
309.8 - 311.2	Argillite, banded, qtz. veining & pyrite banding graphite on slips.					
311.2 - 321.7	Diorite Porphyry					
321.7 - 324.0	Argillite, locally graphitic, local py, a little cpy.					
324.0 - 326.5	Chert, variable, locally alt.,py.min.,local.					
326.5 - 330.7	Greenstone, f/gr, variable					
330.7 - 340.5	Diorite Porphyry					
340.5 - 349.3	Greenstone,(Diorite?), sheared @ 50°, locally veined with garb.					
349.3 - 367.0	Diorite,variable, minor py. min. locally. Carb. veinlets.					
@ 367.0	END OF HOLE					

Drilled by: Continental Diamond Drilling Ltd.

E. Menard, Foreman

sgd. Geo. Checklin, Geologist

DIAMOND DRILL RECORD

Sheet No. 1 | Property: Consolidated Shunsby Mines Limited Claim No. S57539 | HOLE NO. S.E. 3

Section from: 0.0 to 128.0 | Started: September 9, 1965

Latitude 10+79 S) North Grid | Completed: September 10, 1965

Departure 11+60 E) | Bearing - | Ultimate Depth 128.00'

Elevation - | Dip -90 | Proposed Depth: 200.00'

Depth Feet	Description	Sample No.	Width of Sample
0.0 - 15.0	Casing		
15.0 - 26.5	Greenstone (volcs?) f/gr, bluish-black, py. locally, no argillite phase		
26.5 - 45.4	Greenstone (volcs.) f/gr. to med/gr. sheared @ 40° pyrite common		
45.4 - 58.8	Argillite (Tuffs? Basalt?) sheared, banded @ 45°. pyrite in bands & locally B'ccd.		
58.8 - 65.9	Chert (complex of chert and argillite) B'ccd. locally, pyrite in bands, streaks		
65.9 - 108.9	Chert, variable, banded, fractured, etc., py. in some fractures, traces only of other sulphides.		
108.9 - 128.0	Greenstone or Diorite, In some phases, similar to rock mapped as diorite in ridge to E. local pyrite		
@ 128.0	END OF HOLE		

Casing pulled

No Dip Test

17.65 % lost core

Drilled by: Continental Diamond Drilling Co. Ltd.

E. Menard, foreman

sgd. Geo. Checklin, Geologist

DIAMOND DRILL RECORD

Property: Consolidated Shunsby Mines Limited
Claim No. S. 57539

HOLE NO. S.E. 4

Sheet No. 1

Section from: 0.0 to 360.0

Started, September 12, 1965

Latitude: 10+00 S) North
Departure: 8+30 E) Grid

Bearing ----
Dip: Vertical

Completed: September 14, 1965
Ultimate Depth: 360.00'
Proposed Depth: 500.00'

Depth Feet	Description	Sample No.	Sample Width
0.0 - 8.0	Casing		
8.0 - 140.7	Greenstone (volcs) f/gr amyg., a few carb.veinlets		
140.7 - 170.4	Chert, (some phases of greenstone included) variable, a very little sphal. locally, as at 140.7 - 141.5 Other min. Py & pyrrho. 169.5 - 170.4 massive py.		
170.4 - 187.3	Greenstone, f/gr possibly diorite. A few cherty sections		
187.3 - 200.5	Chert, variable, some basic material. A little py. pyrr., very little cpy. occasional specks of sphal.		
200.5 - 211.7	Greenstone, with much pyrite, locally B'ccd.& w/cherty veins & fracture fillings & cherty phases. Chert replaces basic material. possibly diorite originally.		
211.7 - 220.6	Argillite (dark f/gr tuffs? or basalt?) local py.		
220.6 - 268.0	Chert, variable, some banded, some B'ccd.(local agate) some massive ("clean") w/arg. phase @ 252.2 - 253.6		
268.0 - 271.7	Argillite, local py.		
271.7 - 296.1	Chert, variable, locally B'ccd.(short lengths), local py. and pyrr.(dissem. and banded py.)		
296.1 -297.5	Diorite		
297.5 - 300.2	Chert, homog., well fractured, minor min.		
300.2 - 301.3	Diorite		
301.3 - 308.2	Chert, dark well-fract.& -veined, w/arg. phases, local py.		
308.2 - 360.0	Diorite, f/gr coarse-grained with approx.contact @330.0. local reddish iron stain, some qtz.-carb.veins.		
360.0	END OF HOLE		

Dip Test @ 350' (corrected value) 80°

drilled by Continental Diamond Drilling Co. Ltd. sgd. Geo Checklin, geologist

GEOLOGICAL PLAN
NORTH SECTION
CONSOLIDATED SHUNSBY MINES LTD.
Scale : 1" = 100'
GEOLOGY - C.W. ARCHIBALD, R. MUGFORD &
1965-1966 WORK
Drawing prepared by:
ATKINS MINING CONSULTANTS LIMITED
From information supplied by:
CONSOLIDATED SHUNSBY MINES LTD.
REVISED TO FEB, 1969
1. Add D.H 74-1 to 74-
SYMBOLS
JEEP ROAD
TRAIL
STRIKE & DIP OF BEDDING
STRIKE & DIP OF SCHISTOSITY
SHEAR ZONE
OUTCROP
SULPHIDE OUTCROPPING
FAULT
TRENCH
GEOLOGICAL BOUNDARY
ASSUMED CONTACT
MUSKEG
HILL
DIAMOND DRILL HOLE
0.9 2.4 / 23.5
Cu Zn / Feet M (middle) B (basil)
EM ANOMALY
EM ANOMALY (REVERSED)
LEGEND
Qd QUARTZ DIABASE
LAMPROPHYRE
π PORPHYRY, QUARTZ PORPHYRY
d DIORITE
s SLATE
c CHERT
ANDESITE
T TUFF
23000
22000
21000
20000
19000 N
18000 N
L-28 N
L-24 N
L-16 S
61829
61830
57539
114402
121596
Beaver Lake
Lake
THIS E M ANOMALY EXTENDS TO L.B.S. GRID (PLATE T-2)