



42A14SE0341 10 MANN

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MANN TOWNSHIP REPORT NO. 10

This file contains work performed by P. S. Zevely on claims:

T.25904	Hole # 1	Nov/48
	2	Nov/48
	3	Nov/48
	4	Dec/48
	5	Dec/48
	6	Dec/48
	7	Dec/48
	8	Jan/49
	9	Jan/49
	14	Jan/49
	15	Jan/49
	16	Mar/49
	17	Mar/49
T.25903	Hole # 10	Apr/49
	11	May/49
	18	Apr/49
	19	Apr/49

DIAMOND DRILL RECORD

No. 1 Sheet No. 1 Co-ordinates Collar Geo. Lines Total Depth 497.2
 Property Zevely - Mann Lat. --- : Dep. --- Ft. of Core Recovered
 Drilled By Morissette Elev. Collar 555 E % Recovery
 Date Begun Nov. 12th, 1948 Bearing 555 E Size Bit Used
 Date Finished Nov. 17th, 1948 Angle 50 Size Core 7/8"
 Contractor's Footage 497.2 Working Place Claim 25904

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00 5.0	Casing						
5.0 41.5	rhyolite with brecciated fragments quartz and calcite stringers to 1"; light shearing						
41.5 51.5	rhyolite, sheared and carbonated, small calcite and quartz stringers.						
51.5 77.0	rhyolite, light shearing, small calcite and quartz stringers						
77.0 103.0	rhyolite, dense grained, green, few calcite stringers						
103.0 107.0	contact alteration						
107.0 111.0	peridotite with quartz and calcite stringers						
111.0 114.0	peridotite oxidized zone fault(?)						
114.0 139.7	peridotite, calcite and quartz stringers, sulphides @ 118.2						
139.7 140.7	peridotite with sulphide mineralization						
140.7 145.0	peridotite with calcite stringers, sulphide mineralization on serpentine slip faces						
145.0 146.0	peridotite with light sulphide mineralization						
146.0 170.2	peridotite, sulphides in serpentine slips						
170.2 184.4	gabbro-medium to coarse grained, may be igneous contact @ 170.2						



Core stored on 175904.

all. Log By Jos Kallavasa

DIAMOND DRILL RECORD

No. 1 Sheet No. 2 Co-ordinates Collar Total Depth.....
 Property Zevely - Mann Lat..... : Dep..... Ft. of Core Recovered.....
 Drilled By Morissette Elev. Collar..... % Recovery.....
 Date Begun..... Bearing..... Size Bit Used.....
 Date Finished..... Angle..... Size Core.....
 Contractor's Footage..... Working Place.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
184.4 201.0	rhyolite with brecciated fragments small quartz and calcite stringers, light shearing in sheet sections, contact gabbro-rhyolite @ 184.4						
201.0 226.6	sheared rhyolite, small quartz and calcite stringers.						
226.6 227.2	quartz - calcite vein, no mineral						
227.2 230.2	rhyolite with calcite stringers, few spots of sulphide						
230.2 230.8	quartz-calcite vein , no mineral						
230.8 231.7	rhyolite						
231.7 232.3	quartz-calcite vein with included brecciated fragments						
232.3 251.1	rhyolite, small quartz and calcite stringers, light shearing						
251.1 252.0	quartz - calcite vein, some pyrite						
252.0 254.0	rhyolite						
254.0 254.5	quartz - calcite vein						
254.5 255.6	rhyolite						
255.6 257.0	quartz - calcite vein, light pyritization						

Log By.....

DIAMOND DRILL RECORD

Hole No. 1 Sheet No. 3
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
257.0 258.7	rhyolite						
258.7 259.5	quartz vein with fair pyrite mineralization						
259.5 297.2	rhyolite with quartz and calcite stringers, short sections of shearing, some scattered sulphides						
297.2 299.3	sulphide streaks in rhyolite and basic dyke						
299.3 305.0	rhyolite with calcite and epidote streaks						
305.0 308.1	rhyolite, light shearing and scattered mineralization chiefly pentlandite						
308.1 316.0	rhyolite, light shearing few sulphide streaks						
316.0 363.0	sheared rhyolite with calcite stringers and quartz vein up to 4" wide. Some sulphide streaks						
363.0 370.0	rhyolite with brecciated fragments						
370.0 370.6	quartz vein, well mineralized with chalcopyrite and pyrrhotite						
370.6 372.0	sheared rhyolite and quartz - no mineral						
372.0 439.6	rhyolite, some shearing, few sulphides streaks, calcite and quartz stringers, short basic dyke sections showing some sulphides						

Log By.....

Hole No. 1 Extension - 497.2' to 913.0'

DIAMOND DRILL RECORD

Hole No. 1-EX. Sheet No. 1
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Feb. 4th, 1949
 Date Finished Feb. 10th, 1949
 Contractor's Footage.....

Co-ordinates Collar
 Lat. 508.0N, L-4E Dep. 76.0' E.
 Elev. Collar 00
 Bearing S. 55 degrees E.
 Angle 50 degrees
 Working Place Claim T. 25904

Total Depth 913.0'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used 7/8"
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
497.2 525.0	silicified rhyolite with calcite and quartz stringers. Sulphide mineralization @502, 5-503.3'						
525.0 543.0	silicified rhyolite with quartz stringers and disseminated sulphides						
543.0 545.0	mineralized rhyolite with some alteration						
545.0 548.0	rhyolite with quartz veins and disseminated sulphides						
548.0 550.0	rhyolite with quartz veins and disseminated sulphides						
550.0 550.8	altered rhyolite						
550.8 552.8	altered rhyolite with sulphides						
552.8 553.3	rhyolite						
553.3 554.0	altered rhyolite with heavy sulphides						
554.0 565.3	rhyolite with sulphide seams and disseminated sulphides						
565.3 566.3	mineralized quartz vein						
566.3 570.7	rhyolite with disseminated sulphides						
570.7 572.7	mineralized quartz vein						
572.7 579.8	lightly sheared rhyolite with calcite and quartz stringers						

Log By.....

DIAMOND DRILL RECORD

Hole No. 1-EX Sheet No. 2
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
579.8 581.5	lightly mineralized quartz vein						
581.5 600.0	rhyolite with a few calcite & quartz stringers						
600.0 675.0	rhyolite, brecciated & altered & epidotized, few calcite & quartz stringers						
675.0 703.3	rhyolite with narrow bands of alteration, and prominent flow structure, few calcite and quartz stringers						
703.3 723.8	coarser grained rhyolite with few calcite and quartz stringers						
723.8 800.0	light colored rhyolite with narrow alteration bands, prominent flow structure & seams of calcite and quartz. Disseminated sulphides @782.5-783.0, & 787.5-799.0						
800.0 825.0	rhyolite with chloritized bands. Siliceous section from 800.0-801.0. Brecciation from 822.2-825.0. Disseminated sulphides @806.2 - 809.7-810.5-823.3						
825.0 850.0	rhyolite with chloritized and epidotized sections showing flow structure and some brecciation. Sulphides :839.0 - 839.5 - 841.5						
850.0 875.0	coarser grained rhyolite with sections of light material. Some epidote.						
875.0 913.0	chloritized rhyolite with light colored sections. Narrow bands showing development of phenocrysts. Short string.						
Hole end 913.0'							
Dip Test 700.0' @ 56 degrees							
Dip Test 913.0' @ 57 Degrees							

Log By.....

DIAMOND DRILL RECORD

Hole No. 2 Sheet No. 1
 Property Zevly - Mann
 Drilled By Morissette
 Date Begun Nov. 20, 1948
 Date Finished Nov. 23, 1948
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing S. 34W.
 Angle 45
 Working Place Claim T. 25904

Total Depth 319'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used 7/8"
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00 5.0	Casing						
5.0 22.0	Peridotite with alteration to serpentine in places - narrow calcite stringers (Fault) at 22.0						
22.0 28.4	sheared peridotite						
28.4 35.0	Lost Core						
35.0 37.0	Peridotite						
37.0 37.3	Gabbro dyke						
37.3 39.0	Lost Core						
39.0 46.0	Sheared - silicified peridotite						
46.0 47.0	Gabbro Dyke						
47.0 50.1	Sheared peridotite						
50.1 51.0	peridotite -gabbro contact Fine grained Gabbro dyke						
51.0 60.0	sheared peridotite						
60.0 88.6	peridotite with calcite quartz stringers						
88.6 90.3	peridotite crush zone						
90.3 96.5	peridotite with calcite stringers.						

Log By.....

DIAMOND DRILL RECORD

Hole No. 2 Sheet No. 2 Co-ordinates Collar
 Property Zevly - Mann Lat. : Dep.
 Drilled By Morissette Elev. Collar
 Date Begun Nov. 20, 1948 Bearing S. 34 W.
 Date Finished Nov. 23, 1948 Angle 45
 Contractor's Footage Working Place Claim E. 25904

Total Depth 319'
 Ft. of Core Recovered
 % Recovery
 Size Bit Used E/8
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
96.5 100.5	sheared peridotite with closely spaced calcite and quartz stringers						
100.5 119.2	peridotite - light shearing - minor number of calcite stringers.						
119.2 124.8	peridotite - strong shearing with closely spaced network of calcite and quartz stringers.						
124.8 130.8	peridotite - light shearing.						
130.8 132.0	disseminated sulphides (pyrrhotite)						
132.0 150.0	lightly sheared peridotite with quartz and calcite stringers to 1" wide - mineralized on slip faces.						
150.0 174.3	peridotite - shearing with sulphides on slip faces - calcite stringers.						
174.3 179.4	Silicified peridotite with stock work of sparsely mineralized quartz and calcite stringers.						
179.4 180.3	Lamprophre dyke - gradational contact						
180.3 194.0	lightly sheared peridotite with network of quartz and calcite stringers up to 2" wide - sulphides on slip faces and disseminated						
194.0 200.0	peridotite						
200.0 209.0	peridotite with calcite and quartz stringers						
209.0 209.1	mineralized peridotite						

Log By.....

DIAMOND DRILL RECORD

Hole No. 2 Sheet No. 3
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Nov. 20, 1948
 Date Finished Nov. 23, 1948
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing S. 34 W.
 Angle 45
 Working Place Claim T. 25904

Total Depth 319'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used 7/8
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
209.1 211.3	<u>gabbro dyke - with quartz and calcite stringers</u>						
211.3 215.0	<u>peridotite - light shearing - calcite stringers.</u>						
215.0 217.0	<u>Mineralized peridotite (pyrrhotite)</u>						
217.0 220.0	<u>" " "</u>						
220.0 225.7	<u>peridotite</u>						
225.7 249.5	<u>strong sheared peridotite with minor number of calcite stringers & sulphide along fracture faces.</u>						
249.5 275.0	<u>gabbro - no distinct contact - fine grained with calcite stringers</u>						
275.0 279.7	<u>Chloritized gabbro</u>						
279.7 280.0	<u>mineralized gabbro (Pentlandite?)</u>						
280.0 319.0	<u>Sheared and silicified rhyolite with quartz and calcite stringers - Chloritized and altered in sections.</u>						
	<u>End of Hole @ 319.0'</u>						
	<u>Dip Test at bottom of Hole 56</u>						

Log By.....

DIAMOND DRILL RECORD

Hole No. 3 Sheet No. 1
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Nov. 25, 1948
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle 45
 Working Place Claim T. 25904

Total Depth 404.0
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used 7/8
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00 18.0	Casing						
18.0 25.0	lightly sheared peridotite						
25.0 32.0	sheared peridotite						
32.0 37.0	peridotite with chromite mineralization and asbestos stringers.						
37.0 50.2	sheared peridotite						
50.2 51.8	peridotite with calcite and quartz stringers to 2" wide						
51.8 53.0	peridotite - gabbro contact - highly sheared gabbro						
53.0 54.0	lost core						
54.0 55.0	sheared gabbro						
55.0 55.5	sheared peridotite						
55.5 58.2	lost core						
58.2 84.0	highly sheared and serpentineized peridotite						
84.0 85.0	lost core						
85.0 87.0	sheared peridotite						
87.0 90.0	massive - dense - basic dyke - gradational contacts						

Log By.....

DIAMOND DRILL RECORD

No. 3 Sheet No. 2
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Nov. 25, 1948
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle 45
 Working Place Claim T. 25904

Total Depth 404.0'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used 7/8
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
90.0 95.0	peridotite - quartz and calcite stringers, sulphides on slip surfaces						
95.0 95.8	sulphides - mineralization in altered peridotite						
95.8 96.5	serpentinized peridotite						
96.5 99.4	gabbro (fine grained)						
99.4 125.0	highly sheared and serpentinized peridotite - calcite and quartz stringers						
125.0 150.0	peridotite with oxidized quartz and calcite stringers - sulphides on slip surfaces						
150.0 169.4	sheared peridotite with calcite and quartz stringers + sulphides on slip faces						
169.4 175.0	altered peridotite with disseminated sulphides						
175.0 186.3	mineralized (disseminated) peridotite (pyrrhotite)						
186.3 196.8	peridotite - light shearing						
196.8 198.2	quartz and calcite vein - no mineral						
198.2 202.5	shearing - peridotite						
202.5 205.7	carbonates						
205.7 223.0	carbonated schist						

Log By.....

DIAMOND DRILL RECORD

Hole No. 3 Sheet No. 3
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Nov. 25, 1948
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle 45
 Working Place Claim T. 25904

Total Depth 404.0'
 Ft. of Core Recovered.....
 % Recovery 7/8
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
223.0 269.0	andesite with narrow calcite stringers						
269.0 270.0	shearing - contact						
270.0 271.5	rhyolite - 6" quartz vein at 271.5 - no mineral						
271.5 282.8	rhyolite with narrow quartz and calcite stringer - epidote						
282.8 283.4	sulphide blebs and seams						
283.4 300.0	rhyolite cut by network of quartz and calcite stringers - epidote - chlorite - some brecciation - sulphide stringers at 291.0 - 291.5 - 296.0 - 296.3 - 297.1 - 299.0 - 2" quartz vein at 298.5						
300.0 318.3	rhyolite - altered - epidote - calcite and quartz stringers - sulphides stringers at: 303.6 - 307.2 - 307.8 - 309.0 - 309.5 - 314.3 - 317.4 - 317.8						
318.3 319.1	heavy sulphide mineralization (pentlandite)						
319.1	rhyolite						
	heavy sulphide mineralization - pentlandite and chalcopyrite						
	rhyolite - well mineralized - pentlandite at 321.8 to 322.0						
	quartz vein with 0.4' mineralized - pentlandite - quartz not mineralized						

Log By.....

DIAMOND DRILL RECORD

Hole No. 3 Sheet No. 4
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Nov. 25, 1948
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle 45
 Working Place Claim T. 25904

Total Depth 404.0'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used 7/8
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
325.9 339.4	rhyolite; alteration - with mineralized stringers at 330.0 - 330.4 - 335.4 - 336.1 - 337.2 - 338.6						
339.4 340.6	sulphides (pentlandite) disseminated						
340.4 342.2	rhyolite - epidote						
342.2 344.2	mineralized rhyolite						
344.2 346.1	silicified rhyolite with 1" quartz vein at 345.0						
346.1 350.0	(Fe.Ni) S.-CuFeS ₂ - mineralized rhyolite - quartz and calcite stringers - hydrothermal alteration						
350.0 351.4	brecciated rhyolite - altered to chlorite schist						
351.4 370.3	altered rhyolite - mineralized with (fe.Ni) S and CuFeS ₂						
370.3 375.0	lightly sheared and chloritized rhyolite - some sulphides						
375.0 404.0	brecciated rhyolite with network of calcite and quartz stringers - light mineralization - (18" quartz vein from 386.0 to 387.5 - no mineral)						
	Dip Test at bottom of Hole - 52						
Note:	Best sulphides 318' - 370' contact at 223' greenstone shears to end of hole						

Log By.....

DIAMOND DRILL RECORD

Hole No. 4 Sheet No. 1
 Property Zevly - Mann
 Drilled By Morissette
 Date Begun Dec. 1948
 Date Finished Dec. 4th, 1948
 Contractor's Footage.....

Co-ordinates Collar
 Lat. 527.5N-18E Dep. 26.0E
 Elev. Collar 17.0'
 Bearing S 32 W
 Angle 45 degrees
 Working Place Claim T. 25904

Total Depth 432.0'
 Ft. of Core Recovered.....
 % Recovery 7/8"
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 31.0	Casing						
31.0 37.5	diorite, diorite-gabbro contact at 37.5'						
37.5 38.6	fault gauge, gabbro						
38.6 39.2	coarse grained gabbro						
39.2 40.0	lost core						
40.0 41.2	coarse gabbro						
41.2 42.5	lost core						
42.5 43.5	coarse gabbro						
43.5 44.3	fault breccia, gabbro						
44.3 62.7	gabbro						
62.7 66.0	schisted peridotite, sulphides on slip faces						
66.0 67.0	lost core						
67.0 75.0	light sheared peridotite with calcite and quartz stringers						
75.0 86.0	sheared peridotite, dense grained						
86.0 117.0	peridotite, sulphides on slip faces.						

Log By.....

DIAMOND DRILL RECORD

Hole No. 4 Sheet No. 2
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
117.0 141.0	sheared and serpentized peridotite sulphides on slip faces, few quartz and calcite stringers.						
141.0 144.0	fault(?) , schisted and altered rhyolite						
144.0 157.0	brecciated and silicified rhyolite grading to schist @154.5'						
157.0 160.0	lost core						
160.0 162.3	sheared greenstone (andesite)						
162.3 164.0	lost core						
164.0 169.5	sheared greenstone						
169.5 175.3	schisted greenstone						
175.3 177.0	lost core						
177.0 185.0	schisted greenstone						
185.0 188.0	strong shear in serpentine (fault?)						
188.0 202.0	peridotite with network of calcite stringers						
202.0 209.0	gabbro with network of calcite stringers						
209.0 215.5	fine grained gabbro						
215.5 216.4	fine grained and schisted gabbro						

Log By.....

DIAMOND DRILL RECORD

No. 4 Sheet No. 3
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
216.4 218.5	<u>fine grained schisted gabbro,</u> <u>mineralized with pyrites, 6" quartz</u> <u>veins 217.0'</u>						
218.5 221.0	<u>quartz vein</u>						
221.0 225.0	<u>fine grained schisted gabbro</u> <u>with disseminated pyrite</u>						
225.0 225.5	<u>quartz vein, no mineral</u>						
225.5 230.0	<u>brecciated rhyolite</u>						
230.0 232.0	<u>lost core</u>						
232.0 253.0	<u>brecciated rhyolite</u>						
253.0 253.7	<u>quartz vein</u>						
253.7 260.00	<u>brecciated rhyolite</u>						
260.0 261.5	<u>lost core</u>						
261.5 280.3	<u>altered rhyolite, epidotized,</u> <u>with disseminated sulphides</u>						
280.3 283.8	<u>fine grained diabase dyke</u>						
283.8 300.0	<u>altered rhyolite, some epidote</u> <u>and scattered sulphide mineralization</u>						
300.0 305.0	<u>altered rhyolite with mineralized</u> <u>sections</u>						
305.0 307.8	<u>altered rhyolite with sulphides</u>						

Log By.....

DIAMOND DRILL RECORD

Hole No. 4 Sheet No. 4 Co-ordinates Collar
 Property Zevely - Mann Lat. : Dep.
 Drilled By..... Elev. Collar.....
 Date Begun..... Bearing.....
 Date Finished..... Angle.....
 Contractor's Footage..... Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
307.8 316.8	altered rhyolite, with sulphides						
316.8 325.0	altered rhyolite with light shearing, quartz veins @321.0 and sulphides @321.0; 322.0; 324.0; 325.0.						
325.0 348.8	brecciated and altered rhyolite with pyrite @326.0 and some chalcopyrite and pentlandite, 1" to 3" quartz veins @326.0; 327.0; 330.0; 334.0; 345.0						
348.8 354.0	rhyolite, fair mineralization with pyrite, arsenopyrite (?) chalcopyrite, and pentlandite, Quartz veins @350.3'; 351.3; 351.8; 352.8'.						
354.0 375.0	altered rhyolite with scattered sulphides. Quartz veins 1" to 2" wide @358.0; 360.0; 361.0; 362.5; 371.5.						
375.0 400.0	brecciated and altered rhyolite with scattered sulphides, quartz and calcite veins @385.0; 385.5; 391.0; to 2" wide.						
400.0 432.0	altered rhyolite scattered sulphides with narrow stringers of quartz and calcite.						
	Hole End - 432.0'	Dip Test @216.0' = 45 degrees					
		Dip Test @ 432.0' = 46.5 degrees					
Notes:	Contacts; - peridotite - grs. grs.-peridotite gabbro-rhyolite	@141' @168' @225'	diabase - 280 - 284' sulphide zone 305' - 325' gold assay 348.8' - 354.0'				

Log By.....

DIAMOND DRILL RECORD

No. 5 Sheet No. 1
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Dec. 7th, 1948
 Date Finished Dec. 9th, 1948
 Contractor's Footage.....

Co-ordinates Collar
 Lat. 465.0' N-18E Dep. 105.0' E
 Elev. Collar 37.0'
 Bearing S. 32 degrees W.
 Angle 45 degrees
 Working Place Claim T. 25904

Total Depth 350.0'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used 7/8"
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 39.0	Casing						
39.0 86.7	medium to fine grained gabbro with fault zone (?) 68.0 - 73.5						
86.7 88.7	sheared peridotite, chloritized						
88.7 90.0	lost core						
90.0 125.0	lightly sheared peridotite with narrow stringers of calcite						
125.0 162.0	fine grained peridotite						
162.0 167.5	strong shear in peridotite						
167.5 199.3	silicified and brecciated rhyolite with narrow bands of granitic material						
199.3 202.4	sheared and carbonated rhyolite with fine sulphides						
202.4 204.0	lost core						
204.0 204.8	sheared and carbonated rhyolite						
204.8 207.4	greenstone and andesite						
207.4 214.2	altered and brecciated rhyolite						
214.2 221.3	greenstone, andesite, gradational contacts.						
221.3 226.4	altered rhyolite.						

Log By.....

DIAMOND DRILL RECORD

No. 5 Sheet No. 2
 Property Zevally - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
226.4 250.0	rhyolite with bands of alteration, disseminated sulphides and small stringers of sulphides						
250.0 271.0	lightly sheared and altered rhyolite with fair to heavy sulphides.						
271.0 275.0	altered rhyolite, heavy sulphide mineralization						
275.0 284.5	altered rhyolite with heavy mineralization in short sections.						
284.5 291.3	altered rhyolite with fair to heavy sulphides.						
291.3 300.0	rhyolite with fair to heavy sulphide mineralization, calcite and quartz stringers.						
300.0 325.0	rhyolite, some alteration, sulphides @ 308.0; 311.5; 313.0; 314.0; 316.5; 319.0; 320.0; 322.0						
325.0 338.0	rhyolite with some alteration and seams of calcite stringers, sulphides @ 335.0; to 337.2						
338.0 350.0	sheared rhyolite with quartz and calcite stringers, sulphides @ 347.5; 348.5; 350.0						
NOTES:	Hole End - 350.0' Dip Test @ 350.0' - 45 degrees. Contact: peridotite-rhyolite 267' sulphide zone 250 - 300' no diabase strong shearing in last 15' of core.						

Log By.....

DIAMOND DRILL RECORD

No. 6 Sheet No. 1 Co-ordinates Collar
 Property Zevely - Mann Lat. 52.0 Dep.
 Drilled By Morissette Elev. Collar 52.0
 Date Begun Dec. 18th, 1948 Bearing S 32 degrees W
 Date Finished Dec. 17th, 1948 Angle 45 degrees
 Contractor's Footage Working Place Claim T25904

Total Depth 397.0'
 Ft. of Core Recovered
 % Recovery
 Size Bit Used 7/8"
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.00 55.0	casing						
55.0 59.2	coarse gabbro						
59.2 60.0	lost core						
60.0 62.0	sheared gabbro, fault (?) @ 62.0'						
62.0 64.0	lost core						
64.0 65.5	gabbro, fault gauge ?						
65.5 97.7	coarse gabbro grading to fine grained gabbro toward contact @ 97.7'						
97.7 98.5	sheared peridotite						
98.5 100.0	lost core						
100.0 113.5	lightly sheared peridotite with calcite stringers						
113.5 133.7	peridotite						
133.7 134.4	lost core						
134.4 147.0	sheared peridotite						
147.0 150.0	fine grained altered gabbro						
150.0 174.0	rhyolite with few quartz and calcite stringers						

Log By.....

DIAMOND DRILL RECORD

No. 6 Sheet No. 2
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
174.0 176.0	dense grained gabbro						
176.0 184.8	brecciated rhyolite						
184.8 190.2	sheared greenstone						
190.2 192.5	lost core						
192.5 207.5	strongly sheared greenstone						
207.5 210.0	lost core						
210.0 211.4	sheared greenstone						
211.4 212.0	lost core						
212.0 213.0	strongly sheared greenstone						
213.0 215.0	lost core						
215.0 217.0	lightly sheared greenstone						
217.0 250.0	brecciated rhyolite, sulphides @233.0; 238.0; 241.5; 246.3; 247.0; 248.0; 249.5;						
250.0 275.0	brecciated and altered rhyolite, sulphides @250.4; 251.2; 252.7; 253.6; 254.1; 255.2; 260.7; 261.9; 265.7; 266.4; 273.7; 267.4; 268.0; 271.3; 272.0; 273.5; 275.0; quartz at 260.0'						

Log By.....

DIAMOND DRILL RECORD

Hole No. 6 Sheet No. 3 Co-ordinates Collar
 Property Zevely - Mann Lat. : Dep.
 Drilled By. Elev. Collar
 Date Begun. Bearing
 Date Finished. Angle
 Contractor's Footage. Working Place

Total Depth
 Ft. of Core Recovered
 % Recovery
 Size Bit Used
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
275.0 300.0	brecciated and altered rhyolite with sulphides at 275.2; 276.2; 281.2; 294.0; few quartz and calcite stringers.						
300.0 325.0	brecciated and altered rhyolite with sulphides @ 306.0; 308.0; 309.5; 319.5; 321.5; 323.5; few quartz and calcite stringers						
325.0 350.0	silicified and brecciated rhyolite with sulphides at 332.0; 338.0; 341.0; 348.5; few quartz and calcite stringers.						
350.0 375.0	brecciated rhyolite with light shearing. Numerous quartz and calcite stringers.						
375.0 397.0	rhyolite with quartz and calcite stringers; some alteration and light shearing.						
	HOLE END - 397.0'						
	Dip Test @ 200' - 45 degrees						
	Dip Test @ 397' - 47 degrees						
	Main contact @ 150' to 233' to 350'. Scattered sulphides						

Log By.....

DIAMOND DRILL RECORD

Hole No. 7 Sheet No. 1
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Dec. 19th, 1948
 Date Finished Jan. 5th, 1949
 Contractor's Footage.....

Co-ordinates Collar
 Lat.....
 Elev. Collar 52.0'
 Bearing.....
 Angle 45 degrees
 Working Place Claim T25904

Total Depth 373.0'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 53.0	Casing						
53.0 63.0	coarse gabbro						
63.0 65.0	sheared gabbro						
65.0 69.0	coarse gabbro						
69.0 70.5	sheared gabbro						
70.5 72.6	lost core						
72.6 74.7	gabbro (fault gauge ?)						
74.7 75.6	gabbro						
75.6 77.8	lost core						
77.8 90.9	lightly sheared and brecciated gabbro						
90.9 91.2	Quartz vein, no mineral						
91.2 93.8	coarse gabbro						
93.8 95.8	lost core						
95.8 98.7	lightly sheared gabbro (contact)						
98.7 103.0	strongly sheared peridotite with calcite stringers.						

Log By.....

DIAMOND DRILL RECORD

Hole No. 7 Sheet No. 2
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
103.0 117.2	lightly sheared peridotite with quartz and calcite stringers.						
117.2 119.1	lost core						
119.1 135.5	lightly sheared and serpentized peridotite with calcite and quartz stringers and sulphides on slip faces.						
135.5 147.5	strongly sheared peridotite						
147.5 155.6	green carbonated schist.						
155.6 161.0	greenstone (andesite)						
161.0 172.0	gabbro						
172.0 177.2	greenstone (andesite)						
177.2 179.0	lost core						
179.0 187.0	amphibolite grading into peridotite with wuartz and calcite stringers.						
187.0 190.4	porphyritic rhyolite						
190.4 231.7	peridotite, vesicular with calcite filling in sections, quartz and calcite stringers						

Log By.....

DIAMOND DRILL RECORD

Hole No. 7 Sheet No. 3 Co-ordinates Collar
 Property Zevely - Mann Lat. : Dep.
 Drilled By Elev. Collar
 Date Begun Bearing
 Date Finished Angle
 Contractor's Footage Working Place

Total Depth
 Ft. of Core Recovered
 % Recovery
 Size Bit Used
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
251.7 238.2	greenstone						
238.2 275.0	rhyolite with altered sections and stringers of quartz and calcite, sulphides at 258.0'; and 258.2'.						
275.0 320.0	rhyolite, altered and brecciated in sections, stringers of calcite and quartz, sulphides @ 277.0; 277.8; 283.6; 298.8; 302.0; 302.2; 308.2; 309.7; 314.6; 316.2;						
320.0 323.0	talc schist						
323.0 324.2	altered rhyolite with 4" quartz vein from 323.8 to 324.2.						
324.2 326.0	lost core						
326.0 333.5	altered rhyolite with quartz and calcite stringers						
333.5 335.0	lost core						
335.0 343.0	sheared and altered rhyolite						
343.0 355.6	brecciated rhyolite with quartz vein from 355.0 to 355.6						
355.6 360.3	fine grained gabbro with scattered sulphides						
360.0 373.0	brecciated rhyolite with few quartz stringers.						
Hole end: 373.0' Dip Test 323.0' - 42 degrees		NOTES: contact peridotite-greenstone @ 321.7' Sulphides 275 to 320 feet no samples taken.					

Log By

DIAMOND DRILL RECORD

Hole No. 8 Sheet No. 1
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Jan. 6th, 1949
 Date Finished Jan. 10th, 1949
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar 52.5'
 Bearing.....
 Angle 45 degrees
 Working Place Claim T25904

Total Depth 400'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used 7/8"
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 75.0	casing						
75.0 82.5	peridotite with few calcite stringers						
82.5 84.0	fault gauge in peridotite						
84.0 87.0	peridotite with few calcite stringers						
87.0 89.0	lost core						
89.0 99.0	peridotite showing light shearing						
99.0 100.0	lost core						
100.0 106.6	lightly sheared peridotite with few quartz & calcite stringers						
106.6 107.0	disseminated copper sulphides						
107.0 112.0	lightly sheared peridotite with few calcite and quartz stringers						
112.0 126.2	peridotite with heavy shearing, few calcite & quartz stringers						
126.2 138.5	dense grained gabbro						
138.5 139.0	altered and oxidized peridotite						
139.0 140.0	lost core						
140.0 146.0	altered and oxidized peridotite with quartz & Calcite stringers						

Log By.....

DIAMOND DRILL RECORD

Core No. 8 Sheet No. 2
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
146.0 147.5	lost core						
147.5 181.5	altered and oxidized peridotite						
181.5 184.5	altered and oxidized peridotite with light shearing, graphite and Chromium (?)						
184.5 186.2	lost core						
186.2 205.0	lightly sheared peridotite with phenocrysts of calcite or feldspar						
205.0 206.0	lost core						
206.0 208.0	peridotite						
208.0 209.0	lost core						
209.0 227.2	peridotite with minor calcite & Quartz stringers						
227.2 236.1	greenstone with 4" calcite vein at 235.0'						
236.1 236.8	rhyolite						
236.8 238.0	lost core						
238.0 241.0	rhyolite						
241.0 241.5	sheared peridotite						
241.5 243.0	lost core						

Log By.....

DIAMOND DRILL RECORD

Core No. 8 Sheet No. 3
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
243.0 261.2	altered and sheared peridotite Small quartz vein from 255.0 to 260.2, sulphides on slip faces.						
261.2 262.8	lost core						
262.8 292.0	peridotite out by calcite and quartz stringers. Some dissemin- ated sulphides and sulphides on slip faces.						
292.0 297.0	rhyolite with some sulphides						
297.0 302.2	greenstone with quartz vein at 3 300.2'						
302.2 310.3	lightly sheared rhyolite						
310.3 311.8	lost core						
311.8 317.6	lightly sheared rhyolite						
317.6 342.5	silicified and slightly altered rhyolite with quartz stringers						
342.5 343.5	lost core						
343.5 400.0	rhyolite with quartz stringers and some brecciations, slight alter- ation and 2" sulphides at 382.0'						
	Hole End = 400.0'						
	Note:- peridotitegreen stone contact at 292.0'						

Log By.....

DIAMOND DRILL RECORD

No. 9 Sheet No. 1
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Jan. 11, 1949
 Date Finished Jan. 16, 1949
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... Dep.....
 Elev. Collar 52.5'
 Bearing S 32 W
 Angle 45 degrees
 Working Place Claim T25904

Total Depth 525.0'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used 7/8"
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 35.0	casing						
35.0 92.0	peridotite with narrow seams of asbestos and actinolite grading into spotted (feldspar phenocrysts) peridotite @ 57.1'						
92.0 95.0	spotted peridotite with asbestos seams and light shearing						
95.0 108.0	spotted peridotite with asbestos seams						
108.0 128.0	fine grained peridotite with asbestos seams						
128.0 140.0	spotted peridotite with asbestos seams						
140.0 146.0	peridotite with some shearing						
146.0 147.7	lost core						
147.7 192.3	dense, silicified gabbro grading into medium grained gabbro at 155'						
192.3 201.4	fine grained gabbro						
201.4 226.6	lightly sheared peridotite with calcite and quartz stringers						
226.6 251.4	andesite with few calcite and quartz stringers						
251.4 254.0	peridotite with strong shearing						
254.0 256.0	lost core						

Log By.....

DIAMOND DRILL RECORD

No. 9 Sheet No. 2
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
256.0 265.8	andesite with strong shearing, and talc schist						
265.8 267.0	lost core						
267.0 273.0	crushed and altered andesite						
273.0 275.0	lost core						
275.0 280.5	crushed and highly sheared andesite altered to talc schist						
280.5 296.0	sheared peridotite with network of calcite stringers - disseminated sulphides and sulphides on slip faces.						
296.0 296.7	lost core						
296.7 308.0	sheared peridotite with calcite stringers						
308.0 309.0	lost core						
309.0 316.5	sheared andesite with calcite stringers						
316.5 318.3	crushed and sheared andesite with calcite stringers						
318.3 320.8	fine grained andesite						
320.8 321.6	broken core, possible fault						
321.6 324.5	andesite breccia with alteration and shearing.						

Log By.....

HOLE NO. 9 EXTENSION 525.0' to 823.0'
DIAMOND DRILL RECORD

No. **9 Ex.** Sheet No. **1** Co-ordinates Collar
 Property **Zevely - Mann** Lat. _____; Dep. _____ Total Depth **823.0'**
 Drilled By **Morissette** Elev. Collar **52.5'** Ft. of Core Recovered _____
 Date Begun **Feb. 12, 1949** ~~mann~~ Angle **45 degrees** % Recovery _____
 Date Finished **Feb. 18, 1949** Working Place **Claim T25904** Size Bit Used _____
 Contractor's Footage _____ Size Core **7/8"**

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
525.0 533.0	rhyolite slightly brecciated with narrow bands of alteration						
533.0 535.0	rhyolite with closely spaced quartz stringers and bands of alteration						
535.0 550.0	rhyolite lightly brecciated and altered 2" quartz vein at 541.0' 7" quartz vein at 542.5', sulphides at 539.2; 543.1; 544.2; 549.6.						
550.0 557.0	rhyolite with narrow alteration bands, sulphides @ 552.0; 554.2; 556.2; 556.7.						
557.0 560.0	lightly sheared rhyolite with closely spaced calcite and quartz stringers.						
560.0 575.0	rhyolite with bands of alteration, 5" of quartz @ 571.0; sulphides @ 563.5; 565.0; 568.3; 570.0; 571.0; 571.6; 573.0; 573.4; 575.0						
575.0 584.0	rhyolite with disseminated sulphides 10" mineralized quartz vein from 579.1 - 580.0, 18" mineralized quartz vein from 581.1; 582.7; 5" vein at 583.5						
584.0 597.0	rhyolite with some alteration and narrow quartz stringers, disseminated sulphides from 586.4 to 592.0						
597.0 623.0	rhyolite, coarser grained starting 604.0' some phenocrysts developed, probably andesite-rhyolite, few calcite and quartz stringers.						

Log By.....

DIAMOND DRILL RECORD

No. 9 Sheet No. 3 Co-ordinates Collar
 Property Zevely - Mann Lat..... : Dep..... Total Depth.....
 Drilled By..... Elev. Collar..... Ft. of Core Recovered.....
 Date Begun..... Bearing..... % Recovery.....
 Date Finished..... Angle..... Size Bit Used.....
 Contractor's Footage..... Working Place..... Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
324.5 331.5	silicified andesite with sulphides showing at 327.0; 328.0; 330.5;						
331.5 350.6	rhyolite breccia with sulphides seams and grains showing at 333.0; 335.2; 340.1; 344.1; 347.5; 349.0; 349.3; 349.6.						
350.6 351.8	rhyolite with fair sulphide mineralization						
351.8 354.3	rhyolite with sparsely disseminated sulphides						
354.3 356.7	altered rhyolite with fairly heavy sulphide mineralization						
356.7 375.0	rhyolite breccia with sulphides at: 358.5; 359.5; 361.3; 362.0; 363.0; 363.5; 364.5; 366.5; 368.3; 371.2; 374.0.						
375.0 384.9	rhyolite breccia with calcite and quartz stringers, sulphides at 377.5; 381.5; to 382.0						
384.9 386.4	altered rhyolite breccia with fair sulphide mineralization						
386.4 391.1	rhyolite breccia with disseminated sulphide mineralization						
391.1 400.0	altered rhyolite breccia with sulphides at 392.0; 393.5; 395.0; 395.5; 399.9;						
400.0 406.6	gabbro, fine to dense grained						
406.6 410.6	rhyolite breccia with quartz stringers and sulphides at 409.5'						
410.6 413.9	fine grained gabbro with finely disseminated sulphides.						

Log By.....

DIAMOND DRILL RECORD

No. 9 Sheet No. 4 Co-ordinates Collar
 Property Zevely - Mann Lat. : Dep.
 Drilled By..... Elev. Collar.....
 Date Begun..... Bearing.....
 Date Finished..... Angle.....
 Contractor's Footage..... Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
413.9 418.8	rhyolite						
418.8 421.8	dense grained andesite or dyke						
421.8 435.3	brecciated rhyolite with some alteration and some calcite and quartz stringers						
435.3 437.1	altered rhyolite with fair sulphide mineralization						
437.1 446.6	rhyolite breccia with calcite & quartz stringers						
446.6 448.4	lost core						
448.4 457.6	rhyolite breccia some alteration and quartz and calcite stringers and disseminated sulphides.						
457.6 459.5	quartz diabase dyke						
459.5 474.1	altered and silicified rhyolite, 12" quartz vein 460.0 - 461.0'; also quartz from 466.0 - 467.0; 469.0 to 470.0'; sulphides at 467.5; 471.8; 474.0.						
474.1 482.0	lost core						
482.0 498.3	altered rhyolite with quartz stringers and veins, sulphides at 482.5; 484.0; 484.4						
498.3 500.0	lost core						
500.0 503.1	lightly sheared Rhyolite with quartz stringers.						
503.1 505.0	lost core						

Log By.....

DIAMOND DRILL RECORD

No. 10 Sheet No. 1
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun April 1, 1949
 Date Finished April 5, 1949
 Contractor's Footage.....

Co-ordinates Collar
 Lat. L-18E 150.0N 00.00
 Elev. Collar 57.5
 Bearing S 01 Degree W
 Angle 50 degrees
 Working Place Claim T25904

Total Depth 445.0'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core 7/8"

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 64.0	casing						
64.0 75.0	peridotite						
75.0 79.0	strongly sheared & serpentized peridotite						
79.0 80.0	lost core						
80.0 124.0	strongly sheared & serpentized peridotite with calcite and asbestos strings						
124.0 125.0	lost core						
125.0 126.0	strongly sheared peridotite						
126.0 127.0	lost core						
127.0 142.0	strongly sheared & serpentized peridotite with calcite seams						
142.0 143.0	lost core						
143.0 149.0	strongly sheared & serpentized peridotite with calcite stringers						
149.0 150.0	lost core						
150.0 163.0	sheared peridotite						
163.0 165.0	lost core						



Cores in chart on T25904

all Log By And Kallwasser

DIAMOND DRILL RECORD

Hole No. 10 Sheet No. 2
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
165.0 175.0	dense fine grained peridotite						
175.0 177.0	lost core						
177.0 184.0	strongly sheared peridotite, serpentinized with calcite and asbestos stringers						
184.0 189.0	lost core						
189.0 196.0	sheared peridotite						
196.0 197.5	lost core						
197.5 203.5	sheared peridotite						
203.5 211.1	andesite-rhyolite						
211.1 217.0	andesite rhyolite						
217.0 250.0	rhyolite, 6" of quartz @ 218.0 12" of quartz @ 219 - 220'						
250.0 276.2	rhyolite with quartz & calcite stringers and altered in sections, few sulphides.						
276.2 282.5	fine grained gabbro						
282.5 295.0	altered rhyolite with calcite & quartz seams, and disseminated sulphides						

Log By.....

DIAMOND DRILL RECORD

Hole No. 10 Sheet No. 3
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
295.0 297.0	andesite-rhyolite or fine gabbro						
297.0 307.8	altered rhyolite with narrow quartz & calcite stringers & seams of sulphides						
307.8 308.3	heavy sulphides in altered rhyolite and quartz						
308.3 315.0	rhyolite with bands and seams of alteration						
315.0 325.0	andesite-rhyolite with narrow seams of alteration						
325.0 350.0	andewite-rhyolite with closely spaced bands of alteration, calcite and quartz stringers & few sulphides						
350.0 375.0	andesite-rhyolite with calcite and quartz stringers to 6" wide, few sulphides.						
375.0 400.0	lightly altered rhyolite with calcite and quartz stringers, disseminated sulphides.						
400.0 421.5	coarser grained andesite-rhyolite with quartz & calcite stringers						
421.5 425.2	fault breccia						
425.2 426.2	lost core						

Log By.....

DIAMOND DRILL RECORD

No. 10 Sheet No. 4
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
426.2 430.7	fault breccia						
430.7 432.6	lost core						
432.6 433.9	fault breccia						
433.9 434.7	lost core						
434.7 438.0	fault breccia						
438.0 439.0	lost core						
439.0 442.0	fault breccia						
441.0 444.0	lost core						
444.0 445.0	dense sheared rhyolite.						
	END OF HOLE 445.0'						
	Dip Tests:						
	220.0' ~ 44 degrees						
	445.0' ~ 45 degrees						

Log By.....

DIAMOND DRILL RECORD

Hole No. 11 Sheet No.
 Property Zevily - Mann
 Drilled By Morissette
 Date Begun May 4th, 1949
 Date Finished May 9th, 1949
 Contractor's Footage

Co-ordinates Collar
 Lat. L-24.5500N ; Dep. 00.0
 Elev. Collar 59.0'
 Bearing south
 Angle 45 degrees
 Working Place Claim T25905

Total Depth 734.0'
 Ft. of Core Recovered
 % Recovery
 Size Bit Used 7/8"
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 61.0	casing						
61.0 141.3	peridotite, coarse to fine grained with asbestos stringers						
141.3 175.0	gabbro						
175.0 183.0	gabbro, light colored						
183.0 200.0	gabbro, more basic with dioritic texture, short sections of fine grained black looking material						
200.0 377.0	gabbro, alternating light and dark colored sections						
377.0 398.5	peridotite, fine grained						
398.5 406.0	gabbro, light green colored and fine grained						
406.0 436.6	peridotite with calcite and quartz stringers on slip faces.						
436.6 509.5	gabbro - medium grained						
509.5 522.6	peridotite, dense grained						
522.6 535.0	peridotite with growth of feldspar phenocrysts						
535.0 551.0	peridotite, dense grained and sheared.						
551.0 564.6	peridotite, coarse grained with feldspar phenocrysts, network of calcite and quartz stringers.						

Log By

DIAMOND DRILL RECORD

Log No. 11 Sheet No. 2 Co-ordinates Collar
 Property Zevely - Mann Lat. : Dep.
 Drilled By Elev. Collar
 Date Begun Bearing
 Date Finished Angle
 Contractor's Footage Working Place

Total Depth
 Ft. of Core Recovered
 % Recovery
 Size Bit Used
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
584.6 573.0	andesite-rhyolite						
573.0 625.0	andesite-rhyolite, brecciated with light shearing near contact, chloritized						
525.0 734.0	andesite-rhyolite with few calcite and quartz stringers, Coarser grained material in sections.						
	HOLE END - 734.0'						
	DIP TESTS						
	350.0' - 43 degrees						
	734.0' - 43 degrees						

Log By.....

DIAMOND DRILL RECORD

No. 14 Sheet No. 1
 Property Zevly - Mann
 Drilled By Morissette
 Date Begun Jan. 18th, 1949
 Date Finished Jan. 27th, 1949
 Contractor's Footage.....

Co-ordinates Collar
 Lat.....
 Elev. Collar 26.0' Dep.....
 Bearing S 32 degrees W
 Angle 45 degrees
 Working Place Claim T. 25904

Total Depth 867.0'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core 7/8"

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 19.0	Casing						
19.0 107.0	peridotite with seams of actinolite, asbestos & Calcite						
107.0 109.0	peridotite, crushed core with disseminated sulphides						
109.0 110.0	lost core						
110.0 114.0	peridotite						
114.0 119.2	peridotite, crushed and chloritized with some calcite seams						
119.2 120.0	lost core						
120.0 122.0	crushed peridotite						
122.0 124.0	lost core						
124.0 161.0	lightly sheared peridotite with disseminated sulphides						
161.0 185.1	gabbro, medium to fine grained						
185.1 292.0	highly sheared peridotite						
292.0 346.0	highly sheared peridotite						
346.0 347.0	lost core						
347.0 350.5	sheared peridotite						

Log By.....

DIAMOND DRILL RECORD

No. 14 Sheet No. 2
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
350.5 354.2	lightly sheared peridotite						
354.2 355.0	lost core						
355.0 356.5	peridotite, coarse grained, with small amount of disseminated sulphides						
356.5 358.1	lost core						
358.1 419.8	lightly sheared peridotite, coarse grained in sections, calcite & quartz stringers.						
419.8 420.0	rhyolite (?) peridotite						
420.0 422.0	lost core						
422.0 426.0	rhyolite breccia (?(peridotite						
426.0 428.0	lost core						
428.0 437.0	peridotite						
437.0	rhyolite-andesite contact						
437.0 443.0	rhyolite breccia						
443.0 449.9	rhyolite andesite						
449. 466.3	rhyolite breccia with sulphides @456.0; 460.1; 462.0; 465.4; 466.3						

Log By.....

DIAMOND DRILL RECORD

No. 14 Sheet No. 3 Co-ordinates Collar
 Property Zevely - Mann Lat. : Dep.
 Drilled By..... Elev. Collar.....
 Date Begun..... Bearing.....
 Date Finished..... Angle.....
 Contractor's Footage..... Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
466.3 468.0	probably flow top breccia or chaotic bed						
468.0 481.5	rhyolite with sulphides @470.1; 477.5						
481.5 492.0	rhyolite-andesite, dark green						
492.0 503.0	lightly sheared rhyolite with sulphides @493.1; 493.5; 496.0;						
	500.5; 501.5; calcite and quartz stringers and veins						
503.0 542.5	rhyolite with network of calcite and quartz stringers, sulphides @503.8						
542.5 544.5	mica lamprophyre dyke						
544.5 619.1	rhyolite breccia with closely spaced calcite and quartz stringers to 4" wide sulphides @552.5; 570.0; 573.0; 574.2; 583.4; 588.2; 591.0; 591.5; 592.5; 593.5; 596.2; 597.5; 598.5; 600.0; 602.0; 605.1; 606.1; 607.0; 610.5; 612.0.						
619.1 633.5	gabbro, fine to medium grained with disseminated sulphides						
633.5 691.3	rhyolite, 12" qu. vein at 673.0 6" vein at 675.5 -676.0, also numerous quartz & calcite stringers, sulphides @ 636.0; 637.0; 638.5; 640.0; 641.0; 645.0; 646.0; 648.0; 649.5; 651.5; 652.0; 653.0; 655.0; 666.5; 667.0; 673.0; 674.5; 683.0; 690.0;						

Log By.....

DIAMOND DRILL RECORD

Hole No. 14 Sheet No. 4
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
691.3 699.6	fine grained gabbro dyke						
699.6 735.4	rhyolite breccia, sulphides @ 728.6; 731.5; 732.0; 735.4						
735.4 739.0	fine grained gabbro with sulphides at 736.5						
739.0 740.4	fine grained gabbro, fair sul- phides mineralization						
740.4 746.0	fine grained gabbro						
746.0 770.0	rhyolite, silicified and altered in sections, some mineralized quartz and calcite veins, sul- phides at: 750.0; 752.0; 753.0; 754.0; 760.0; 760.2; 762.1; 762.5; 763.0; 764.0; 764.5; 765.1; 765.5; 766.5; 767.3; 768.0; 768.5;						
770.0 799.0	fine grained diorite or diabase with feldspar phenocrysts, sul- phides at 778.0; 784.0; 786.0; 787.0;						
799.0 814.2	rhyolite with sulphides at 802.0; 809.0; 811.0; 811.5;						
814.2 820.0	rhyolite with disseminated sul- phides						
820.0 825.0	rhyolite with disseminated sul- phides						
825.0 826.7	rhyolite, sulphides at 826.0;						

Log By.....

DIAMOND DRILL RECORD

Log No. **14** Sheet No. **5**
 Property **Zevely - Mann**
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
826.7 827.5	rhyolite-andesite with fractures sericitized and epidotized						
827.5 831.5	rhyolite						
831.5 832.8	rhyolite-andesite with fractures sericitized and epidotized						
832.8 839.5	rhyolite						
839.5 840.2	rhyolite-andesite with fractures sericitized and epidotized						
840.2 867.0	rhyolite						
867.0							
	HOLE END - 867.0'						
	Note 1: peridotite-gabbro contact	●	161.0'				
	2: gabbro-peridotite contact	●	185.1'				
	3: sheared peridotite	●	185.- 346'				
	4: peridotite-rhyolite contact	●					

Log By.....

DIAMOND DRILL RECORD

No. 15 Sheet No. 1 Co-ordinates Collar
 Property Sevely - Mann Lat. : Dep.
 Drilled By Morissette Elev. Collar
 Date Begun Jan. 29th, 1949 Bearing S 32 W
 Date Finished Feb. 2nd, 1949 Angle 45 degrees
 Contractor's Footage Working Place Claim T25904

Total Depth 397.6
 Ft. of Core Recovered
 % Recovery
 Size Bit Used
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 79.0	casing						
79.0 82.0	medium grained gabbro						
82.0 84.0	lost core						
84.0 119.4	peridotite with few calcite stringers and sulphides on slip faces						
119.4 121.4	peridotite, crushed						
121.4 137.5	peridotite, lightly sheared with calcite and quartz stringers, sulphides on slip faces						
137.5 148.5	gabbro, basic and fine grained, highly altered with disseminated sulphides						
148.5 196.0	rhyolite, slightly altered, brecciated in sections						
196.0 197.0	lost core						
197.0 275.0	rhyolite, some alteration, sulphides @ 200.5; 201.0; 211.0; 212.0; 213.0; 233.5; 240.0; 243.0; also few quartz stringers, 242.6-243.0. 4" sulphides						

Log By.....

DIAMOND DRILL RECORD

No. 16 Sheet No. 1 Co-ordinates Collar
 Property Zevely - Mann Lat. L-8E -319.0N, 7.0' W Total Depth 999.0'
 Drilled By Morissette Elev. Collar
 Date Begun Mar. 2nd, 1949 Bearing Vertical Hole Ft. of Core Recovered
 Date Finished Mar. 15th, 1949 Angle Vertical % Recovery
 Contractor's Footage Working Place Claim T25904 Size Bit Used 7/8"
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.00 25.0	casing						
25.0 72.0	rhyolite breccia with altered sections and sulphides @ 66.5'						
72.0 72.5	calcite vein						
72.5 89.0	rhyolite breccia with light to strong shearing near peridotite contact, few calcite stringers						
89.0 95.0	strongly sheared peridotite with network of calcite stringers.						
95.0 98.0	strongly sheared gabbro with network of calcite stringers						
98.0 102.3	strongly sheared black and very dense metamorphosed basic dyke						
102.3 103.6	fine grained and sheared						
103.6 106.6	andesite-rhyolite						
106.6 108.4	sheared rhyolite breccia						
108.4 111.5	andesite-rhyolite						
111.5 117.6	sheared rhyolite breccia, few quartz stringers						
117.6 124.9	andesite-rhyolite with 2" quartz calcite vein at 124.0'						
124.9 150.0	lightly sheared rhyolite with few calcite and quartz seams						

Log By.....

DIAMOND DRILL RECORD

No. 16 Sheet No. 2
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
150.0 180.7	lightly sheared rhyolite with narrow calcite and quartz vein, sulphides at 163.5; 167.0; 170.5; 171.5						
180.7 183.8	altered rhyolite with disseminated sulphides						
183.8 184.7	rhyolite						
184.7 187.6	altered rhyolite with disseminated sulphide mineralization						
187.6 190.4	rhyolite with calcite vein, fair mineralization						
190.4 200.0	rhyolite with sulphides at 191.3; 195.2; 195.8; 197.7						
200.0 201.7	rhyolite, altered with sulphides at 200.7						
201.7 202.6	rhyolite with disseminated sulphide mineralization						
202.6 204.5	rhyolite						
204.5 205.1	rhyolite with disseminated mineralization						
205.1 206.9	rhyolite						
206.9 207.8	disseminated sulphide mineralization in andesite-rhyolite						
207.8 214.6	rhyolite with bands of alteration qu. & Calcite stringers, some sulphides at 210.7; 213.2						
214.6 215.3	disseminated sulphide mineralization in andesite-rhyolite						

Log By.....

DIAMOND DRILL RECORD

No. 16 Sheet No. 3
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
215.3 218.5	rhyolite, calcite and quartz stringers and some alteration						
218.5 220.0	disseminated sulphides in andesite- rhyolite						
220.0 226.4	rhyolite with some alteration. Some disseminated sulphides from 220.0 to 221.0 and sulphides at 224.3						
226.4 226.9	disseminated sulphide mineralization in andesite-rhyolite (andesite-						
226.9 227.8	rhyolite with disseminated sul- phides and seams of sulphides.						
227.8 248.0	rhyolite with bands of alteration with qu. and calcite veins, sul- phides at : 234.0; 235.1; 241.5; 242.5; 243.5; 245.0; 246.0 and 247.5						
248.0 267.5	rhyolite breccia with some sheared and network of quartz & calcite stringers; sulphides at 251.5; 252.5; 253.2; 261.0; 268.0						
267.5 273.0	rhyolite with some silicification chloritized and epidotized						
273.0 276.4	lamprophyre dyke						
276.4 294.0	lightly sheared rhyolite with network of calcite & quartz stringers, 6" qu. at 281.0'						
294.0 325.0	rhyolite with light shearing and some breccia fragments, few qu. & calcite veins, sulphides @ 321.0'						
325.0 350.0	rhyolite showing flow structure, few qu. & calcite stringers, sul- phides at 325.0; 326.0; 336.0; 336.5; 338.5; 339.5; 344.0; 345.6;						

Log By.....

DIAMOND DRILL RECORD

Hole No. 16 Sheet No. 4
 Property Zevly - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
350.0 375.0	rhyolite with bands of alteration and showing flow structure, few quartz & calcite stringers, disseminated sulphides at: 351.5; 354.3; 356.0; 358.0; 361.0; 364.5; 367.0; 370.0						
375.0 398.2	rhyolite with narrow alteration bands, silicified and chloritized, few qu. & calcite stringers, sulphides at: 376.0; 379.5; 382.5; 383.0; 388.5; 389.5; 392.6.						
398.2 426.3	fine grained dyke (? rock no contacts, few quartz veins and stringers						
426.3 450.0	rhyolite with mineralized quartz stringers						
450.0 475.0	rhyolite with some altered sections						
475.0 500.0	silicified rhyolite with altered bands, sulphides at 477.0; 481.0; 485.0; 486.5; 488.5; 491.5; 492.4; 499.3						
500.0 504.0	quartz vein with few sulphides near both walls						
504.0 507.0	rhyolite breccia						
507.0 513.0	rhyolite with some epidote and few quartz stringers						
513.0 515.6	rhyolite with quartz veins						
515.6 525.0	rhyolite with some breccia sections						
525.0 548.9	rhyolite with quartz vein at 543.0						

Log By.....

DIAMOND DRILL RECORD

No. 16 Sheet No. 5
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
548.9 567.8	andesite-rhyolite						
567.8 600.0	dense grained rhyolite						
600.0 618.4	rhyolite with narrow seams of calcite and quartz						
618.4 622.6	andesite-rhyolite with feldspar phenocrysts						
622.6 711.5	rhyolite with seams of calcite and quartz						
711.5 745.0	andesite-rhyolite, black specked						
745.0 775.0	altered andesite-rhyolite						
775.0 850.0	coarse to medium grained diorite or diabase						
850.0 892.0	fine grained diorite or diabase						
892.0 974.0	no contact with above, may be diabase textured flow or diorite or diabase dyke as above						
974.0 989.0	reddish with phenocrysts, no contact with above, diabase, or diorite or syenite, or phase of 775.0 to 989.0						
989.0 999.0	altered dark rock, may be top of peridotite or basic dyke.						
	END OF HOLE @ 999.0'						
	Dip Test at 500.0' - 67 degrees						
	" " " 750.0' - 68 "						
	" " " 999.0' - 70.5 "						

Log By.....

DIAMOND DRILL RECORD

No. 17 Sheet No. 1 Co-ordinates Collar
 Property Zavelly - Mann Lat L-12E 852 ON Dep. 41.0 E Total Depth 1145.0'
 Drilled By Morissette Elev. Collar 14.5' Ft. of Core Recovered.....
 Date Begun Mar. 17th, 1949 Bearing vertical % Recovery.....
 Date Finished Mar. 31st, 1949 Angle vertical Size Bit Used 7/8"
 Contractor's Footage..... Working Place Claim #25904 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 15.0	casing						
15.0 95.0	peridotite, fine grained with few quartz, calcite and asbestos stringers						
95.0 100.0	peridotite, type sample for nickle content						
100.0 102.0	peridotite, type sample for nickle content						
102.0 130.4	peridotite with network of narrow asbestos seams						
130.4 139.0	peridotite, few seams of asbestos						
139.0 195.2	peridotite, coarse grained with feldspar phenocrysts						
195.2 215.8	gabbro, medium grained						
215.8 235.5	peridotite, fine grained & lightly sheared with asbestos & calcite seams						
235.5 293.5	peridotite, medium grained, feldspar phenocrysts & calcite stringers.						
293.5 341.5	peridotite, medium grained with calcite, quartz & asbestos stringers.						
341.5 345.0	lost core						
345.0 361.5	peridotite, few seams of asbestos and calcite						
361.5 362.7	lost core						
362.7 407.0	peridotite, fine grained with few quartz and calcite stringers						

Log By.....

DIAMOND DRILL RECORD

No. **17** Sheet No. **2** Co-ordinates Collar
 Property **Zevely - Mann** Lat. : Dep.
 Drilled By Elev. Collar
 Date Begun Bearing
 Date Finished Angle
 Contractor's Footage Working Place

Total Depth
 Ft. of Core Recovered
 % Recovery
 Size Bit Used
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
407.0 429.9	peridotite, coarse grained with few calcite and quartz stringers.						
429.9 434.3	peridotite, sheared with network of calcite and quartz stringers.						
434.3 440.0	lost core						
440.0 447.5	peridotite, sheared with calcite and quartz stringers						
447.5 451.2	lost core						
451.2 467.4	peridotite with calcite and quartz stringers						
467.4 471.3	peridotite, fine grained						
471.3 473.0	lost core						
473.0 476.3	peridotite, fine grained						
476.3 480.0	peridotite, sheared with disseminated sulphides						
480.0 485.0	peridotite, lightly sheared with disseminated sulphides, calcite & qu.						
485.0 490.0	peridotite, showing feldspar phenocrysts and fine disseminated sulphides						
490.0 495.0	peridotite, fine disseminated sulphides, light shearing, qu. & calcite stringers.						
495.0 500.0	peridotite, light shearing, disseminated sulphides, calcite & qu. seams						
500.0 505.0	peridotite, sheared with fine disseminated sulphides, calcite & quartz seams						

Log By.....

DIAMOND DRILL RECORD

No. 17 Sheet No. 8
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
505.0 510.0	peridotite, sheared with light disseminated sulphides, calcite & quartz seams.						
510.0 512.6	peridotite, sheared with fine disseminated sulphides, calcite, and quartz stringers.						
512.6 521.3	peridotite, sheared and may be greenstone inclusions near contact.						
521.3 529.4	peridotite, fine grained near contact						
529.4 534.4	possibly rhyolite inclusion near contact						
534.4 540.2	peridotite, fine grained near contact						
540.2 567.2	andesite-rhyolite, few calcite & quartz stringers, and scattered sulphides						
567.2 570.0	andesite-rhyolite, fine grained						
570.0 575.0	andesite-rhyolite, lightly sheared and chloritized, calcite and qu. seams and sparse sulphide showings						
575.0 600.0	andesite-rhyolite with chlorite and epidote, flow structure evident, scattered sulphides						
600.0 635.0	andesite-rhyolite showing dark alteration, flow structure, and scattered sulphides						
635.0 644.0	lost core						
644.0 694.1	andesite-rhyolite, chloritized showing flow structure, and narrow alteration bands, few calcite and quartz stringers and scattered sulphides.						
694.1 697.5	lamprophyre dyke						

Log By.....

DIAMOND DRILL RECORD

Hole No. 17 Sheet No. 4 Co-ordinates Collar
 Property Zevely - Mann Lat. : Dep.
 Drilled By. Elev. Collar
 Date Begun. Bearing
 Date Finished. Angle
 Contractor's Footage. Working Place

Total Depth
 Ft. of Core Recovered
 % Recovery
 Size Bit Used
 Size Core

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
697.8 750.0	andesite-rhyolite, flow structure and bands of alteration						
750.0 800.0	andesite-rhyolite showing alteration bands and flos structure, few calcite and quartz stringers, scattered sulphides						
800.0 875.0	andesite-rhyolite with alteration bands, chloritized, scattered sulphides						
875.0 925.0	andesite-rhyolite with alteration bands and scattered sulphides						
925.0 954.7	andesite-rhyolite, altered with some feldspar phenocrysts, scattered sulphides						
954.7 955.0	silicified and sheared andesite-rhyolite showing pyrite and pyrrhotite						
955.0 959.0	andesite-rhyolite with bands of alteration						
959.9 962.0	andesite-rhyolite with fair sulphide mineralization						
962.0 965.0	andesite-rhyolite with scattered sulphide mineralization						
965.0 966.0	andesite-rhyolite, altered with fair/mineralization sulphide						
966.0 968.8	andesite-rhyolite with fair mineralization						
968.8 969.0	andesite-rhyolite with fair mineralization						
969.0 975.0	andesite-rhyolite green with dark alteration and few sulphides						
975.0 996.0	andesite-rhyolite, with calcite and quartz stringers, scattered sulphides.						

Log By.....

DIAMOND DRILL RECORD

No. 17 Sheet No. 5
 Property Revely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
996.0 998.0	andesite-rhyolite with disseminated sulphides						
998.0 1000.0	andesite-rhyolite with calcite & quartz stringers; disseminated sulphides						
1000.0 1050.0	andesite-rhyolite, quartz & calcite veins, and scattered sulphides						
1050.0 1075.0	andesite-rhyolite, light colored with few quartz and calcite stringers and scattered sulphides						
1075.0 1100.0	andesite-rhyolite, light colored and lightly sheared sections, sparse sulphides						
1100.0 1118.6	andesite-rhyolite, light colored with calcite and quartz stringers						
1118.6 1121.9	gabbro dyke, fine grained, grey						
1121.9 1122.5	quartz-calcite vein, sparse chalcopyrite						
1122.5 1130.2	gabbro dyke, fine grained and grey						
1130.2 1145.0	andesite-rhyolite, light colored few quartz and calcite stringers.						
	END OF HOLE - 1145.0'						
	Dip Tests - 500.0' - 86 degrees						
	800.0' - 86.5 "						
	1145.0' - 86 "						

Log By.....

DIAMOND DRILL RECORD

Hole No. 18 Sheet No. 1
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Apr. 6th, 1949
 Date Finished Apr. 12th, 1949
 Contractor's Footage.....

Co-ordinates Collar
 Lat. L-18E 550' ON 00.0
 Elev. Collar 58.0'
 Bearing vertical
 Angle 90 degrees
 Working Place Claim 125903

Total Depth 661.0'
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core 7/8"

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 31.0	Casing						
31.0 144.0	peridotite with feldspar phenocrysts and few asbestos stringers						
144.0 166.3	peridotite, black and dense grained with calcite stringers and veins						
166.3 169.8	lamprophyre dyke						
169.8 190.2	contact material						
190.2 283.5	gabbro						
283.5 288.0	lost core						
288.0 289.0	peridotite, dense grained						
289.0 290.0	lost core						
290.0 292.0	sheared peridotite						
292.0 293.0	lost core						
293.0 296.0	sheared peridotite						
296.0 297.0	lost core						
297.0 300.0	sheared peridotite						

Log By.....

DIAMOND DRILL RECORD

Hole No. 18 Sheet No. 2
 Property Zevely - Mann
 Drilled By.....
 Date Begun.....
 Date Finished.....
 Contractor's Footage.....

Co-ordinates Collar.....
 Lat..... : Dep.....
 Elev. Collar.....
 Bearing.....
 Angle.....
 Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
300.0 336.0	peridotite, few asbestos stringers						
336.0 339.4	gabbro dyke						
339.4 415.0	peridotite						
415.0 445.6	gabbro dyke						
445.6 517.2	peridotite with closely spaced calcite and quartz stringers						
517.2 544.9	contact material with sections of rhyolite-andesite and fine grained gabbro; no distinct contacts, qu. & calcite stringers near contact.						
544.9 564.2	andesite-rhyolite with quartz & calcite stringers						
564.2 568.0	andesite						
568.0 586.7	andesite-rhyolite with some alteration lightly brecciated in sections, qu. & calcite stringers						
586.7 596.1	fine grained gabbro						
596.1 625.0	andesite-rhyolite with bands of alteration, qu. & calcite seams						
625.0 661.0	andesite-rhyolite with sections of coarser material, no distinct contacts some flow structure, calcite & quartz.						
END OF HOLE - 661.0'							
Dip Tests: 330.0' - 86 Degrees							
661.0' - 86 degrees							

Log By.....

DIAMOND DRILL RECORD

Hole No. 19 Sheet No. 1
 Property Zevely - Mann
 Drilled By Morissette
 Date Begun Apr. 14th, 1949
 Date Finished May 3rd, 1949
 Contractor's Footage _____

Co-ordinates Collar
 Lat. L-14E.88610'N Dep. 62.0 E
 Elev. Collar 2.0'
 Bearing vertical
 Angle 90 degrees
 Working Place Claim T25903

Total Depth 1197.0'
 Ft. of Core Recovered _____
 % Recovery _____
 Size Bit Used 7/8"
 Size Core _____

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
00.0 25.0	Casing						
25.0 125.5	peridotite, dense grained & serpentized and calcite on slip faces						
125.5 189.0	peridotite, coarse grained showing phenocrysts of feldspar						
189.0 225.8	gabbro, medium grained, changing from pale green to grey toward mid-section and again to pale green toward contact, some calcite stringers						
225.8 254.0	peridotite, strong sheared and fine grained, few asbestos stringers						
254.0 426.7	peridotite, coarse grained with feldspar phenocrysts, few asbestos seams, calcite and serpentized on slip faces						
426.7 428.7	gabbro - fine grained						
428.7 440.0	peridotite, sheared and fine grained						
440.0 442.0	lost core						
442.0 461.0	peridotite, lightly sheared and fine grained						
461.0 466.8	peridotite, coarse grained						
466.8 544.0	peridotite, light colored, silicified and sheared with network of calcite & quartz stringers.						
544.0 616.0	peridotite, medium to fine grained, numerous calcite & quartz seams.						

Log By _____

DIAMOND DRILL RECORD

Hole No. 19 Sheet No. 1 Co-ordinates Collar
 Property Zevely - Mann Lat. : Dep.
 Drilled By..... Elev. Collar.....
 Date Begun..... Bearing.....
 Date Finished..... Angle.....
 Contractor's Footage..... Working Place.....

Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
616.0 618.0	lost core						
618.0 631.4	peridotite, coarse grained with feldspar phenocrysts and closely spaced calcite & quartz stringers						
631.4 650.0	contact material, andesite-rhyolite with dew sulphides						
650.0 730.4	andesite-rhyolite with calcite and quartz veins						
730.4 733.1	quartz vein with scattered sulphides						
733.1 743.0	andesite-rhyolite with quartz veins to 6" wide						
743.0 744.0	lost core						
744.0 808.0	andesite-rhyolite slightly altered in sections, some epidote quartz & calcite veins						
808.0 810.0	lost core						
810.0 852.3	andesite-rhyolite, chloritized and altered in sections, few calcite and quartz						
852.3 855.8	hornblende lamprophyre dyke						
855.8 900.0	andesite-rhyolite altered in bands and seams, some calcite & quartz stringers and scattered sulphides						
900.0 915.3	andesite-rhyolite with mineralized quartz veins; sulphides 911.0(
915.3 924.6	andesite-rhyolite, fine grained at contact. Some coarse texture.						

Log By.....

DIAMOND DRILL RECORD

Hole No. 19 Sheet No. 3 Co-ordinates Collar
 Property Zevely - Mann Lat..... : Dep..... Total Depth.....
 Drilled By..... Elev. Collar..... Ft. of Core Recovered.....
 Date Begun..... Bearing..... % Recovery.....
 Date Finished..... Angle..... Size Bit Used.....
 Contractor's Footage..... Working Place..... Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
924.6 953.8	andesite-rhyolite, few calcite & quartz stringers						
953.8 989.2	andesite-rhyolite						
989.2 1017.5	andesite-rhyolite with seams of alteration and quartz and calcite veins						
1017.5 1020.1	andesite-rhyolite or possibly a fine grained gabbro. Distinct contacts						
1020.1 1031.5	andesite-rhyolite with seams of calcite & quartz						
1031.5 1055.3	andesite-rhyolite, chloritized						
1055.3 1057.2	andesite-rhyolite, chloritized						
1057.2 1060.2	mineralized quartz & wall rock						
1060.2 1061.6	andesite-rhyolite well altered, some sulphides						
1061.6 1063.0	mineralized quartz & calcite and wall rock						
1063.0 1118.5	andesite-rhyolite, altered and silicified showing flow structure, few qu. & calcite						
1118.5 1123.5	andesite-rhyolite, altered with fairly heavy sulphide mineralization						
1123.5 1125.0	andesite-rhyolite						
1125.0 1126.4	andesite-rhyolite, with fairly good mineralization						
1126.4 1140.1	andesite-rhyolite with bands of alteration showing flow structure and well mineralized sections.						

Log By.....

DIAMOND DRILL RECORD

Hole No. 19 Sheet No. 4 Co-ordinates Collar
 Property Zevely - Mann Lat. : Dep.
 Drilled By..... Elev. Collar.....
 Date Begun..... Bearing.....
 Date Finished..... Angle.....
 Contractor's Footage..... Working Place.....

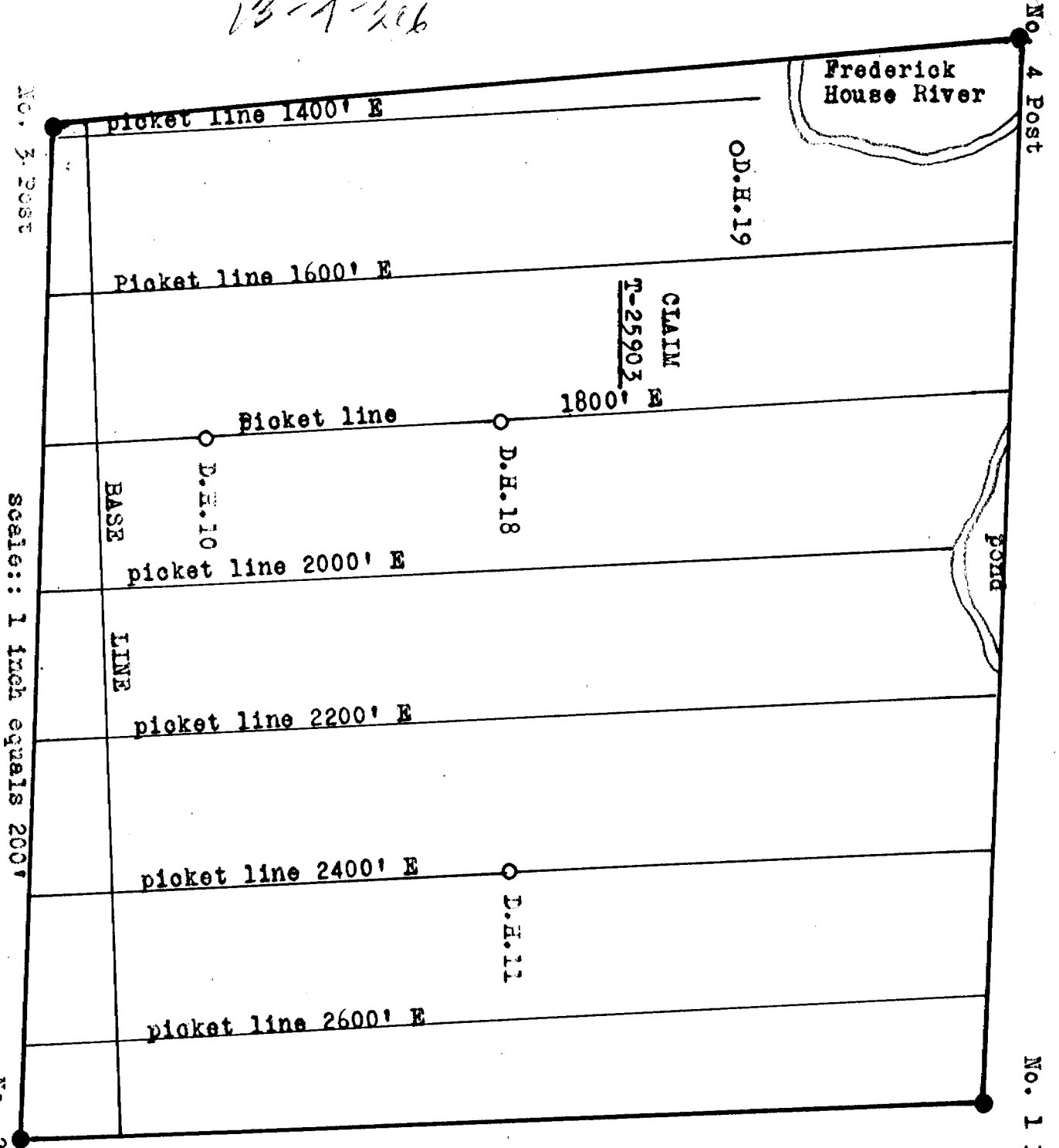
Total Depth.....
 Ft. of Core Recovered.....
 % Recovery.....
 Size Bit Used.....
 Size Core.....

Depth Feet	Formation	Sample No.	Width	% Cu.	% Ni.	Ozs. Pt. Pd.	Ozs. Au.
1140.1 1141.7	andesite-rhyolite, altered with fair sulphide mineralization						
1141.7 1143.1	andesite-rhyolite with disseminated sulphides						
1143.1 1144.6	fair to heavy sulphides in altered rhyolite						
1144.6 1149.0	andesite-rhyolite, altered with light sulphide mineralization						
1149.0 1150.0	heavy sulphide mineralization in altered andesite-rhyolite						
1150.0 1165.0	disseminated sulphides with narrow heavier mineralization in altered rhyolite						
1165.0 1168.5	mineralized quartz and calcite vein and wall rock						
1168.5 1197.0	andesite-rhyolite, light colored, showing flow structure, light shearing, and quartz & calcite stringers.						
	END OF HOLE - 1197.0'						
	DIP TESTS: 350.0' - 90 Degrees						
	700.0' - 87 "						
	1075.0' - 88 "						
	1197.0' - 82 "						
	NOTE: Hole wedged at 1075.0'						

Log By.....

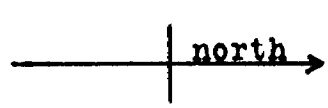
T 25903
Mann Twp.

13-1-206



No. 3 Post
 MANN TOWNSHIP-ONTARIO Zevely Property
 total 3037 feet of diamond drilling
 on claim T-25903
 scale: 1 inch equals 200'
 No. 2 Post

No. 4 Post
 No. 1 Post



T 25904
Mann Twp.

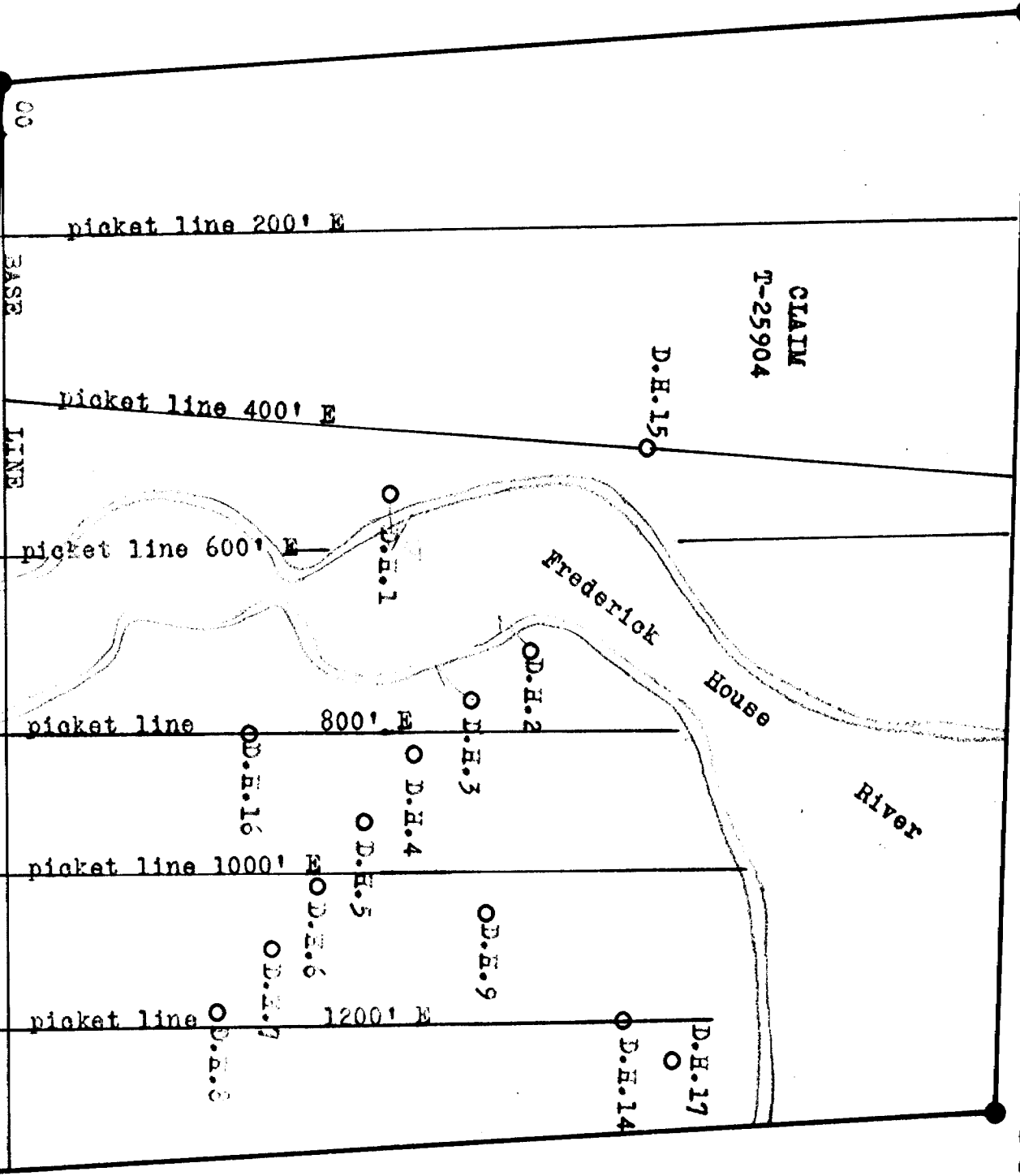
13-13-207

No. 4 Post

No. 1 Post

No. 3 Post

No. 1 Post



picket line 200' E

picket line 400' E

picket line 600' E

picket line 800' E

picket line 1000' E

picket line 1200' E

CLAIM
T-25904

Frederick
House
River

D.H. 15

D.H. 1

D.H. 2

D.H. 3

D.H. 4

D.H. 5

D.H. 6

D.H. 7

D.H. 8

D.H. 9

D.H. 14

D.H. 17

BASE
LINE

scale 1 inch equals 200'

MANNTOWNSHIP-ONTARIO
Zevely Property

8,362
on claim

1111g

north