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June 19, 1954

Mr. J.E. Hammell, President
Hasaga Gold Mines Ltd.

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Here in is a brief report covering operations to date on the Koval Ohman ground.

Location and Accessibility

The forty five claims originally optioned to Hasaga Gold Mines Ltd. lie approximately twenty five miles south west of pickle lake and can at present only be reached by air. If future operations warrant the expense, it will be possible to construct a road connecting the property with the existing Dog Hole Bay Pickle Crow road. This road would have a length of approximately twenty miles and would follow the general trend of high ground in the area. Electric power could be provided at the property either by the construction of a line ten miles across country to the present Ear Falls line or by construction of a line to the present Rat Rapids power line. This second line would be approx. twenty miles long but would follow the proposed route for a road.

HISTORY

During the later part of August 1953 results of assay samples sent in by Ben Ohman were brought to my attention. Channels and chips taken over the only trench completly crossing the zone, by myself, averaged $6.58 over 3I'3" while another trench to the west gave $25.85 over 8'6" in which the rock was exposed. After Mr. A. G. Hattie and the writer looked at the showing again, negotiations were entered into with Mr. Ohman and his backers, Konrad Koval and his three sons of Pickle Lake, as to a deal on the ground. Formal option was drawn up and signed on Sept. 10 in accordance with your instructions. In April, 1954 said vendors accepted a cash payment. The vendors retained their original stock position in any company to be formed on the ground In the meantime, sixty three claims had been staked by myself and others and transferred to Mr. John E. Hammell, these claims almost completly cover the border area of the option.

By Sept. 16 a small crew of men were engaged in cutting lines on the property, trenching(?) etc. while arrangements were being made to move in an X Ray drill for short holes inlieu of trenching because of swampy conditions, and an E.X. drill for the deeper holes. Late in September x ray drilling was in rull swing and early in Oct. the larger machine was in full operation. Work was continuous then until December 16 when all personell and perishables were removed from the property and all other equipment left.

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History

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DIAMOND DRILLING

During the above three month period 7,301(?) ft. were drilled. this was made up to 1,068 ft. done on 19 X ray holes and 6,323 ft. done on 15 E. X holes. The X holes were short shallow holes at 25 ft. intervals where ever possible and cover a length of 330 ft. Four of the x ray holes were drilled on minor showings away from the main one. the E. X holes with the exception of E2 and E14 were drilled to intersect the zone at the following horozons, 125, 250, 500 feet. the following results with averages were obtained. X ray holes togather with hole E-1 outlined the near surface dimentions of the zone, giving an average width of 23.5 ft. with an average grade of $5.71 over a length of at least 250 ft. the average of holes E-I, 3,4, 13 drilled to the 125 ft. horizon gave $8.33 over 13.2' average width for a length of 300 ft. Three holes E-9 10.11, drilled to the 500' horizon returned values below the possible economic limits. Taking the x ray holes with the E. X holes at the 125' and 250' horizon, the following dimentions for the ore zone are indicated: Taking a vertical depth of 360' then a total of 149,400 tons is indicated. Length 300' average width 16.6' average grage $6.75. this indicated zone is surrounded by either blank holes or holes with very low value. At the completion of the above programme it was felt that any further drilling would have to be preceded by an intense prospectins programme which could nct be carried out until the spring of 1954.

RECENT WORK

About May 20, 1954, work was recommenced and by June 15 there were II men engaged on the property in trenching, prospecting, sampling and mapping. about the end of May Mr. Ohman uncovered a showing 1200' west and 700' south of the original showing which averaged about 32 dollars over 8' (checked by the writer) and since then almost all the men have been concentrating on opening up this showing. Results to date have indicated several enechol zones, but it is to early as yet to evaluate it properly. At the time of my departure on June 19, I received results from a new shoeing on claim #14348 in which samples averaged $15.63 across 4½'. This zone is over a mile north east, roughly on strike. Further trenching there is now under way.

GENERAL GEOLOGY

The property is underlain by two main rock types the greestones and the tuffs - sediments. The greenstones are mainly andesitic and cover the north west part, but scattered flows occur in other parts of the property. The tuffs and sediments cover the south and south east seciton of the property and are highly altered, thin banded assemblages with an thickness of at least 2500'. A few andesitic

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and rhyolite flows are interspersed among the tuffs and sediments. Dykes of varing widths and generally quiet acid in composition are common through the area. The formation in general strikes between N60 and N75E with steep dips to the south. The ore zone drilled last fall occurs along the contact of a very light siliceous rock, elliptical(?) in shape, and a dark tuffaceous rock with values occuring in both types, but always quiet close to the contact and high values almost always being in the dark tuffaceous side. North of the siliceous zone is a bank of slates and slaty graywackes with narrow sherty bands, in all having a thickness of at least 500 ft. South of the ore zone the rock type varies from dark tuffs to brown sediments with interbedded rhyolitic sections and some andesitic flows. Mineralization in the ore zone is mainly pyrite and pyrrhotite with the best values along with fine needles of arsenopyrite. The zone now being opened up to the west is composed of slaty quartzitic bands with a uniformly gray brown color and fine grained. The values occur in the dark band, and a minimum of mineralization is to be seen. Bands of iron formation are known to be present on various parts of the property, but to date no values have been associated with them, although little work has realy been done on the iron formation.

ECONOMIC POSSIBILITIES

The zone as outlined last fall by the drilling programme is obviously to low in grade to consider mining by itself; however, in the light of developments that have so far taken place this spring, it is quiet possible that a profitable producing mine is present, which can be made up of a series of enecholon lenses ranging in length from 100' to 300' or better and giving average widths of eight to fourteen feet in the region. Grade in this event would have to average better than the original showing that was $6.75, as indicated in the original showing. Only further intensive prospecting and trenching followed by diamond drilling will give the final answer.

RECOMMENDATIONS

I) Continue to have two or more prospectors cover the property systematically.

2) Follow the shoeings uncovered by trenching, blasting and channel sampling at regular intervals. (Warsop gasoline plugger is now on the property)

3) If the results from (2) warrant it check with x-ray drill and follow up with the larger drill.

4) Have an outcrop geological map made as soon as possible.

A.G.Hattie?

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A.G. Hattie?

July 12, 1954.

Mr. J.K. Hammell, President,
Hasaga Gold Mines Limited
930 Bank of Commerce Building
Toronto, Ontario.

Dear Mr. Hammell:

The following is a brief report covering the work on the Ben Lake property to date. The zones "A", "B" and "C", which embody the original discovery, are covered in W.R. MacQuarrie's report of June 17th, 1954 and will be referred to in this report as the original discovery.

Work started this year with two prospectors, who arrived on the property in mid April and since Juen 4th, a crew of eleven men have been prospecting, sampling, trenching and mapping. Trenching and sampling has been done on four additional zones "D", "E", "F" and "G", with a weekly report being made on this work.

"D" zone on which most of the work has been done, is centered at 1200 feet west and 400 feet south of the original showing. A series of 12 trenches over a length of 500 feet with a total of 828 feet of trenching and complete chip sample coverage have shown up a number of enechilone lenses and possible lenses. From East to West, as per the assay plan, trench 16, $5.11 over 10'0" indicates a probable lense which is open in both directions. Trench 15, $5.24 over 12'0" and trench 14, $5.63 over 12'0", cover 50 feet of a possible lense which is open in both directions but limited to the east by trench #13, in which no values were obtained. Trench #12, $10.22 over 10'00" or $7.04 over 18'0", trench #11, $7.80 over 10'0" and trench #10, $6.39 over 8'0" indicate another possible lense with an incated length of 103 feet open at both ends, however, the most probable extension is to the west of trench #12. Other values in trench #10 are $7.00 over 12'0" $25.83 over 8'0" or by combination $10.72 over 26'0" or $9.54 over 34'0", however I think that these values are over two separate lenses and should be taken as such. There are no other exceptional

Alex Watt

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values until trench #2 $3.06 over 8', this could be the Eastward extension of values recorded in zone "F".

Zone "E" (6/00 W, 3/00 S.) has been trenched for 250 feet with chip samples giving $8.87 over 6'0" in one trench, this zone does not line up with the original showing or "D" zone.

Zone "F" (7/00 W, 5/00 S.) has been treched for 100 feet with chip samples giving $9.76 over 16'0" in one trench. It is possible that this zone may be the one indicated by trench #2 in "D" zone.

At persent the diamond drill (EX) is drilling a hole that will check sample the $8.87 over 6'0" in "E" zone and go out under the swamp where it would pick up any extension of the original showing. Hole E-18 has been spotted to check the values in "F" zone $9.76 over 16'0" and intersect "E" zone at the 100 foot horizon.

Zone "G" (24/00 E, 20/00 N.) gave a value of $15.40 over 4'6" in a siliceous zone on a sediment, tuff contact. Trenching and sampling across this contact has failed to indicate any worthwhile results and work has been discontinued for the present. Any future work in this area should be preceded by a series of short X-ray holes across the sediment tuff contact as already exposed by trenching.

RECOMMENDATIONS

(1) Discontinue trenching and blasting for three to four weeks and concentrate on a prospecting and check sampling program.

(2) Complete the D.D. holes that are now spotted and if indications warrant it, use up the remainder, or as much as required, of the footage on the existing contract with a set of holes outlining the values in this area.

(3) When ready to resume trenching, place additional trenches as required in "D" zone.

(4) Continue Geological outcrop mapping.

(5) Have a survey made of all zones and a composite map of the whole area made.

Yours very truly,

R.D. Mathieson.

RDM/GJF

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930 Bank of Commerce Building,
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Dear Sir:

The following is a brief report covering operations to date on Hasaga's Ben Lake property.

HISTORY

In September 1953, a group of 45 claims approximately 25 miles south west of Pickle Lake was optioned from Mr. Ohman and his backers, Konrad Koval and his three sons. A down payment of $10,000 was made and by the terms of the option further payments totaling $165,000 were to be made over the next two years. In November 1953 an agreement was reached whereby the option payments were post-poned by six months each and in April 1954, the vendors accepted $25,000 cash in lieu of further option payments and retained their original stock position in any company to be formed on the ground.

During August and September of 1953 a group of 63 claims were staked on behalf of Mr. J.F. Hammell which almost completely summonded the Hasaga option.

OPERATION

By September 16th, 1953 a crew of men was engaged in cutting line and trenching on the Hasaga property. Arragements were made with Boyles Bros. whereby an x-ray machine was placed on the property to drill short holes where trenching was impossible and an X machine was available for deeper drilling.

Operations were continuous until December 16th at which time the crew and all perishables were removed from the property.

During this three month period a total of 7391 feet of drilling was done. Of this total four short holes

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totalling 231 feet were drilled on the B and C showings and the remainder of the drilling was done in outlining the A zone which has an indicated tonnage of 149,400 tons grading $6.75 per ton.

About May 20th, 1954 work was resumed and by June 15th there were 11 men engaged in prospecting, trenching and sampling. A showing, termed the D zone, was found 1200 feet west and 600 feet south of the original A zone. Chip sampling indicated good surfaces grads and considerable trenching was done here. A total of 654 feet of drilling in seven holes in this zone failed to return comparable values and work here was abandoned.

In the meantime prospecting had uncovered the E and F zones between the A and D zones, the G zone on claim 14348, the swamp zone on claim 14373 and a number of other showings of minor interest. Trenching and sampling was done on each of these showings and diamond drilling was done on the E,F, and Swamp zones.

A deep hole, E-33 drilled to test for possible extension of the A zone encountered values averaging $4.06 across 28.7 feet in a zone of fractured rhyolite and drilling after September 1st, 1954 was concentrated on exploring the rhyolite structures. The B; B-1; C; C-1; F and the new Creek zone have been found to be in this type of formation. The B and C zones have been found to weaken and die cut at shallow depths while the B-1 and C-1 zones tend to start at depths of approximately 300 feet below surface. The Creek zone was first indicated by an intersection averaging $5.08 across 35.3 in hole F-49(?)(uncut grade) but further drilling in the area returned only low values and the structure appears to pinch out at a depth of 450 feet.

During 1954 until operations were suspended on December 3rd, a total of 13,580 feet were drilled making a total of 20,971 feet since operations started in 1953.

Late in October a magnetometer was acquired and some work was done with it which proves its value when used in conjunction with detailed knowledge of the surface geology. Time was, however, too short to allow extending the survey into new areas.

CONCLUSION

In general, all the zones so far explored are small and of low grade. Further drilling should be preceeded by edtailed geological mapping and extension of the magnetometer survey. Zones indicated by this type of detailed exploration could be diamond drilled but surface grab or

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chip samples should be treated as merely indicative as values tend to be concentrated by surface weathering along the shear zones. The area merits attention as there is a good possibility of finding commercial bodies of ore. Work should be done systematically and in detail but the more expensive diamond drill exploration should be deferred until the results of mapping can be correlated.

The following is a summary of the results obtained from each of the zones drilled.

A Zone - Drilled during 1953 with a small amount of work during 1954. Values are confined to a zone of sediments as described in W,R, MacQuarries report of June 19th, 1954.

Level	No. of Holes	Width	Length	Value
25'	8	23.5	250'	$5.71
125'	4	13.2	300'	6.20
250'	4	13.2	300'	8.33
500'	3	Values below possible ore grade.		

Total estimated tonnage and grade to the 360 foot level, 149,400 tons grading $6.75 for a length of 300 feet over an average width of 16.6 feet.

B Zone - This is a small rhyolite zone found in 1953 and situated south-east of the 'A' zone. Values are as follows:

Leve	No. of Holes	Width	Length	Value
25'	1	15.2	?	$2.80
125'	1	3.5	?	3.65

C Zone - This is a zone of fractured rhyolite with some values being found in the sediments to the south. Drilling at depth was very disappointing with the exception of hole F-35 at the 250 foot level.

Level	No. of Holes	Width	Length	Value
25'	5	11.4	185'	$5.21
125'	3	9.7	200'	4.02
250'	3	14.3	100'	6.73

This lens is estimated to contain 41,780 tons grading $5.05 per ton over an average width of 11.1 feet and length of 165 feet to a depth of 275 feet. These figures are subject to revision as the structure of this zone is not clear.

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B Zone - This is a small rhyolite zone found in 1953 and situated south-east of the 'A' zone. Values are as follows:

Level	No. of Holes	Width	Length	Value
25'	1	15.2	?	$2.80
125'	1	3.5	?	3.65

C Zone - This is a zone of fractured rhyolite with some values being found in the sediments to the south. Drilling at depth was very disappointing with the exception of hole F-35 at the 250 foot level.

Level	No. of Holes	Width	Length	Value
25'	5	11.4	185'	$5.21
125'	3	9.7	200'	4.02
250'	3	14.3	100'	6.73

This lens is estimated to contain 41,780 tons grading $5.05 per ton over an average width of 11.1 feet and length of 165 feet to a depth of 275 feet. These figures are subject to revision as the structure of this zone is not clear.

December 21st, 1954

J.F.Hammell

C-1 Zone- This is a poorly defined zone of values commencing at about the 250 foot level and indicated by the following intersections.

Hole No.	Vertical Depth	Value	Width
F-33	270'	$4.06	28.7'
F-47	450'	2.56	6.3'
F-48	475'	9.45	3.0'

D Zone - This zone was first tested by trenching and chip sampling but drilling failed to give comparable results and no tonnage is indicated.

E Zone - This is a short narrow zone in silicified sediments approximately 450 feet west of the 'A' zone. Shallow holes at 50 foot intervals failed to indicate any appreciable surface length but it is still open at depth.

Level	No. of Holes	Width	Length	Value
25'	2	7.0	50'	$5.63
125'	1	12.0	?	5.96
250'	1	6.8	?	4.99

These holes do not provide sufficient basis for an estimate of potential tonnage.

F Zone - This is a zone of values in silicified sediment and rhyolite approximately 325 feet west of the 'C' zone.

Five holes cutting this zone at the 25 foot level averaged $6.77 over 9.2 feet for a length of 100 feet.

B-1 Zone- Scattered intersections suggesting a possible zone below the 300 foot level have been termed the B-1 zone and are listed below.

Hole No.	Vertical Depth	Width	Value	Remarks
F-47	510	9.5'	$3.15	
F-33	380	5.3	9.20	100'E.of F-47
F-48	540	12.2	6.65	200'E.of F-47
F-50	500	-	NIL	300'E.of F-47

Swamp Zone- A zone of values occurring approximately on strike with the A and F zones and 1050 feet west of the D zone was tested with six short holes. A grade of $5.82 across 4.6 feet for a length of 130 feet was indicated. No deep drilling was done and no tonnage has been estimated.

C-1 Zone - This is a poorly defined zone of values commencing at about the 250 foot level and indicated by the following intersections.

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Five holes cutting this zone at the 25 foot level averaged $6.77 over 9.2 feet for a length of 100 feet.

B-1 Zone - Scattered intersections suggesting a possible zone below the 300 foot level have been termed the B-1 zone and are listed below.

Hole No.	Vertical Depth	Width	Value	Remarks
F-47	310	9.5'	$3.15	
F-33	380	5.3	9.20	100'F.of F-47
F-48	340	12.2	6.65	200'F.of F-47
F-50	300	-	Nil	300'F.of F-47

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Creek Zone- This is a zone of low values in rhyolite south of the creek and approximately 500 feet east of the 'A' zone. Intersections are as follows:

25 Foot Level

Hole F-63 on the 1600 F. section encountered $1.93 across 17.4 feet.

150 Foot Level

F-69 - 1500 F. Section - averaged $2.90 across 12.5 feet.
F-66 - 1600 F. Section - averaged $2.97 across 19.7 feet.
F-67 - 1700 F. Section - encountered a fault zone. No values were cut.
F-68 - 1800 F. Section - averaged $5.87 across 8.0 feet.

365 Foot Level

F-70 - 1500 F. Section - average $4.37 across 23.0 feet.
F-49 - 1600 F. Section - averaged $5.08 across 35.3 feet.

500 Foot Level

F-71 - 1600 F. Section - averaged $2.18 across 6.8 feet and indicates that the lens dies out at about the 450' level.

Magnetometer work shows that the Creek zone is related to the B zone and further work to the east of the 1800 section would be valuable.

Prints, showing the location of the various zones, are being forwarded with this report.

Respectfully submitted,

J.C. Stephen.

JCS/RMH

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040

TO: EXPLORATION COMMITTEE DATE: FEBRUARY 8th, 1958

FROM: G.H. SALTON

SUBJECT: HASAGA GOLD MINES LIMITED
BEN LAKE PROPERTY - KOVAL-OHMAN OPTION
PATRICIA MINING DIVISION, ONTARIO

Summary

The property consists of a 45 claim group about 70 air line miles due north of Savant Lake station on the C.N.R., in the Patricia Mining District of Ontario.

Apparently original acquisition of the property was by option. Nothing is known as to terms of the option, or as to whether it has been exercised in full.

The claims are evidently underlain by a north of east striking interbedded series of elastic and pyroclastic rocks, carrying some rhyolitic flows or sills, and cut by some diorite dikes.

Gold values have been obtained in recurring lenses, apparently made up of pyritized quartz fillings and silicified structures, along a contact zone between light (?) and dark (?) sedimentary rocks.

Following original surface discovery of gold carrying conditions extensive trenching was carried out. This was followed up by extensive daimond drilling, probably totalling between 20,000 and 25,000 feet, with the last work performed in 1954.

The drilling established a small and lenticular nature, combined with low overall grade widths, to all indicated structures carrying any significant gold values. No values above half ounce were encountered in any diamond drill holes, and the general trend across the gold carrying structures was much lower and somewhat erratic. Apparently no visible gold was noted in any drill cores.

On the basis of grade width length depths indicated in the comprehensive and locally exhaustive diamond drilling programs the possibility of ore condition being present on the property has been pretty well eliminated. The tonnage values of individual gold carrying structures are such that, in view of the location of the property, even a 50% or more rise in the price of gold would

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not meterially improve the situation.

Basis of Memorandum

Information providing the basis for this memorandum consists solely of the study of a number of maps, often duplicative of relevant data, covering location and claims of group, plans of surface work and sampling, plans and sections of drill hole locations and assays, both longitudinal and cross sectionsl, with inferred outlines of assumed zones of values. No drill logs, reports of any kind, or other written material of any relevancy other than minor notations on geology on some maps, are included in the material available.

Property - Location - Access

The group consists of 45 mining claims numbered P 14345 to P 14389 in the Patricia Mining Division of Ontario. The property adjoins to the south of Ben Lake, a few miles to the north of the central part of Lake St. Joseph, about 25 miles south west of Pickle Lake and 70 air line miles north of the C.N.R. at Savant Lake. The Savant Lake to Pickle Lake road (an all weather road) passes about 20 miles to the east of the group. A power line passes about ten miles to the north of the property.

Presumably work on the claim group was serviced by planes landing on Ben Lake, although there may be a winter tractor road to the property.

Geology Ref.: Map 42e(?)-Packkokogan-Misehkow Area, O.D.M.

Judging by the reference map the vicinity of Ben lake has never been mapped geologically, although the general surrounding area is shown as being underlain by granitic rocks. From the compsite geological maps of Ontario it would seem as if the immediate vicinity of the claim groups is wither underlain by an outlier remnant of sedimentary and volcanic rocks or by a finger of such rocks connected with more extensive areas.

Such geological information as may be gathered from the meager scattered references on the maps available would indicate that the claims are underlain by a north of east striking, steep south dipping, series of predominantly clasic sedimentary rocks, carrying some pyroclastic and flow (acidic) volcanic horizons. A contact between a series of dark sedimentary rocks on the south and light (coloured) sedimentary rocks on the north, is shown traversing the group in a north of east direction for 2.5 miles on strike. Some sill like dikes and lenses of diorite are shown as cutting the above rocks.

Work

The original or main discovery zone carrying gold values is located along the contact section between two sedimentary rock types in the central part of

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Work

The original or main discovery zone carrying gold values is located along the contact section between two sedimentary rock types in the central part of

the property. In a 360 foot length along this section some 10 cross trenches have been put down to bedrock, blasted, and sampled. Considerable less intensive trenching has been carried out in other parts of the property, either on showings or of a general prospecting nature.

At least 17 x ray drill holes of a shallow nature, and at least 61 EX drill holes of varying depths down to several hundreds of feet, have been put down on the property. Most of this drilling was concentrated within a 2000 foot length and 600 foot width in the central part of the group, and included considerable close interval, both laterally and vertically, work in some localities.

A figure of between 20 and 25,000 feet is given as a rough guess on the total amount of drilling performed, with the probability that the higher figure is more nearly correct, or even low.

Discoveries - Values - Drill Results

Since the amount of work carried out was quite extensive, and detail results of the comprehensive sampling and assaying seem complete in the information available, any detail description or even summary would be too lengthy to be given here. Only a few details and some generalizations (which, lacking personal knowledge, may be in part opinion) will be given.

The discoveries would seem to be quartz vein fillings and mineralized silicified structures and in the vicinity of a contact seciton between tow sedimantary rock types, in part pyroclastic. Mineralization presumably means pyritic sulphides. Apparently the only economic mineral present is gold. The gold bearing structures, and also enclosing rocks, strike north of east, and apparently dip steeply southerly.

Two trenches were put across what is termed 'original showing', some 20 feet apart, and sampling showed values of interest in both trenches. The best values occurred in the westerly (and much shorter) trench, returning in consecutive sections: 4' - $29.75, 3' - $19.25, 1.5' - $28.70. The easterly of the two trenches returned values of from $1.40 to $12.60 across about 30 feet, probably averaging around $6.00. Following this a further 8 trenches were put down, four on each side of the two original trenches, covering a strike length of 360 feet, but not necessarily in all cases covering a complete cross section of the structure. Only one of these trenches, some 35' west of the westerly of the two original trenches, shows any values of direct interest - 2' of $11.55 followed by 3' of $7.60. In subsequent diamond drilling the original discovery zone has been called the 'A' zone.

It might be noted that the comparatively high gold values obtained in sampling of one trench above given evidently turned out to be exceptional for the property in general, and some surface secondary enrichment might be suspected in this instance. In the hundreds of assays shown on plans and

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sections, mainly from drill cores but including some from surface trenching, no return above half ounce was noted and only a few approached this amount. The general trend of significant values was between $6.00 and $11.00.

Diamond drilling, possibly in part supported by surface work, located and more or less defined eight gold carrying structures along a strike length of 2000 feet and width across the contact section of 375 feet. However only six of these zones, contained in a strike length of 1000 feet, carry any grade width intersections of interest. From east to west these zone of values have been termed B, A1, B1, C1, E, F and D. Tentatively these zones seem to have been correlated (as being carried by similar horizons on strike) as follows: A and E, on North; B, B1, F and D in central section, C1 and C on south. A, B1 and C1 are parallel structures in same section within a width of 375 feet.

In addition to above sones in the central part of the property maps show a G and Swamp zones on strike, the former about a mile easterly and the latter about ½ mile westerly, and two other outlying zones. With the exception of the Swamp zone, which shows surface samples of $7.72/6' and $8.05/2' only low values ' or ' no values ' are shown.

Diamond drilling rather definitely established a lenticular, both in horizontal and vertical outline, and restricted nature to individual gold bearing structures The most extensive, and best value carrying, of such structures located in drilling was the original showing, or A zone, and this consequently received the most extensive, and most exhaustive, of the localized drillings.

The following summary of drilling results on the A zone is given on a plan:

Section holes at approx. depth	Width	Length - Av. Value		Notes
25 feet	23.5'	250'	$5.71	x ray holes
125	13.2	300	6.20	
250	13.2	300	8.33	
500	Values below ore grade			

The banks of holes down to the 250 horizon would thus average $6.53/16.6'

On the basis of results shown for various zones, some of which are based upon one or more holes, no generalizations can be made as to increase or decrease of values in depth, since instances of both occur. In all cases the zone were blocked off on the horizontal extensions from any possible continuity Some, on limited drilling, were still open at depth. Most are quite restricted in dimensions and could not even be considered as possible ore structures.

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The A zone, which is by far the most extensive individual occurrences, is shown on a plan with - Total tonnage 149,000 of $6.75. A recast of tabluation above to depth of 250 feet would give around 100,000 tons of $6.53.

Opinions

Although it is not the purpose of this memorandum to give opinions, lacking any personal knowledge, it would seem that the property has been given a fairly thorough exploration, following fair justification in original surface discoveries, and been found to lack ore grade tonnages under present conditions. It would seem that even a marked increase in the price of gold would not make material present into ore.

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~~cc: G. Darling~~

~~Alex Watt~~

~~W. Maybank~~

~~[illegible]~~

TO: Mr. D. A. MacGillivray

FROM: Alex, Watt

DATE: July 5/69

SUBJECT: Hasaga's Koval Claims

FILE REFERENCE:

With regard to your query on the status and advisability of holding Hasaga's Lake St. Joseph claims, I now have a large file of maps and diamond drill logs on the work done on this ground.

Present Status

To keep these claims in good standing they are required to be surveyed and an application for patent made on or before September 8th, 1959, or, an application for extension made before that time.

Mr.H.F. Keffer, O.L.S., Box 488, Sioux Lookout, Ontario, advises me that if this work was done furing the winter months it would probably cost about $230 per claim, summer work would cost more.

Location

The property is located 25 miles south west of Pickle lake. No roads exist into the property.

History

The property was acquired at a total cost of $35,000, and the vendors have a stock position in any company formed on the ground. Reports available do not specify the amount of this stock position.

Approximately 21,000 feet of diamond drilling was done in 1953 and 1954 plus substantial surface work. It is likely that this work cost well over $70,000.

Results

Diamond drilling has incicated mineralization along a length of several thousand feet. This work has failed to outline any substantial blocks of ore grade, although mineralized blocks containing as much as 149,000 tons averaging $6.75 ($35 gole), 41,000 tons averaging $5.05 and others of lesser calibre have been outlined. Some individual holes have excellent grade intersections.

Conclusions

I believe an application for extension should be made, and that 28 claims of the group be surveyed and patented this winter.

At some future date a geological map should be made of the group, and if overburden conditions require it, a magnetometer survey to complete the geological map. This would be required to co-relate previous drilling and provide guidance for future work.

General

The above information has been abstracted from the enclosed reports, and from maps and diamond drill logs, now in the vault of McKenzie Mine. These are available at any time you wish them.

FOR INTER-OFFICE CORRESPONDENCE ONLY — USE SEPARATE SHEET FOR EACH SUBJECT — OMIT ALL FORMALITIES

TO

Mr. D. A. MacGillivray

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Alex. Watt	July 5/59
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The property is located 25 miles south west of Pickle Lake. No roads exist into the property.

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Mr. D.A.MacGillivray

FROM: Alex Watt

DATE: July 5, 1959

SUBJECT: Page 2
Hasaga's Koval Claims

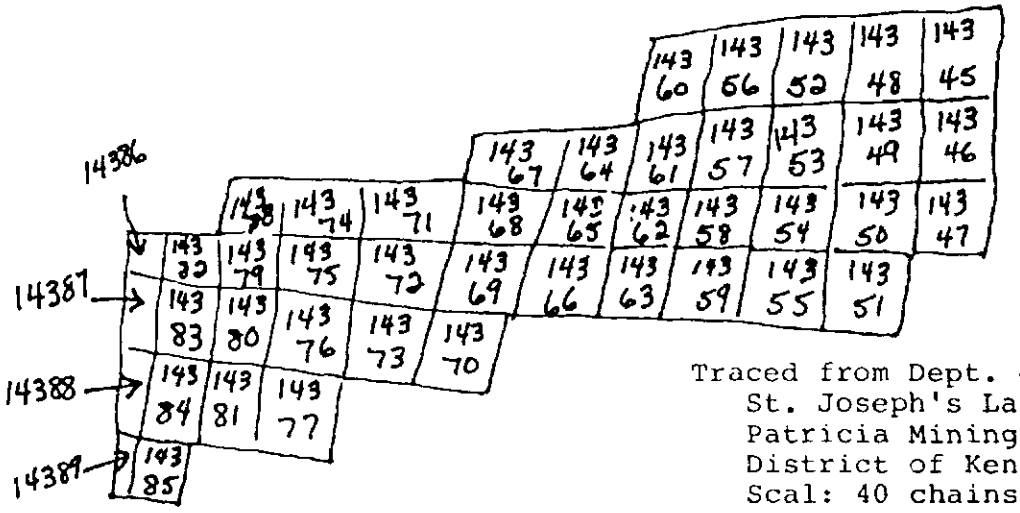
FILE REFERENCE:

General (continued)

The claims presently held are Pa. 14345 to 14389 inclusive. It is suggested that 28 claims of this group be retained to adequately protect the showings. These would consist of Pa. 14352-77 inclusive, and Pa. 14380 - 81 inclusive, as shown below.

If I do not hear to the contrary from you, I will make the necessary application for extension on the whole group for a period of one year.

Alex Watt



Traced from Dept. of Mines Plan of
St. Joseph's Lake Area-Centre Part
Patricia Mining Division
District of Kenora
Scal: 40 chains = 1 inch

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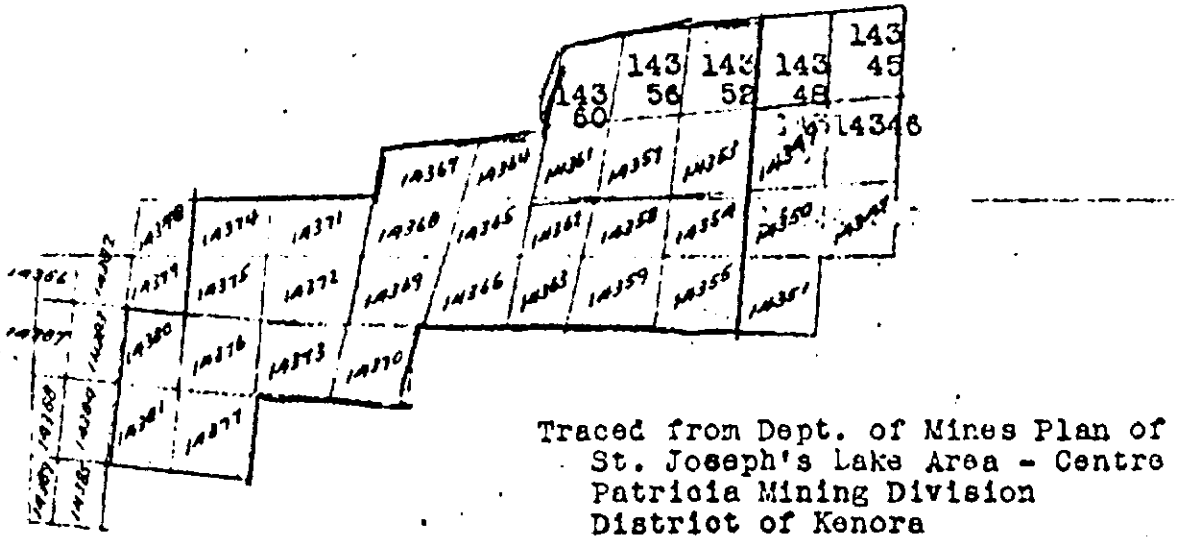
SUBJECT Page 2 Hasaga's Koval Claims	FILE REFERENCE

General (Continued)

The claims presently held are Pa. 14345 to 14389 inclusive. It is suggested that 28 claims of this group be retained to adequately protect the showings. These would consist of Pa. 14352 - 77 inclusive, and Pa. 14380 - 81 inclusive, as shown below.

If I do not hear to the contrary from you, I will make the necessary application for extension on the whole group for a period of one year.

Alex. Watt



Traced from Dept. of Mines Plan of
St. Joseph's Lake Area - Centre Part
Patricia Mining Division
District of Kenora
Scale: 40 chains = 1 inch

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
Hasaga
Koval-Ohman Option.

Hole No. D.D. .E-7... Logged by W.R.McQ

Pl ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz. Value
29555	Dark and sherty. Streak of massive pyrite.	24-26	24"	nil
56	Silicious. Dark with fine pyrite.	151-153	24"	nil
57	Ditto.	153-155½	30"	nil
58	Ditto.	155½-158	30"	nil
59	Dark brown. Fine and uniform. Some arsenopyrite and pyrite.	16816-170'6	24"	nil
60	Fine and dark. Streak of pyrite and pyrrhotite.	175-177	24"	0.35
61	Silicious - dark. Fine pyrite.	177-179'6	30"	0.35
62	Ditto.	179½-182	30"	nil
63	Ditto.	182-184½	30"	2.80
64	Ditto.	184½-187	30"	4.55
65	Ditto.	187-189	24"	nil
66	Fine dark and uniform. Well mineralized.	189-191½	30"	nil
67	Ditto.	191½-194	30"	nil
68	Ditto.	194-196½	30"	nil
69	Dark and silicious. Fair.	294-296'8	32"	2.45
70	Slaty and cherty. Streaky mineralization.	315-317	24"	nil.
71	Dark. Some green. Fairly well mineralized.	322½-325	30"	2.10
72	Dark fine and brown. Not well mineralized.	325-327½	30"	nil
73	Ditto.	327½-330	30"	nil
74	Coarse amphibole and garnet. Heavy pyrrhotite.	330-332½	30"	6.65
75	Dark and well mineralized. Arsenopyrite. etc.	332½-335	30"	10.15
76	Ditto. Less arsenopyrite. Blue-grey silicious bands.	335-337½	30"	5.95
77	Ditto.	337½-340	30"	5.25
78	Ditto.	340-342½	30"	5.25
79	Ditto.	342½-345	30"	20.30
80	Dark. Not well mineralized.	345-347½	30"	nil
81	Ditto.	347½-350	30"	nil
82	Dark.	350-352½	30"	nil
83	Ditto.	352½-355	30"	nil
84	Ditto.	355-357	24"	nil
85	Dark with quartz.veining.	357-359	24"	1.40
86	Ditto.	359-361'9	33"	2.10
87	Dyke.	361'9-362'10	13"	nil
88	Mostly quartz. Arsenopyrite in the remaining sediments.	362'10-365	26"	8.40
89	Ditto.	365-367	24"	nil
90	Ditto.	367-368½	18"	4.55
91	Dark. A little veining. Well mineralized. Arsenopyrite.	368½-370	18"	0.70

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-5 .....

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29592	Dark.	370-372½	30"		nil
93	Dark. Fair arsenopyrite.	372½-375	30"		1.05
94	Dark. Fair mineralization 5" dyke.	375-377	24"		3.50
95	Ditto.	377-379	24"		8.05
96	Ditto.	379-381	24"		4.20
97	Silicious. Well mineralized. Pyrite and pyrrhotite.	381-383	24"		4.90
98	Ditto.	383-385½	30"		2.45
99	Ditto.	385½-388	30"		nil
29600	Dark. Well mineralized.	388-390	24"		1.05
01	Ditto.	390-392½	30"		nil
02	Sericite-chlorite. Quartz veining.	392½-395	30"		nil
03	Ditto. Some coarser dark.	395-397½	30"		nil
04	Ditto. Slaty. Quartz veining.	397½-401	42"		nil
0-12	Casing.				
12-24	Sediments. Cherty type. Dark and dark silicious bands with prominent light colored narrow cherty bands. 19-20 Ground.				
24-36	Sediments. Dark with green and silicious bands.				
36-75½	Sediment. Dark brown. Medium grained. Some narrow green bands and a few ~~xtringers~~ sections which are fine and uniform. Narrow dark silicious bands common. 72½-74 Ground.				
75½-129	Sediments. Green and dark bands. Thin banded.				
129-151	Sediments. Dark brown, fine and uniform. Some dark grey silicious ban Gash stringers of quartz and carbonate.				
151-158	Sediments. Dark grey silicious. Well mineralized with fine pyrite (As in X-17)				
158-165'8	Sediments. Dark brown fine and uniform. As 129-151.				
65'8-168'6	Rhyolite; ~~hxrd~~ hard and dense fine and slightly porphyritic. Probably intorsial. Some pyrite.				
68'6-177	Sediments. Fine brown with light cherty bands. Also dark silicious bands.				
177-188'6	Silicious. Dark as B zone. Fine pyrite.				
88'6-240	Sediments. Dark fine and uniform. Suite well mineralized for first 6 feet or so. 197½-201½ Dyke.				
240-294	Sediments. Green with dark and brown bands. 244-252 Mostly fine and uniform. Brown. 277-278 Ground. 288-289 Ground. 290-294 Ground.				
294-296'8	Sediments. Dark and silicious, fine uniform.				
96'8-298'11	Diorite dyke.				
98'11-305'5	Dark with cherty bands; some prominent garnets.				
05'5-306'5	Dyke.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-7....

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
306'5-325	Dark with green plus a few cherty bands. 315-317 Slaty and cherty. Streaky mineralization. 318-319 Ground. 322½-325 Fairly well mineralized. Pyrrhotite, pyrite and arsenopyrite				
325-330	Dark fine and brown.				
330-332½	Coarse amphibole and garnet. Heavy pyrrhotite.				
332½-345	Dark, fine and well mineralized. blue grey silicious.bandin and veining narrow.				
345-357	Dark coarser than last but not well mineralized.				
357-368'6	75% irregular quartz. white veining. breccia zone. In last half sedim ents are well mineralized with arsenopyrite.				
368'6-381	Dark. Medium grained. Well mineralized to 370. 261'9-363'10 Dyke. 375-381 Increasing siliciousness and mineralization. Pyrite or pyrrho ite.				
381-388	Silicious. Well mineralized with pyrrhotite and pyrite. Some sericite and chlorite.				
388-392½	Dark. Well mineralized. Pyrite, pyrrhotite and coarse arsenopyrite.				
392½-401	Sericite-chlorite schist; slaty bands. All well mineralized.				
401-402	Dyke.				
402-405'4	Slate and cherty bands. A few streaks of mineral.				
405'4-424	Dark. A few green bands (narrow.)				
	End of hole 424'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. .X-8... Logged by W.R.McQ

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30005	Slaty. Pyrite.	7-10	36"		nil
06	Ditto.	10-12½	30"		nil
07	Ditto.	12½-15	30"		nil
08	Quartz.	37-37'9	9"		nil
09	Fine brown. Silicious bands with pyrite.	147½-150	30"		nil
10	Ditto.	170-172	24"		nil
11	Rhyolite.	177'4-178'4	12"		nil
12	Fine and dark.	178'4-180	20"		nil
13	Ditto.	180-182½	30"		nil
14	Ditto.	182½-185	30"		nil
15	Ditto.	197½-200	30"		nil
16	Silicious. Quartz veining.	200-203	36"		nil
17	Ditto.	203-206	36"		nil
18	Dark and fine.	206-208	24"		nil
19		188-190	24"		nil
20	Slaty with cherty bands. Streaky mineralization.	325-327½	30"		nil
21	Ditto. Much pyrrhotite and pyrite.	327½-330	30"		0.70
22	Ditto.	330-332	24"		0.70
23	Dark.	340-342½	30"		nil
24	Ditto. Much pyrrhotite.	342½-345	30"		nil
25	Ditto.	345-347½	30"		4.90
26	Dark and green. Weakly mineralized.	360-362½	30"		nil
27	Ditto.	362½-365	30"		nil
28	Ditto.	365-367½	30"		nil
29	Ditto.	367½-370	30"		0.35
30	Dark and green. Massive streaks of pyrite and pyrrhotite up to 1/8".	385-387	24"		1.05
31	Green and dark. Weakly mineralized.	390392½	30"		nil
32	Ditto.	392½-395	30"		nil
33	Dark. Well mineralized.	395-397½	30"		1.05
34	Ditto. Coarse arsenopyrite.	397½-400	30"		nil
35	Dark.	400-402	24"		nil
36	Ditto. Cherty bands.	402-404½	30"		nil
37	Silicious-slaty. Fair mineralization	404'6-406'9	27"		0.35
38	Dyke.	406'9-408'9	24"		nil
39	Silicious. Irregular quartz veining	408'9-411'6	33"		1.40
40	Dark, silicious and slaty.	416'11-414	30"		1.40
41	Sericite - chlorite. Well mineralized. Arsenopyrite, etc.	414-416	24"		0.70
42	Ditto. Coarse arsenopyrite.	416-418	24"		nil
43	Dark. Well mineralized. Pyrrhotite and pyrite.	418-420	24"		nil
44	Dark and green. Weak mineralization.	420-422½	30"		nil
45	Ditto.	422½-425	30"		nil
46	Irregular quartz veining.	435-437'3	27"		nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-8

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
0-7	Casing.				
7-15	Sediments; fine, slaty and quite uniform. Fairly well mineralized with pyrite, - following bedding.				
15-140	Sediments. Green and dark banded. Narrow silicious bands also. 37' 9" quartz. 36-57 Mostly dark. 85-86 Irregular quartz.				
140-177'4	Sediments. Brown mostly fine and uniform but with narrow, dark silicious bands carrying pyrite and pyrrhotite. 170' 5" dike.				
177'4-178'4	Rhyolite, porphry. Fine pyrite.				
178'4-200	Sediment. Dark grey-black. Fine, uniform. Some sections quite silicious with pyrrhotite and pyrite.				
200-206	Light silicious. Much irregular quartz.veining. Pyrrhotite and pyrite				
206-247	Sediments. Dark grey. Fairly fine and uniform. Some sections fairly silicious. Mineralization poor.				
247-250	Sediments, green and dark.				
250-271	Sediments. Dark brownish black. Fairly fine and uniform. Some section quite silicious.				
271-325	Sediments. Dark with green bands. 275'3-276'7 Dyke. 289'5-290'4 Dyke. 296' 5" bull quartz.				
325-332	Sediments. Slaty and cherty. Streaks of pyrrhotite and pyrite. 327-331 Some narrow massive bands pyrrhotite and pyrite.				
332-347½	Sediment. Dark with fairly coarse grain. 343½-347½ Coarse with garnets and much pyrrhotite and some pyrite.				
347½-395	Sediments. Dark and green. 371-373 5"and6" dykes. 378½ 5" dyke.				
395-405	Sediments. Dark brownish. Fairly well mineralized, -pyrite, pyrrhotit and arsenopyrite. Cherty silicious bands prominent in last 5".				
405-418	Silicious-slaty. Quite well mineralized. Coarse arsenopyrite common i last few feet. 406'9-408'9 Dyke.				
418-450	Sediments. Dark with green. 435-439 Irregular quartz veining.				
	End of hole 450'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. .Er9... Logged by W.R.McQ

Place ..... Location ..... Direction ..... Date .....

Sample	Description	Footage	Width	Assay Oz.	Assay Value
30047	Silicious pyrite.	18½-21½	36"		nil
48	Quartz.	127'10-128'11	13"		nil
49	Tuffs? with narrow pyrrhotite bands.	137-140	36"		nil
50	Quartz.	182-182'9	9"		nil
51	Breccia zone.	258'2-260'6	28"		nil
52	Ditto.	260'6-263	30"		nil
33694	Contorted brown sediment with condiderable quartz veining mineralization with pyrrhotite, apyrite and arsenopyrite	295-297½	30"		nil
95	Green and dark 'lenticular' banded with brown oherty bands. Fair pyrrhotite and arsenopyrite.	310-312½	30"		nil
30064		350-352½	30"		nil
65		352½-355	30"		nil
66		355-357	30"		nil
53	Dark, silicious. Fine pyrite.	360-362½	30"		0.35
54	Ditto.	362½-365	30"		nil
55	Ditto.	365-367½	30"		nil
56	Ditto.	367½-370	30"		nil
57	Ditto.	370-372½	30"		nil
58	Ditto.	372½-375	30"		0.70
59	Ditto.	382-384	24"		nil
60	Rhyolite porphry.	384-387	36"		nil
61	Ditto.	387-390	36"		0.70
62	Ditto.	390-392½	30"		nil
63	Silicious.	392½-395	30"		nil
33691	Silicified grey sediment with fine pyrite and arsenopyrite and massive pyrrhotite.	402½-405	30"		nil
92	Ditto. Less mineralization.	405-407½	30"		nil
30519		500-502½	30"		nil
20		502½-505	30"		0.35
30067	Silicious dark.	505-507	24"		nil
30521		507-510	36"		nil
22		510-512½	30"		nil
23	Ditto.	512½-515	30"		nil
24		515-517½	30"		0.35
25		517½-520	30"		nil
26		520-522½	30"		nil
27		522½-525	30"		nil
30068	Slaty - oherty. Pyrrhotite.	525-528	36"		nil
30528		528-530	24"		nil
29		530-533	36"		nil
30		533-536	36"		nil
31		536-539	36"		nil
30069	Pyrrhotite-Garnet.	539-541	24"		nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-9

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30070	Ditto.	541-543	24"		nil
30532		543-545	24"		nil
33		545-547½	30"		nil
34		547½-550	30"		nil
35		550-552½	30"		nil
36		552½-555	30"		nil
37		555-557½	30"		2.80
38		557½-560	30"		1.05
39		560-563	36"		nil
30071	Dark. Fair mineralization	563-565	24"		0.35
72	Ditto.	565-568	36"		2.10
73	Ditto.	568-571	36"		1.40
30540		571-573	24"		3.15
41		573-575	24"		0.70
42		575-578	36"		0.70
43		578-581	36"		2.45
30074	Darker weak mineralization.	581-584	36"		0.35
75	Ditto.	584-587	36"		0.35
76	Ditto.	587-590	36"		1.40
77	Ditto.	590-593	36"		2.45
78	Silicious. Well mineralized. Pyrrhotite, etc.	593-595½	30"		2.45
79	Ditto. Micaceous.	595½-598	30"		0.35
80	Ditto.	598-600	24"		nil
81	Silicious. Fine pyrite and pyrrhotite	600-602	24"		14.70
82	Dark sehistose. Weak mineralization	602-605	36"		nil
83	Silicious sericite chlorite.	605-607½	30"		0.70
84	Ditto.	607½-610	30"		0.70
85	Cherty slaty.	610-612½	30"		nil
86	Ditto.	612½-615	30"		nil
87	Dark with irregular quartz veining.	615-617½	30"		nil

0-6 Casing.

6-16 Greenstone. Green, fairly uniform, medium grained amphibolitic. Altered andesite?

16-21½ Sediments; green and silicious to 23½ then fine, uniform and silicious bands. Gradually fine and fairly uniform.
23'8-24'9 Dyke.

31½-57½ Tuffs, Green, medium grained, amphibolitic with narrow blue white bands.

57½-127'10 Greenstone; green medium grained, amphibblitic. Altered Andesite (?)
59'7-62'8 Dyke; fine acid diorite.

27'10-128'11 Dark grey blue quartz.

28'11-182'8 Sediments (tuff?) Green amphibolitic with brown micaceous (biotite) bands. Individual bands are uniform and medium grained.
135-140 Some narrow massive pyrrhotite bands.
150-151 and 159 -162 Dark silicious with cherty bands. True sediment
167½-173½ Fine uniform tuffs or fine fragmentatm.

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-9

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	182-182'8 Quartz.				
182'8-184'10	Rhyolite flow or intrusions. Porphrytic (feldspar)				
184'10-245	Sediments. Normal brown and green with silicious bands.				
245-255'3	Sediments. Slate and cherty bands.				
255'3-258'2	Dyke. Fine and diorite.				
258'2-263	Breccia zone. Cherty silicious with irregular quartz veining.				
263-288	Sediments. Dark and green bands grading into the fine, uniform brownish type from 245 to 255 and then becoming a medium grain brown type to 288'.				
288-327&3	Sediments. dark brown and green, Finely banded medium grained. Considerable irregular quartz veining. to 298. 324' 4" dyke.				
327'3-332	Dyke, fine acid diorite.				
332-345	Sediments; dark brown fine and uniform. Coarser bands coming in near last.				
345-360	Sediments. Brown with narrow silicious bands. Medium grained but becoming quite fine near end.				
360-384	Sediment. Dark grey silicious zone. (B sone) Fine disseminated.pyrit				
384-392½	Rhyolite Porphry. Fractured and silicious near start and mineralized with fine pyrite.				
392½-405	Sediments. Dark grey silicious near start but grading into fine, uniform brown sediment.				
405-472	Sediments. Fine dark brown and uniform. 427'10-430 Dyke. Medium grained diorite. 452-472 A few green bands coming in.				
472-501	Sediments. Green and dark.				
501-511'2	Sediments. Varying, in fine brown to fine dark silicious to medium from brown with narrow silicious bands . 504' 8" dyke.				
511'2-514	Dyke. Acid diorite chilled margin.				
514-525	Sediments; dark brown and green.				
525-528	Slaty - cherty. Pyrrhotite and pyrite.				
528-529(5	Dyke.				
29'5-563	Sediments; green and dark. 539-543 Garnets; silicious bands; dark quartz veining. Pyrrhotite.				
563-593	Sediments, dark with silicious stringers. 563-571 Fairly well mineralized. Arsenopyrite etc. 580'4-581'1 Dyke. 3" following dyke in chlorite breccia zone with coarse arsenopyrite. 591-593 Garnets prominent with a few slaty bands.				
593-610	Sediments; silicious zone with dark micaceous sections, - generally quite well mineralized with pyrrhotite, pyrite and arsanopyrite. 596' 6" dyke.				
610-614	Sediments. Dark cherty and slaty bands. Streaks of pyrrhotite and pyrite.				
614-619	Sediments. Dark, cherty and slaty and fine. Considerable irregular quartz veining.				
619-637	Sediments; green and dark.				
	621'6-622'3 Dyke. End of hole 637'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option.

Hole No. D.D. ..E-14.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30201	Breccia zone. Pyrite.	102-104	24"		nil
02	Ditto.	128-130	24"		nil
03	Dark with green. Irregular quartz veining.	275-278	36"		nil
04	Ditto. More quartz than last.	279½-282	30"		nil
05	'B' zone.	372-375	36"		1.05
06	Ditto.	387½-390	30"		nil
07	Ditto.	392½-395	30"		2.10
08	Ditto.	397½-400	30"		0.35
09	Tourmaline and quartz.	591½-593	18"		nil
10	Dark with green and little arsenopyrite, etc.	593-595	24"		nil
11	Ditto.	595-597½	30"		nil
30125	Dark. Weakly mineralized.	615-617½	30"		nil
26	Ditto.	617½-620	30"		nil
27	Ditto.	620-622½	30"		nil
28	Ditto.	622½-625	30"		nil
29	Ditto.	625-627½	30"		nil
30	Ditto.	627½-630	30"		nil
31	Ditto.	630-632½	30"		0.70
32	Ditto.	632½-635	30"		nil
33	Ditto.	635-637½	30"		nil
34	Ditto. Better mineralization.	637½-640	30"		0.70
35	Ditto.	640-642½	30"		1.05
36	Contact zone. Dark and silicious. Well mineralized.	642½-645	30"		4.20
37	Silicious.	645-647½	30"		2.45
38	Ditto. Well mineralized. Pyrrhotite and pyrite.	647½-650	30"		nil
39	Ditto.	650-652½	30"		0.70
40	Ditto.	652½-655	30"		2.10
41	Ditto.	655-657½	30"		4.90
42	Ditto. Sericite - chlorite in last foot. Arsenopyrite.	657½-660	30"		1.75
43	Ditto.	660-662½	30"		3.15
44	Dark, sericite - chlorite and slaty Well mineralized. Coarse arsenopyrite.	662½-665	30"		1.40
45	Dark brown with slaty and cherty bands. Fair mineralization.	665-667½	30"		nil
0-7	Casing.				
7-14	Tuffs. Green and medium to coarse grained.				
14-27	Sediments. Slaty and cherty. Streak fo pyrrhotite and pyrite. A few narrow green (tuff?) bands. - 6 inches and less. 20½-21½ Dyke.				
27-48	Greenstone; tuffs (?) Andesitic. Contacts grade in banded sediments.				
48-52	Sediments. Brown with slaty and cherty bands.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-11

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
52-78	Sediments or tuffs. Green and brown banded with silicious and chert bands. 66-69 Dark brown slaty - greywacke.				
78-87'9	Sediments, dark brown and uniform. Fine slaty banding.				
87'9-223	Greenstone. Tuffs and fine fragmentals. Green and heavily carbonatized. 100'4-102 Fine dyke. 102-104 Breccia zone. Coarse pyrite blebs. 104-120 Coarse grained amphibolitic. Considerable cross fracturing and slipping. 128-132 Breccia zone. 142-148 Considerable brecciation. 195-212 Slips lengthwise. 212-214 Ground. 214-216 Heavily brecciated zone. 216-221 Banded brown and green with marked cross fracturing. 221-223 Ground.				
223-229	Rhyolite; grey and fairly fine. Intrusive by last contact. Fine acid diorite.				
229-372	Sediments; brown, fine and uniform to about 240' when a few narrow green bands start.but do not become plentiful. Slaty - cherty from 264-270 then a few green bands again. 275-282 Considerable irregular veining; broken and fractured. 278-282 282-287½ Much green with garnets in brown bands. 287½-351 Fine uniform brown to 290' then green bands again coming in but from 304' mostly a medium grained brown with thes contorted cher bands many of which are squeezed up presenting a coarse mottled appe rance. 308-310 Irregular quartz veining; also carbonate and feldspar. 314-323 As last. After 330 generally less alterations - more normal brown sediments with cherty and/or . licious greenish bands. 351-372 Brown, fine and uniform. Sections 358-360; 368-370; Ground.				
372-411'5	Rhyolite? Dark grey silicious with fine pyrite and pyrrhotite. ('B' zone) Fractured and much altered. In more massive sections readily recognizable as origionally a fine rhyolite, slightly porphyrytic.				
411'5-509	Sediments; brown fine and medium. Around 440' grading to dark grey-black more silicious type but still fine and uniform. 475-509 Dark brown, fine and uniform, but narrow silicious greenish bands increasing. 478⅛-480 Ground. 504⅛-506 Ground.				
509-511½	Dyke, fine acid.				
511½-525	Sediments tuffs? Dark brown with green. Medium grained.				
525-547	Sediments. Grey, fine and uniform. Inclined to be silicious. Some cherty banding.				
547-593	Sediments. Tuffs? Dark and green banded. Large garnets near 549. Medium to coarse in grain; biotite and amphibole. 558½-559⅛ Dyke.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. .E-11..

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	586-591½ Dyke. Medium grained diorite.				
	591-593 Much tourmaline and quartz.				
593-644	Sediments. tuffs? Dark with green but only weakly mineralized generally.				
644-662½	Silicious zone. For details see assays with descriptions.				
662½-681	Sediments. Slaty and cherty grading into dark brown and fine. Green bands coming in around 675'.				
	End of hole 681'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

HASAGA

Koval-Ohman Option.

Hole No. D.D. E-12 .....

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30295	Round.	11-13	24"		nil
96		13-15	24"		nil
97		15-17½	30"		nil
98		19-21	24"		nil
99		21-23	24"		nil
30300	Round.	23-25	24"		nil
46	Veining in brown cherty sediments. Arsenopyrite.	132½-135	30"		nil
47	Ditto.	135-137½	30"		2.45
48	'B' zone.(?)	177½-180	30"		nil
49-52	Ditto.	180-189			nil
53	Grey. Fair mineralization.	225-228	36"		nil
54	Silicious. 'B' zone. Well mineralized.	228-231	36"		0.35
55	Ditto.	231-234	36"		0.70
56	Ditto.	234-236½	30"		nil
57	Much quartz.	236½-238½	24"		1.40
58	Brecciated 'B' zone.	238½-241	30"		3.85
59	Ditto.	241-244	36"		2.45
60	Ditto.	244-247	36"		1.40
61	Ditto.	247-250	36"		nil
62	Garnets and heavy pyrrhotite.	290-292½	30"		1.75
63	Ditto.	292½-295	30"		0.70
30501	Tourmaling and quartz.	300-302	24"		nil
02	Dyke.	302-305	36"		nil
03	Green and dark.	305-307½	30"		nil
04	Ditto.	307½-310	30"		nil
05	Ditto.	310-312½	30"		nil
06	Ditto.	312½-315	30"		1.40
07	Ditto.	315-317½	30"		nil
08	Ditto.	317½-320	30"		nil
09	Ditto.	320-322½	30"		nil
10	Ditto.	322½-325	30"		0.35
30164	Dark and green.	325-328	36"		nil
65	Ditto.	328-330'8	32"		nil
66	Dyke.	330'8-331'9	13"		nil
67	Dark and green.	331'9-335	39"		nil
68	Dark and green. A few cherty bands.	335-337	24"		nil
69	Ditto.	337-339	24"		nil
70	Silicious. Well mineralized pyrite.	339-341	24"		nil
71	Sericite chlorite.	341-343	24"		1.75
72	Sericite chlorite grading to dark impregnated.	343-345	24"		nil
73	Dark impregnated.	345-347½	30"		1.05
74	Ditto. Well mineralized.	347½-350	30"		nil
75	Grading to silicious.	350-352½	30"		0.70
76	Light grey silicous.	352½-355	30"		0.70

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-12.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30177	Darker silicious. Much pyrite.	355-357½	30"		5.60
78	Ditto.	357½-360	30"		7.35
79	Ditto.	360-363	36"		7.00
80	Fine dark.	363-365	24"		0.70
81	Ditto.	365-366'7	19"		nil
82	Not split.	375-377	24"		0.70
32118	Grey sediment. Quartz stringers. Little arsenopyrite and pyrite on slips.	108-110	24"		1.40
29	Rhyolite? Grey brown altered sediment.	110-112½	30"		5.25
30	Fractured and intruded at start. Fractured rhyolite at end.	112½-115	30"		2.80
31	Highly fractured rhyolite?	115-117½	30"		nil
32	Ditto.	117½-120	30"		1.05
33	Contact zone quartz veining.	120-122	24"		nil
16	Grey sediment, quartz stringers.	137½-140	30"		nil
17	Ditto.	140-142½	30"		nil
19	Grey sediment muscovite.	162-164	24"		nil
20	Grey sediment, muscovite.	172-174	24"		nil
0-11	Casing.				
11-65	Sediments - Tuffs? Dark brown with silicious green and dark silicious bands. 17½-19 Ground. 24' 7" Dyke.				
65-177½	Sediments. Brown, fine and uniform; short coarser phases. A few narrow slaty and cherty bands. 112-120½ Rhyolite (?) Heavily altered and fractured. 120½-137½ More irregular, considerable veining especially in last five feet; also some arsenopyrite and more cherty material. 137½-177½ Not as brownish as rest.				
177½-189	'B' zone? Silicious Rhyolite (?) Considerable fine pyrite around 185.				
189-228	Sediments - brown to grey - brown. Fine and uniform generally grey areas are more silicious. 190-201 Green bands. 204-205½ Dyke Last 3 feet grey and more silicious with arsenopyrite etc. mineralization.				
228-247	Silicious dark 'B' zone? Rhyolite? Quite well mineralized. Pyrite, Arsenopyrite and Pyrrhotite.				
247-301½	Sediments - tuffs? Brown with green amphibolitic bands, 290-295 Brecciated Coarse garnets. Heavy pyrrhotite. 300-301½ Tourmaline and quartz.				
301½-304'8	Diorite dyke; acid.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-12

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
304'8-339	Sediments - Tuffs (?) Dark and green. Odd cherty band. Silicious banding increasing after 325'. 330'8-331'9 Dyke.				
339-344	Mostly sericite and chlorite schist. Much blue silicious material with white quartz at start. All well mineralized, pyrrhotite.				
344-352½	Dark with impregnated quartz and carbonate. Quite well mineralized. Pyrite and pyrrhotite and arsenopyrite.				
352½-363	Silicious. 352½-355 Light grey; fair pyrite. 355-363 Dark grey and heavily mineralized with pyrite.				
363-377	Sediments; brown, slaty and cherty. All fine. Mineralization for first few feet. Grades to brown with green at 375'. 366'7-367'3 Dyke. 368'2-369'4 Dyke.				
	End of hole 377'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

HASAGA

Noval-Ohman Option.

Hole No. D.D. E-13

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30212	Fine brown, fairly silicious. Streaks of pyrite.	5-7½	30"		1.05
13	Ditto.	7½-10	30"		nil
14	Ditto.	10-12½	30"		nil
15	Ditto. Pyrite.	12½-15	30"		nil
16	Ditto.	15-17½	30"		nil
17	Ditto. Much irregular quartz veining	17½-20	30"		1.75
18	Ditto.	20-22½	30"		nil
19	Ditto. Fair mineralization.	22½-25	30"		nil
20	Ditto.	25-28	36"		1.75
21	Ditto.	28-31	36"		1.40
22	'B' zone. Rhyolite fractured and mineralized. Pyrite.	31-33	24"		2.10
23	Ditto.	33-35	24"		3.15
24	Ditto.	35-38	36#		4.55
25	Dyke.	38-41	36"		nil
26	'B' zone. Rhyolite. Fractured and mineralized. Pyrite.	41-44	36"		2.80
27	Ditto;	44-47	36"		2.80
28	Ditto.	47-50	36"		3.50
29	Ditto.	50-52½	30"		3.50
30	Ditto.	52½-55	30"		1.40
31	Ditto.	55-58	36#		0.70
32	Sediments. Fine brown and uniform.	58-60	24"		nil
33	Ditto.	60-62½	30"		nil
34	Ditto.	62½-65	30"		nil
35	Ditto.	65-67½	30"		nil
36	Ditto.	67½-70	30"		nil
37	Ditto.	70-72½	30"		nil
38	Ditto.	72½-75	30"		nil
39	Ditto.	75-77½	30"		0.35
40	Ditto.	77½-80	30"		0.35
41	Ditto.	80-82½	30"		nil
42	Ditto.	82½-85	30"		nil
43	Ditto.	85-87½	30"		nil
44	Ditto.	87½-90	30"		nil
45	Ditto.	90-92½	30"		nil
46	Ditto.	92½-95-	30"		nil
47	Ditto.	95-97½	30"		nil
48	Ditto.	97½-100	30"		nil
49	Ditto.	100-102½	30"		nil
50	Ditto.	102½-105	30"		nil
51	Ditto.	105-107½	30"		nil
52	Ditto.	107½-110	30"		nil
53	Ditto. 12" dyke.	110-112½	30"		nil
54	Slightly goarser a few green bands.	112½-115	30"		nil
55	Ditto.	115-117½	30"		nil
56	Ditto.	117½-120	30"		0.70

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

HASAGA

Hole No. D.D. E--13

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30256	Ditto.	117⅛-120	30"		0.70
57	Ditto.	120-122½	30"		nil
58	Ditto.	122½-125	30"		nil
59	Brown and green	125-127⅛	30"		nil
60	Ditto.	127⅛-130	30"		nil
61	Brown. Medium grained. Some green	130-132½	30"		nil
62	Brown. Quartz carbonate stringers.	132½-135	30"		nil
63	Ditto.	135-137⅛	30"		nil
64	Greenish brown.	137⅛-140	30"		nil
65	Mostly dyke.	140-142½	30"		nil
66	Fine brown.	142½-145	30"		nil
67	Ditto. Some irregular quartz.	145-147½	30"		nil
68	Ditto.	147⅛-150	30"		nil
69	Slaty and brown silicious.	150-152½	30"		nil
70	Ditto.	152½-155	30"		0.70
71	Dark with green.	155-157½	30"		0.35
72	Ditto.	157⅛-160	30"		nil
73	Ditto.	160-163	36"		nil
74	Mixed last with slate etc.	163-166	36"		nil
75	Dark; garnets.	172-175	36"		2.10
76	Dark.	175-177½	30"		1.05
77	Ditto.	177⅛-180	30"		0.70
78	Dark uniform.	180-183	36"		nil
79	Pyrrhotite and garnets.	183-185	24"		0.70
80	Dark.	185-187½	30"		nil
81	Ditto.	187⅛-190	30"		nil
82	Ditto.	190-192½	30"		0.70
83	Ditto.	192½-195	30"		nil
84	Ditto.	195-197	24"		nil
85-	Ditto. Quite well mineralized.	197-199	24"		1.05
86	Ditto.	199-201⅛	30"		1.05
87	Ditto.	201½-204	30"		0.35
88	Ditto.	204-206⅛	30"		1.40
89	Ditto.	206⅛-209	30"		9.10
90	Ditto.	209-211⅛	30"		2.80
91	Ditto.	211⅛-214	30"		4.55
92	Dark and green.	214-216⅛	30"		1.05
93	Ditto.	216⅛-219⅛	36"		6.30
94	Ditto.	219⅛-223	42"		1.40
30183	Dark and green.	223-225	36"		nil
84	Dark and altered. Well mineralized. Pyrrhotite. etc.	226-228⅛	30"		0.70
85	Dark with sericite chlorite. Garnets Well mineralized.	228⅛-231⅛	36"		nil
86	Sericite chlorite.	231⅛-233⅛	24"		nil
87	Altered dark impregnated. Well mineralized.	233⅛-236	30"		nil
88	Ditto.	236-238⅛	30"		0.70

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. ~~E-13~~.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30189	Ditto.	238½-241	30"		nil
90	Slaty sericite schist.	241-244'2	38"		1.05
91	Dyke.	244'2-245'2	12"		nil
92	Slaty.	245'2-246'2	12"		1.05
0-5	Casing.				
5-31	Sediments, fine, brown and uniform. In places a fair amount of pyrite both disseminated and in streaks following shearing or bedding. 17½-20 Considerable irregular quartz veining.				
31-58	'B' zone. Rhyolite slightly porphyritic. Fractured and mineralized mainly with pyrite. 38-41 Diorite dyke.				
58-112	Sediments; fine, brown and uniform. 111-112 Dyke.				
112-131	Sediments. Brown, quite similar to 58-112' except a little coarser and less uniform and with some green banding especially in last 6'.				
131-150	Sediments; brown, fine and uniform. Fine quartz carbonate stringers common. 140-141'8 Dyke. NOTE Somewhere previous to 172' six feet of core was lost and not reported. Discovered when checking rods. Suspect between 120' and 172'. To make core match hole this was adjusted between 166' and 172' which is probably where the core was actually ground.				
150-155-	Sediments; dark with slaty and cherty bands.				
155-164	Dark with green. Tuffs (?)				
164-166	Sediments. Brown, slaty and cherty.				
166-172	Sediments, tuffs? Dark with green. Garnets prominent in first 4' Fairly uniform, medium grain. 183-185 Much pyrrhotite. Large garnets.				
185-197	Sediments - tuffs? Dark and altered. A little green. Medium grained. Lenses.				
197-214	Sediments. Dark brown. Fine to medium. All fairly well mineralized. 202½-203½ Dyke. 211' 5" dyke.				
214-231½	Sediments - tuffs? Dark with green. Some sericite - chlorite near last.				
233½-244	Dark; impregnated. Quite well mineralized.				
241-246	Slaty - cherty with sericite chlorite. 244-245 Dyke.				
	End of hole 246'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option.

Hole No. D.D. E-14....

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30196	Ditto.	14-16	24"		nil
93	Slaty and cherty sediment.	6-8	24"		nil
94	Ditto.	8-10	24"		nil
95	Ditto.	10-12½	30"		nil
97	Ditto.	16-18	24"		nil
98	Ditto.	18-20	24"		nil
99	Ditto.	20-22½	30"		nil
30200	Ditto.	22½-25	30"		nil
01	Ditto.	25-27½	30"		nil
02	Ditto.	27½-30	30"		nil
03	Ditto.	30-32½	30"		nil
04	Ditto.	32½-35	30"		nil
05	Ditto.	35-37½	30"		nil
06	Ditto.	37½-40	30"		nil
07	Ditto.	40-42½	30"		0.70
08	Ditto.	42½-45	30"		nil
09	Ditto.	45-47½	30"		nil
10	Ditto.	47½-50	30"		nil
11	Slate and greywacke.	50-52½	30"		nil
12	Ditto.	52½-55	30"		nil
13	Ditto.	55-57½	30"		nil
14	Ditto.	57½-60	30"		nil
15	Ditto.	60-63	36"		nil
16	Ditto.	63-66'3	39"		nil
17	Dyke.	66'3-68'6	27"		nil
18	Slate and greywacke.	68'6-71	30"		nil
19	Dyke.	71-74	36"		nil
20	Ditto.	74-77	36"		nil
21	Silicious Quartz veining.	79-81½	30"		nil
22	12" dyke.	81½-83½	24"		nil
	Ground.	77-79			
23	Silicious.	83½-85	18"		nil
24	Ditto.	85-87½	30"		nil
25	Ditto.	87½-90	30"		nil
26	Ditto.	90-92½	30"		nil
27	Ditto.	92½-95	30"		nil
28	Ditto.	95-97½	30"		nil
29	Ditto.	97½-100	30"		nil
30	Quartzite with dyke.	100-102	24"		nil
31	Ditto.	102-104	24"		nil
	60% dyke. Ground.	104-105			
32	Cherty - slaty with dyke.	105-107½	30"		nil
33	Ditto.	107½-110	30"		nil
34	Cherty - slaty.	110-112½	30"		nil
35	Ditto.	112½-115	30"		1.05
36	Quartzitic - Greywacke.	115-118	36"		nil
37	Ditto.	118-121	36"		nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. .E-14..

Place ..... Location ..... Direction ..... Data .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	Ground.	121-123			
30338	Ditto.	123-125	24"		nil
39	Ditto.	125-217½	30"		nil
40	Ditto.	127½-130	30"		nil
41	Ditto.	130-132½	30"		nil
42	Ditto.	132½-135	30"		nil
43	Ditto.	135-137½	30"		nil
44	Sediments.	137½-140	30"		nil
45	Ditto.	140-142½	30"		nil
46	Ditto.	142½-145	30"		0.35
47	Ditto.	145-147½	30"		nil
48	Ditto.	147½-150	30"		nil
	?	150-176			
49	Slates.	176-178	24"		nil
50	Ditto.	178-180	24"		nil
51	Ditto.	180-182½	30"		nil
52	Ditto.	182½-185	30"		nil
53	Ditto.	185-187½	30"		nil
54	Ditto.	187½-190	30"		nil
55	Ditto.	190-192½	30"		nil
56	Ditto.	192½-195	30"		nil
57	Ditto.	195-197½	30"		nil
58	Ditto.	197½-200	30"		nil
59	Ditto.	200-202½	30"		nil
60	Ditto.	202½-205	30"		nil
61	Ditto.	205-207½	30"		nil
62	Ditto.	207½-210	30"		nil
63	Ditto.	210-212½	30"		nil
64	Ditto.	212½-215	30"		nil
65	Black. Quartz veinlets.	215-217½	30"		nil
66	Silicified. Quartz veinlets.	217½-220	30"		nil
67	Slaty.	220-222½	30"		nil
68	Ditto.	222½-225	30"		nil
69	Dyke.	225-226'2	14"		nil
70	Quartz and tourmalinized sediments, pyrite.	226'2-227½	16"		1.05
71	Veinlets in tourmalized sediments.	227½-230	30"		0.35
72	Ditto.	230-232	24"		nil
73	Ditto.	232-234	24"		nil
74	Much quartz in tourmalized sediments Pyrite.	234-236	24"		nil
75	Veinlets in tourmalized sediments.	236-237½	18"		nil
76	Sediments.	237½-240	30"		nil
77	Ditto.	240-242½	30"		nil
78	Ditto.	242½-245	30"		nil
79	Ditto.	245-247½	30"		nil
80	Dyke.	247½-250	30"		nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

HASAGA

Hole No. D.D. E-14

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
30380	Dyke.	247½-250	30"		nil
	?	250-275			
81	Slaty sediments.	275-277½	30"		nil
82	Ditto.	277½-280	30"		nil
83	Ditto.	280-282½	30"		nil
84	Ditto.	282½-285	30"		nil
85	Ditto.	285-287½	30"		nil
86	Ditto.	287½-290	30"		nil
87	Ditto.	290-292½	30"		nil
88	Ditto.	292½-295	30"		nil
89	Ditto.	295-297½	30"		nil
90	Ditto.	297½-300	30"		nil
	?	300-318			
	Ground.	312½-315½			
91	Mostly quartz and brown feldspar.	318'7-319'3	8"		nil
	Lost.	319-323			
92	Slaty sediments.	325-327	24"		nil
93	Ditto.	327-328½	18"		6.65
94	Green and silicious with massive pyrite.	328½-330½	24"		nil
95	Ditto.	330½-332½	24"		nil
96	Green and silicious.	332½-335	30"		nil
97	Ditto.	335-337½	30"		nil
98	Ditto.	337½-340	30"		nil
99	Ditto.	340-342½	30"		nil
30400	Ditto.	342½-345	30"		nil
01	Ditto.	345-347½	30"		nil
02	Ditto.	347½-350	30"		nil
03	Ditto.	350-352½	30"		nil
04	Ditto.	352½-355	30"		nil
05	Ditto.	355-357½	30"		nil
06	Ditto.	357½-360	30"		nil
07	Slaty; Pyrite.	360-362½	30"		nil
08	Ditto.	362½-365	30"		nil

0-6 Casing.

6-45 Sediments; fine grey slate with many buff - grey cherty bands, also some fine, uniform brown sediments. Some streaky pyrite and pyrrhotite. following the bedding or shearing.
12½-14 Ground.
24'4-25'2 Dyke.
28'6-29'9 ~~Ground~~. Dyke.
36'6-38 Dyke.

45-77 Sediments; slate and fine greywacke. Occasional cherty bands. Streak of pyrite.
66'3-68'6 Coarse grained. diorite.
71-74 Diorite; medium grained.

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-14

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz. Value
77-79	Ground.			
79-138	Sediments. Generally grey and fairly silicious; banding in many places faint. Many sections are now ~~chloritized~~ chlorite-sericite Pyrite streaks everywhere. Irregular quartz veining around 82' and 92'.			
	82'5-83'5 Dyke.			
	100-110 60% dike with 104-105 ground.			
	110-113 Cherty banding.			
	121-123 Ground.			
138-170	Sediments; slates, slaty - quartzite and greywacke.			
	157½-158½ Dyke.			
	165½ 6" dyke.			
170-328½	Sediments grey slates, uniform and fine. Chlorite schists. Fine banding. Minor dragfolding.			
	175-176 Ground.			
	215-217½ Black gritty quartzite. Fractured with many veinlets.			
	217½-220 Silicified Irregular quartz veining. Pyrite.			
	225-226'2 Granitic dyke.			
	226'2-237½ Heavily tourmalized; many quartz veinlets; also veins up to 6" at 227 and 235. All with fair pyrite.			
	247½-250'8 Dioritic dyke.			
	258½-259½ Ground.			
	259½-261 Dyke.			
	312½-315½ Ground.			
	319 8" quartz and brown feldspar. running with core.			
328½-360	Sediments - tuffs? Medium to coarse grained green amphibolitic bands with dark silicious bands. Large garnets. First five feet has massive streaks of pyrite up to 2" in width.			
360-365	Sediments. Slaty. Streaks of pyrite and pyrrhotite.			
	End of hole 365'			

HASAGA GOLD MINES LTD.

DIAMOND DRILL REPORT

BEN LAKE

Hole No. DD E- I5

Location	Direction	Date
N4670		
E 6970		

Dip: at collar-55; at 390'-

Sample No.	Description	Footage	Width	assay Oz.	Value
30409	Brown siliceous bands	6'-8'	24"	nil	
I0	do	8'-I0'	24"	nil	
II	do	I0'-I2½'	30"	nil	
I2	do	I2½'-I5'	30"	nil	
I3	do	I5'-I7½'	30"	nil	
I4	do	I7½'-20'	30"	nil	
I5	do	20'-22½'	30"	nil	
I6	do	22½'-25'	30"	nil	
I7	do	25'-27½'	30"	nil	
I8	do	27½'-30'	30"	nil	
I9	do	30'-32½'	30"	nil	
20	do	32½'-35'	30"	nil	
21	do	35'-37½'	30"	nil	
22	do	37½'-40'	30"	nil	
23	Brown, fine and uniform	40'-42½'	30"	nil	
24	do	42½'-45'	30"	nil	
25	do	45'-47½'	30"	nil	
26	do	47½'-50'	30"	nil	
27	do	50'-52½'	30"	nil	
28	do	52½'-55'	30"	nil	
29	do	55'-57½'	30"	nil	
30	do	57½'-60'	30"	nil	
31	do	60'-62½'	30"	nil	
32	do	62½'-65'	30"	nil	
33	do	65'-67½'	30"	nil	
34	Rhyolite	67½'-70'	30"	nil	
35	do	70'-72½'	30"	nil	
36	do	72½'-75'	30"	nil	
37	do	75'-77½'	30"	nil	
38	do	77½'-80'	30"	nil	
39	do	80'-82½'	30"	nil	
40	do	82½'-85'	30"	nil	
41	do	85'-87½'	30"	nil	
42	do	87½'-90'	30"	nil	
43	do	90'-92½'	30"	nil	
44	do	92½'-95'	30"	nil	
45	do	95'-97½'	30"	nil	
46	do	97½'-I00'	30"	nil	
47	Mixed rhyolite breccia and brown siliceous sediment.	I00'-I02½'	30"	nil	
48	do	I02½'-I05'	30"	nil	
49	do	I05-I07½'	30"	.09	3.I5
50	do	I07½'-II0'	30"	nil	
51	do	II0'-II2½'	30"	.0I	0.35
52	do	II2½'-II5'	30"	.02	0.70
53	do	II5'-II7½'	30"	.0I	0.35
54	Brown sediments fine and uniform	II7½'-I20'	30"	nil	
55	do	I20'-I22½'	30"	nil	

HASAGA GOLD MINES LTD

DIAMOND DRILL REPORT

BEN LAKE

Hole No. DD E- I5

Location N 4670 E 6970 Direction Dip: at collar -55; 390' - Date

Sample No.	Description	Footage	Width	Assay Oz.	Value
30455	Brown sediments fine and uniform	I20'-I22⅛'	30"	nil	
56	do	I22⅛'-I25'	30"	nil	
57	Brecciated rhyolite and brown silicified; Pyrite	205'-208'	36"	.0I	0.35
58	do	208'-2II'	36"	.0I	0.35
59	Brecciated rhyolite	2II'-2I3'	24"	nil	
60	do	2I3-2I5'	24"	.03	I.05
6I	do	2I5'-2I7⅛'	30"	.07	2.45
62	do	2I7⅛-220'	30"	.02	0.70
63	do	220-222⅛'	30"	.02	0.70
64	do	222⅛'-225'	30"	.05	I.75
65	do	225'-227⅛8	30"	.02	0.70
66	do	227⅛'-230'	30"	.03	I.05
67	do	230'-232⅛'	30"	.0I	0.35
68	do	232⅛'-235'	30"	.0I	0.35
69	Sediments mixed	235'-237⅛'	30"	.0I	0.35
70	do	237⅛'-240	30"	.0I	0.35
7I	Green and brown sediments	275'-277⅛'	30"	nil	
72	do	277⅛'-280'	30"	nil	
73	do	280'-282⅛'	30"	nil	
74	do mostly green	282⅛'-285'	30"	nil	
75	do	285'-287⅛8	30"	nil	
76	do	287⅛'-290'	30"	nil	
77	do	290'-292⅛'	30"	nil	
78	Amphibolic with Garnet	292⅛'-295'	30"	nil	
79	do	295'-297⅛'	30"	.0I	0.35
80	do	297⅛'-300'	30"	.02	0.70
8I	Coarse amphibole	302'- 304'	24"	nil	
82	Fine green and brown; pyrrhotite	304'-306'	24"	nil	
83	do	306'-308'	24"	.0I	0.35
84	do less pyrrhotite	308'-3I0'	24"	nil	
85	do blue qtz. up to 6"	3I0-3I2⅛'	30"	nil	
86	Green and brown medium grain	3I2⅛'-3I5'	30"	nil	
87	do	3I5'-3I8'	36"	nil	
88	Green and brown med. grain	325'327'	30"	.0I	0.35
89	do	330'332'	30"	nil	
90	do coarser	335-337⅛'	30"	nil	
9I	do	340'-342'	30"	nil	
92	do	345'-347⅛'	30"	nil	
93	do	347⅛'-350'	30"	nil	
94	do	350'353'	36"	nil	
95	do	353'-356'	36"	nil	
96	do	356-358⅛'	30"	nil	
97	Sericite chlorite ;Pyrrhotite	358⅛'-360'	I8"	.0I	0.35
98	do no mineralization	360'-362⅛'	30"	nil	
99	do	362⅛'-365'	30"	nil	
30500	do dark bands	365'-367⅛'	30"	nil	
II	do	367⅛'-370	30"	.02	0.70
I2	do	370'-372'	24"	nil	
I3	do dark well min.Pyrrh. Py.	372'-374'5"	29"	nil	

HASAGA GOLD MINES LTD.

DIAMOND DRILL REPORT

BEN LAKE

Hole No. DD E- I5

Location	Direction	Date
N 4670		
E 6970		

Dip; at collar -55; at390'-

Sample No.	Description	Footage	Width	Assay Oz. value
305I4	Slaty cherty	384'-387'	36"	nil
I5	do	387'-390'	36"	nil
I6	do	390'-393'	36"	nil
I7	do	393'-396'	36"	nil
I8	do	396'-399'	36"	nil

0-6' Casing
6-40 Sediments, brown irregular siliceous green bands medium grained Tuff?
24½'-25⅛' Dyke
40-67⅛' Sediments brown fineand uniform
67⅛'-IOI' Rhyolite breccia quartz stringer and uniform
IOI'-II6' Mixture of breccia and brown silicified sediment pyrite mineralization
II6'-I70 Sediments brown and uniform
I70'-I82' Sediment tuff? brown and green
I82'-2I4' Sediments brown fine and uniform
I9I'-I93' Dike
203¼-204⅛' "
205'-2II' Mixture of rhyolite material and brown silicified sediments fair mineralization Pyrite.
2II-235' Rhyolite breccia stringers and veinlets of quartz some disseminated pyrite
235'-247' Sediments, dark fine some siliceous also cherty bands also garnets.
247'-293' Sediment, Tuff? Brown and green amphibolic medium grain
282-293' More like an altered greenstone(Andesite)
293'-304' Coarse amphibole and many garnets average .I6"

304'-3I8' Sediment-Tuff? green amphibole with brown;fine grain to medium. Afew veinlets well mineralized: Pyrrhotite.
3I2'-3I5 Blue quartz. irregular veining
3I8'-32I'8" Diorite dyke-with inclusions.
32I'8"-358⅛' Sediment-Tuff? medium grain green amphibole and brown biotite somewhat coarse in grain after 332' with narrow blue quartz or cherty veinlets
343⅜'-344⅛' Dike
358⅛'-374'5" Siliceous zone? mostly sericite chlorite schist with a few dark bands fair pyrrhotite some pyrite coarse arsenopyrite from 366'-368'
374'5"-384' Diorite dike
384'-390' Sediments slaty and cherty
390'-399' Sediments brown fine and uniform
392⅛'-393'9" Dike

End of hole 399'

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
HASAGA
Koval-Ohman Option.

Logged by;R,D,M.

Hole No. D.D. E-25

Place Surface Location. 4269.6N 5743.6E Direction N22W Date July31/54
Elevation 5004.6

Dip: 0' -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
32556	Sediment light.	5-7	24"		nil
57	Ditto.	9'6-11'3	21"		nil
58	Sediment light and dark banded.	11'6-13	18"		nil
59	Ditto.	20-22	24"		nil
60	Ditto.	22-24	24"		nil
61	Sediment.	24-26	24"		nil
62	Ditto.	26-27	12"		3.10
63	Light silicious	27-29	24"		4.20
64	Ditto.	32-34	24"		4.55
65	Ditto.	34-36	24"		1.05
66	Ditto.	36-38	24"		nil
67	Ditto.	38-39'6	18"		nil
68	Silicious zone	39'6-40'10	16"		nil
69	Sediment.	41'3-42'11	20"		nil
70	Dyke.	42'11-43'9	10"		nil
71	Sediment.	43'9-45	15"		nil

0-5 Casing.

5-11'3 Sediment light grey fine grained silicious with sulphide stringers (very small) throughout.
7-9'6 Ground.
11'3-11'6 Ground.

11'3-27 Sediment dark and light banded with abundant quartz inclusions some amphibole in places (minor) also some disseminated pyrite?
13-20 Ground.

27-45 Sediment light silicious fine grained with abundant disseminated pyrite in places cherty bands up to ½" wide.
39'6-40'10 silicious zone with mineralized with pyrite and sheared.
42'11-43'9 Dyke medium grained quartz diorite.
29-32 Ground.
40'10-41'3 Ground.

END OF HOLE 45'

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT,
HARKA
Koval-Ohman Option.

Hole No. D.D. F-25 Logged by R.D.M.

Place Surface Location 4269.6N 5743.6E Direction N22W Date July 31/54
Elevation 5004.6

Dip: 0' -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
32556	Sediment light.	5-7	24"		nil
57	Ditto.	9'6-11'3	21"		nil
58	Sediment light and dark banded.	11'6-13	18"		nil
59	Ditto.	20-22	24"		nil
60	Ditto.	22-24	24"		nil
61	Sediment.	24-26	24"		nil
62	Ditto.	26-27	12"		3.10
63	Light silicious.	27-29	24"		4.20
64	Ditto.	32-34	24"		4.55
65	Ditto.	34-36	24"		1.05
66	Ditto.	36-38	24"		nil
67	Ditto.	38-39'6	18"		nil
68	Silicious zone.	39'6-40'10	16"		nil
69	Sediment.	41'3-42'11	20"		nil
70	Dyke.	42'11-43'9	10"		nil
71	Sediment.	43'9-45	15"		nil
0-5	Casing.				
5-11'3	Sediment light grey fine grained silicious with sulphide stringers (very small) throughout. 7-9'6 Ground. 11'3-11'6 Ground.				
11'3-27	Sediment dark and light banded with abundant quartz inclusions some amphibole in places (minor) also some disseminated pyrite? 13-20 Ground.				
27-45	Sediment light silicious fine grained with abundant disseminated pyrite in places cherty bands up to ½" wide. 39'6-40'10 Silicious zone well mineralized with pyrite and sheared. 42'11-43'9 Dyke medium grained quartz diorite. 29-32 Ground. 40'10-41'3 Ground.				
	End of hole 45'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
Hasaga
Koval-Ohman Option.

Hole No. D.D. E-26 ..... 4239.4N Logged by. R.D.M.

Place Surface ..... Location. 5605.1E ..... Direction ..... Date July28/54
Elevation: 5001.8

Dip 0' -30°

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
32357	Sediment.	5-7'6	30"		nil
58	Dyke.	7'5-8'3	10"		nil
59	Sediment.	8'3-8'9	6"		nil
60	Sediment.	11-13	24"		nil
61	Sediment.	13-15	24"		1.05
62	Sediment.	15-17	24"		0.70
63	Sediment.	17-19	24"		nil
64	Sediment.	19-20	12"		nil
65	Sediment.	21-22'3	15"		5.60
66	Qaurtz vein.	23-24	12"		8.40
83	Sediment.	25'6-27	18"		3.15
84	Sediment.	27-29	24"		4.55
85	Ditto.	29-31	24"		2.45
86	Ditto.	31-33	24"		0.70
87	Ditto.	33-34'6	18"		nil
88	Ditto.	35-37	24"		3.50
89	Ditto.	37-38'8	20"		nil
90	Silicious sediment.	38'8-39'6	10"		nil
91	Silicious sediment.	40-40'6	6"		0.70
92	Sediment lighter green	41-43	24"		0.70
93	Silicious sediment.	43-43'8	8"		1.75
94	Sediment grey and dark.	43'8-45	16"		10.8
95	Ditto.	45-46	12"		4.90
96	Sediment. dark and green	46-48	24"		0.35
97	Ditto.	48-49'10	22"		1.05
98	Amphibole garnetiferous.	50'4-52	20"		0.35
99	Dyke.	49'10-50'4	6"		nil
32400	Amphibole garnetiferous.	52-54	24"		0.35
32531	Amphibole garnetiferous.	54-54'6	6"		0.70
32	Amphibole.	56-58	24"		nil
33	Ditto.	58-60	24"		nil
34	Ditto.	60-62	24"		nil
35	Ditto.	62-63'6	24"		nil

0-5 Casing.

5-38'8 Sediment. Medium grained light grey with abundant quartz inclusions some mineralization along shear planes also some evidence of cross-bedding.
7'5-8'3 Dyke quartz diorite with abundant disseminated mineralization (pyrite and pyrrhotite) fine grained.
8'9-11 Ground.
20'-21' Ground.
22'3-23' Ground.
23'-24' Quartz vein.
24'-25'6 Ground.

38'8-40'6 Sediment light silicious fine grained.
39'6-40' ground.
40'6-41 Ground

40'6-43 Sediment light grey fine grained with abundant mineralization finely

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

HASAGA

Koval-Chman Option.

Hole No. D.D. E-26 Logged by R. [illegible]

Place Surface Location 4239.4N 5605.1E Direction N22W Date July 23/54

Elevation 5001.8

Dip: 0' -30°

Sample No.	Description	Footage	Width	Assay Oz. Value
32357	Sediment.	5-7'6	30"	nil
58	Dyke.	7'5-8'3	10"	nil
59	Sediment.	8'3-8'9	6"	nil
60	Sediment.	11-13	24"	nil
61	Sediment.	13-15	24"	1.05
62	Sediment.	15-17	24"	0.70
63	Sediment.	17-19	24"	nil
64	Sediment.	19-20	12"	nil
65	Sediment.	21-22'3	15"	5.60
66	Quartz vein.	23-24	12"	8.40
83	Sediment.	25'6-27	18"	3.15
84	Sediment.	27-29	24"	4.55
85	Ditto.	29-31	24"	2.45
86	Ditto.	31-33	24"	0.70
87	Ditto.	33-34'6	18"	nil
88	Ditto.	35-37	24"	3.50
89	Ditto.	37-38'8	20"	nil
90	Silicious sediment.	38'8-39'6	10"	nil
91	Silicious sediment.	40-40'6	6"	0.70
92	Sediment lighter green.	41-43	24"	0.70
93	Silicious sediment.	43-43'8	8"	1.75
94	Sediment grey and dark.	43'8-45	16"	10.85
95	Ditto.	45-46	12"	4/90
96	Sediment. dark and green.	46-48	24"	0.35
97	Ditto.	48-49'10	22"	1.05
98	Amphibole garnetiferous.	50'4-52	20"	0.35
99	Dyke.	49'10-50'4	6"	nil
32400	Amphibole garnetiferous.	52-54	24"	0.35
32531	Amphibole garnetiferous.	54-54'6	6"	0.70
32	Amphibole.	56-58	24"	nil
33	Ditto.	58-60	24"	nil
34	Ditto.	60-62	24"	nil
35	Ditto.	62-63'6	24"	nil

0-5 Casing.

5-38'8 Sediment. Medium grained light grey with abundant quartz inclusions some mineralization along shearplanes also some evidence of cross-bedding.
7'5-8'3 Dyke quartz diorite with abundant disseminated mineralization (pyrite and pyrrhotite) fine grained.
8'9-11 Ground.
20'-21' Ground.
22'3-23' Ground.
23'-24' Quartz vein.
23'-25'6 Ground.

38'8-40'6 Sediment light silicious fine grained.
39'6-40' Ground.
40'6-41 Ground.

40'6-43 Sediment light grey fine grained with abundant mineralization finely

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. E-26 Page 2

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
	disseminated (pyrite).				
43-43'8	Sediment light silicious fine grained.				
43'8-46	Sediment grey and dark medium grained banded with much evidence of shearing and abundant mineralization. (pyrite) Last few inches blue quartz coming in.				
46-49'10	Sediment dark and green medium grained with abundant garnets. Green amphibolitic bands don't contain the garnets. In places massive pyrite showing good striated cubes & some pyrhodedrondal.				
49'10-50'4	Dyke medium grained quartz diorite with abundant pyrite and pyrrhoti				
50'4-58'	Amphibolite coarse grained green with garnets some pyrite and pyrrhotite very fine grained. 54'6-56 Ground.				
58-65	Sediment dark with cherty bands also some massive 1" chlorite bands.				
	End of hole 65'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. .E-26 Page 2.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	disseminated (pyrite).				
43-43'8	Sediment light silicious fine grained.				
43'8-46	Sediment grey and dark medium grained banded with much evidence of shearing and abundant mineralization. (pyrite) Last few inches blue quartz coming in.				
46-49'10	Sediment dark and green medium grained with abundant garnets. Green amphibolitic bands don't contain the garnets. In places massive pyrite showing good striated xxxxxxx cubes & some pyrhodedrondal.				
9'10-50'4	Dyke medium grained quartz diorite with abundant pyrite and pyrrhotite				
50'4-58'	Amphibolite coarse grained green with garnets some pyrite and pyrrhotite very fine grained.				
	54'6-56 Ground.				
58-65	Sediment dark with cherty bands also some massive 1" chlorite bands.				
	End of hole 65'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hasaga

Koval-Ohman Option

Hole No. D.D E-33.... Logged by R.D.M.

Place ..Surface. Location 4610.2 N 7141.6 E. Direction ..N23.W... Date Aug.25/54

Elevation 4993.3

0' -65 200' -60° 400' -50 640' -42

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
31963	Slaty silicious sediment.	65-67	24"		nil
64	Ditto	67-69	24"		nil
65	Ditto	69-71	24"		nil
66	Ditto	71-73	24"		nil
67	Ditto	73-75	24"		nil
68	Ditto	75-77	24"		nil
69	Tuff massive quartz veins.	100-102	24"		nil
70	Silicious sheared.	109'6-111	18"		0.70
71	Garnet.	114-116	24"		nil
72	Quartz vein.	117-118'1	13"		nil
73	Sediment.	121-123	24"		nil
74	Ditto	123-125	24"		nil
75	Garnet.	130-131'3	15"		nil
76	Sediment.	195-197	24"		nil
77	Ditto	197-199	24"		nil
78	Ditto	199-200	12"		nil
32029	Slight silicious and brecciation.	259'6-262	30"		1.75
31979	Silicious sediment.	262-264	24"		11.20
80	Ditto	264-265	12"		5.60
32030	Dark breccia sediment.	265-267	24"		1.05
31	Blue quartz veining.	290-292	24"		2.45
32	Ditto	292-294	24"		3.15
33	Ditto	294-296	24"		0.70
34	Ditto	296-298	24"		4.90
31981	Sediment with blue quartz veining.	298-300	24"		3.85
32035	Sediment rhyolite.	300-302½	30"		14.70
36	Ditto	302½-305	30"		2.80
37	Ditto	305-307½	30"		2.10
38	Ditto	307½-310	30"		2.10
39	Ditto	310-312½	30"		3.50
40	Ditto	312½-315	30"		6.65
41	Ditto	315-317½	30"		2.10
42	Ditto	317½-320	30"		0.70
43	Ditto	320-322	24"		2.45
31982	Silicious rhyolite.	322-324	24"		7.00
32044	Silicious rhyolite.	324-326	24"		6.65
45	Ditto	326-328	24"		3.50
46	Ditto	328-330	24"		0.35
47	Ditto	330-332	24"		3.50
48	Ditto	332-334	24"		7.35
49	Ditto	334-336'8	32"		4.20
50	Grey sediment.	336'8-338	16"		nil
31983	Silicious slate.	435-437	24"		nil
84	Ditto	437-439	24"		nil
85	Ditto	439-441	24"		nil
32025	Dark grey silicious sediment.	445-447	24"		nil
26	Silicious zone of brecciation.	447-448	12"		33.60
31986	Breccia.	448-450	24"		6.30
87	Ditto	450-452	24"		11.90

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option.

Hole No. D.D. E-33 Page 2. Logged by R.D.M.

Place ..... Location ..... Direction ..... Date Aug. 25/54.

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
31988	Ditto	452-453	12"		2.10
32027	Brecciated zone and quartz stringers. Rhyolite?	453-455	24"		0.70
28	Brecciated rhyolite?	455-457	24"		nil
31989	Sediment brecciated.	522-524	24"		nil
90	Silicious zone.	593-595	24"		1.40
91	Ditto	595-597	24"		0.70
92	Ditto	597-599'6	30"		nil
93	Silicious.	601-603	24"		1.05
94	Ditto	603-605	24"		nil
95	Ditto	605-607	24"		2.45
96	Ditto	607-609	24"		0.35
97	Ditto	609-611	24"		2.80
98	Ditto	612'6-614	18"		nil
99	Ditto	614-616	24"		nil
32000	Ditto	616-618	24"		nil
06	Ditto	618-620	24"		nil
07	Ditto	620-622	24"		4.20
22	Dark grey sediment.	622-624	24"		0.35
23	Ditto	624-626	24"		nil
24	Ditto	626-628	24"		nil

0 - 10	Casing.
10 - 12	Coarse grained green amphibolitic much evidence of shearing. but all on a minor scale. Shearplanes form channel ways for very small quartz veinlets.
12 - 59	Tuff fine grained green banded with a few quartz veinlets. Some carbonate bands very minor. No mineralization. 48'4-50 Well sheared with blue quartz stringes up to ¼" wide also some coarse grained amphibole with blobs of pyrrhotite.
59 - 65	Tuff fine grained green as before with massive mineralization bands (pyrrhotite).
65 - 77	Slate very fine grained dark with much evidence of shearing. Carbonate stringers and thin massive sheets of pyrrhotite. make up the mineralization.
77 - 113	Tuff fine grained green banded with small numerous bands of pyrrhotite. 92-93 Fine grained brown silicious. 98-102'4 Quartz veining becoming very pronounced. 109'6-111 Light and brown banded silicious abundent shearing.
113 - 121	Garnetiferous abundent reddgarnets up to ½" 117-118'1 Quartz vein with abundent garnets and some country rock inclusions.
121 - 140	Sediment? Tuff? Green and dark banded fine grained with quartz stringers throughout. Well mineralized pyrite and pyrrhotite, also some mica (muscovite and biotite) associated with quartz veins of small dimensions.

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. E-33 Page 3

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
	130-131'3 Massive concentrarion of garnets some fairly large.				
	136-140 Green banding becoming very obscure.				
140-165	Sediment grey and light banded with quartz veinlet throughout. Bedding evident because of ebiitical quartz grains that are present. Some blue quartz bands (maximum ¼") Small flakes of disseminated biotite and some massive concentraticns of muscovite with come ½" flakes. Minor evidence of shearing.				
165-195	Sediment tuff green and dark banded fine grained fairly well mineralized with pyrrhotite and pyrite.				
	185-190 Garnets small concentrated.				
195-200	Silicious zone fine grained light banded grey appearance with fine disseminated pyrite and pyrrhotite, some blue quartz veins give darker appearance in places.				
200-206	Sediment tuff Green and dark banded fine grained with disseminated garnet in places small and red. Pyrrhotite throughout in fine tabular masses and some blue quartz veins.				
206-300	Sediment. Grey and dark banded fine grained brecciated with good crossbedding. Quartz stringers throught a little chlorite in places. Dark bands contain very small flakes of biotite.				
	262-265 Silicious zone fine frained light brecciated				
	270-280 Pyrrhotite banding pronounced.				
	290-300 Blue quartz becoming more pronounced with some minor pyrite also some small quartz veins with mica(muscovite)				
300-336'8	Silicious rhyolite brecciated and altered with some carbonate.				
336'8-391'10	Sediment light grey and dark banded fine to medium grained with some blue quartz stringers and abundent quartz veinlets and mica (muscovite) associated with them. Som evidence of shearing at irregular intervals very minor. Good evidence of x bedding.				
413-426	Sediment brown fine grained with minute quartz stringers throughout Numerous quartz inclusions around which the bedding formed also some mineralization. (pyrrhotite).				
426-428	Coarse grained green amphibolitic with abundant mineralization in ore sheer zone of about 3" (pyrrhotite and arsenopyrite)				
428-435	Tuff fine grained green and dark banded no visible mineralization.				
435-447'6	Sediment dark fine grained. Slaty silicious with some blue quartz stringers. and some shearing with massive concentration of mica along shearplanes also some carbonate in places.				
447'6-463	Rhyolite? Brecciated with some pyrite and pyrrhotite.				
463-470	Brecciated rhyolite with green and dark sediment. Tuff?				
470-560	Sediment Tuff. Green and dark fine grained with abundent pyrrhotite.				
	481-482 chlorite.				
	491-492 Dyke quartz diorite medium grained with some coarse amphibol				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. E-33 Page 3.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Value
	130-131'3 Massive concentration of garnets some fairly large. 136-140 Green banding becoming very obscure.				
140 - 165	Sediment grey and light banded with quartz veinlet thrbughout. Bedding evident because of eliptical quartz grains that are present. Some blue quartz bands (maximum ¼") Small flakes of disseminated biotite and some massive concentrations of muscovite with some ½" flakes. Minor evidence of shearing.				
165 - 195	Sediment tuff green and dark banded fine grained fairly well mineralized with pyrrhotite and pyrite. 185-190 Garnets small concentrated.				
195 - 200	Silicious zone fine grained light banded grey appearance with fine disseminated pyrite and pyrrhotite, some blue quartz veins give darker appearance in places.				
200 - 206	Sediment tuff Green and dark banded fine grained with disseminated garnet in places small and red. Pyrrhotite throughout in fine tabular masses and some blue quartz veins.				
206 - 300	Sediment. Grey and dark banded fine grained brecciated with good crossbedding. Quartz stringers throught a little chlorite in places. Dark bands contain very small flakes of biotite. 262-265 Silicious zone fine grained light brecciated. 270-280 Pyrrhotite banding pronounced. 290-300 Blue quartz becomingmpre prounounced with some minor pyrite also some small quartz veins with mica (muscovite)				
300 - 336'8	Silicious rhyolite brecciated and altered with some carbonate.				
336'8 - 391'10	Sediment light grey and dark banded fine to medium grained with some blue quartz stringers and abundent quartz veinlets and mica (muscovite) associated with them. Some evidence of shearing at irregular intervals very minor. Good evidence of x bedding.				
391'10 -413	Sediment. Green and dark banded fine to medium grained with abundent blue quartz veinlets and pyrrhotite sheets.				
413 - 426	Sediment brown fine grained with minute quartz stringers throughout Numerous quartz inclusions around which the bedding formed also some mineralization. (pyrrhotite).				
426 - 428	Coarse grained green amphibolitic with abundant mineralization in ore sheer zone of about 3" (pyrrhotite and arsenopyrite)				
428 - 435	Tuff fine grained green ~~amphibolitic with abundent mineralization~~ and dark banded no visible mineralization.				
435 - 447'6	Sediment dark fine grained. Slaty silicious with some blue quartz stringers. and some shearing with massive concentration of mica along shearplanes also some carbonate in places.				
447'6 - 453	Highly silicious zone of brecciation.				
453- 463	Rhyolite? Brecciated with some pyrite and pyrrhotite.				
463 - 470	Brecciated rhyolite with green and dark sediment. Tuff?				
470 - 560	Sediment Tuff. Green and dark fine grained with abundent pyrrhotite. 481-482 Chlorite. 491-492 Dyke quartz diorite medium grained with some coarse amphibole				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D.E-33 Page 4

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	508-514 Coarse grained with well developed amphibole also some pyrrhotite bands up to ½" wide.				
	522-525'6 Zone of brecciation with massive pyrrhotite and some pyrite.				
	549-553'7 Dyke medium grained quartz diorite cut by quartz vein that is deninatly				
560-591	Sediment dark and light banded with pyrite as before but blue quartz becoming more prominent and green bands very minor.				
591-592'6	Medium grained quartz diorite dyke.				
592'6-611	Rhyolite? light highly silicious brecciated with pyrite and pyrrhotit				
	597'10-598'6 Massive concentration of mica. (muscovite)				
	599'6-601 Partially digested country rock.				
	603-605 Exceptionally well mineralized pyrrhotite.				
611-612'5	Dyke medium grained quartz diorite.				
612'5-622	Sediment dark grey fine grained gughly silicious sheared with some minor brecciation.				
622-628	Sediment grey and dark fine grained banded with fair amount of shearing and a few blue quartz veinlets in last foot or so.				
628-651	Sediment green and dark banded with abundent pyrrhotite fine grained with good x bedding blue quartz veinlets common throughout very little shearing.				
	641-642 Medium grained quartz diorite dyke.				
651-652	Garnetiferous.				
	END OF HOLE 652				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
H.S.G.
Koval-Ohman Option

Hole No. D.D. E-33 Page 4.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	508-514 Coarse grained with well developed amphibole also some pyrrhotite bands up to ½" wide.				
	522-525'5 Zone of brecciation with massive pyrrhotite and some pyrite.				
	549-553'7 Dyke medium grained quartz diorite cut by quartz vein that is ~~dyke later~~ DEFINITELY				
560 - 591	Sediment dark and light banded with pyrite as before but blue quartz becoming more prominent and green bands very minor.				
591 - 592'6	Medium grained quartz diorite dyke.				
592'6 - 611	Rhyolite? light highly silicious brecciated with pyrite and pyrrhot 597'10-598'6 Massive concentration of mica. (muscovite) 599'6-601 Partially digested country rock. 603-605 Exceptionally well mineralized pyrrhotite.				
611 - 612'5	Dyke medium grained quartz diorite.				
612'5 - 622	Sediment dark grey fine grained hughly silicious sheared with some minor brecciation.				
622 - 628	Sediment grey and dark fine grained banded with fair amount of shearing and a few blue quartz veinlets in last foot or so.				
628 - 651	Sediment Green and dark banded with abundent pyrrhotite fine grained with good x bedding blue quartz veinlets common throughout very little shearing. 641-642 Medium grained quartz diorite dyke.				
651 - 652	Garnetiferous.				
	End of hole 652.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
Hasaga
Koval-Ohman Option

Hole No. D.D. E-34 .....

Place . Surface... Location. 4556.6N 7051.5E 4997.6 ..... Direction N. 30 W. ..... Logged by. J.C.S. Date .. Sept. 6/54

0' -65 200' -55 400' -45 650' -38

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
32213	Rhyolite? fine grained. Silicious Little pyrite. Fractured.	100-102	24"		nil
14	Rhyolite? Shows faint banding or bedding. Little pyrrhotite.	105-107	24"		nil
15	Dark and green banded. Good pyrrhotite mineralization.	113-114'9"	21"		nil
16	Dark silicified - faint banding. Good pyrrhotite	114'9-117	27"		nil
17	Fracture zone with white quartz veins	233-235	24"		nil
32209	Altered grey quartz diorite.	243'9-244'7	10"		nil
10	Contorted sediment. Silicified	244'7-246'3	20"		nil
11	Fractured silicified grey sediment. INtruded by grey rhyolite. Pyrrhotite mineralization.	246'3-248	21"		2.10
12	Fractured sediment with considerable white quartz.	248-250	24"		nil
18	Fractured silicified sediment (rhyolite?) Quartz veining.	250-252	24"		1.40
19	Ditto with more quartz. Fair pyrrhotite and arsenopyrite	252-254	24"		nil
20	Ditto	254-255	12"		nil
21	50% rock fragments with good arsenopyrite mineralization.	255-256½	18"		nil
22	80% white quartz. Good arsenopyrite (coarse)	256½-258½	24"		nil
23	70% white quartz. Good coarse arsenopyrite.	258½-260½	24"		nil
24	White quartz. Little arsenopyrite.	260½-262	18"		nil
25	White quartz with rock fragments. Fair arsenopyrite.	262-264'9	33'		nil
26	Fractured rhyolite	264'9-267	27"		nil
27	Ditto with 4" quartz vein and arsenopyrite.	267-269½	30"		0.70
28	Good arsenopyrite in silicified rhyolite.	269½-271½	24"		nil
29	Fractured rhyolite	271½-274	30"		6.65
30	Ditto	274-276½	30"		1.40
31	Ditto more quartz veining	276½-279	30"		3.50
32	Considerable quartz. fair to good mineralization.	279-281½	30"		1.75
33	Fractured rhyolite with quartz stringers	281½-284	30"		0.70
34	As 32232	284-285	12"		nil
35	Fractured rhyolite	285-287½	30"		nil
36	Ditto	287½-290	30"		nil
37	Ditto with quartz vein	290-292½	30"		nil
38	Rhyolite fine mineralization	292½-295	30"		2.10
39	Silicified rhyolite	295-297½	30"		1.40

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

H.E.C.A.

Koval-Ohman Option.

Hole No. D.D. E-34 ..... Logged by J.C.S.

Place ...Surface Location 4556.6 N / 7051.5 E / 4997.6 Direction N 30 W ... Date Sept. 4/54

0' -65 200' -55 400' -45 650' -38

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
32213	Rhyolite? Fine grained. Siliceous Little pyrite. Fractured.	100-102	24"		nil
14	Rhyolite? Shows faint banding or bedding. Little pyrrhotite.	105-107	24"		nil
15	Dark and green banded. Good pyrrhotite mineralization.	113-114'9"	21"		nil
16	Dark silicified - faint banding. Good pyrrhotite.	114'9-117	27"		nil
17	Fracture zonewith white quartz veins	233-235	24"		nil
32209	Altered grey quartz diorite.	243'9-244'7	10"		nil
10	Contorted sediment. Silicified	244'7-246'3	20"		nil
11	Fractured silicified grey sediment. Intruded by grey rhyolite. Pyrrhotite mineralization.	246'3-248	21"		2.10
12	Fractured sediment with considerable white quartz.	248-250	24"		nil
18	Fractured silicified sediment (rhyolite?) Quartz veining.	250-252	24"		1.40
19	Ditto with more quartz. Fair pyrrhotite and arsenopyrite	252-254	24"		nil
20	Ditto	254-255	12"		nil
21	50% rock fragments with good arsenopyrite mineralization.	255-256½	18"		nil
22	80% white quartz. Good arsenopyrite (coarse)	256½-258½	24"		nil
23	70% white quartz. Good coarse arsenopyrite.	258½-260½	24"		nil
24	White quartz. Little arsenopyrite.	260½-262	18"		nil
25	White quartz with rock fragments. Fair arsenopyrite.	262-264'9	33"		nil
26	Fractured rhyolite	264'9-267	27"		nil
27	Ditto with 4" quartz vein and arsenopyrite.	267-269½	30"		0.70
28	Good arsenopyrite in silicified rhyolite.	269½-271½	24"		nil
29	Fractured rhyolite.	271½-274	30"		6.65
30	Ditto	274-276½	30"		1.40
31	Ditto more quartz veining	276½-279	30"		3.50
32	Considerable quartz. fair to good mineralization.	279-281½	30"		1.75
33	Fractured rhyolite with quartz stringers.	281½-284	30"		0.70
34	As 32232	284-285	12"		nil
35	Fractured rhyolite	285-287½	30"		nil
36	Ditto	287½-290	30"		nil
37	Ditto with quartz vein	290-292½	30"		nil
38	Rhyolite fine mineralization	292½-295	30"		2.10
39	Silicified rhyolite	295-297½	30"		1.40
40					

PICKLE CROW GOLD MINES LTD

DIAMOND DRILL REPORT
Hasaga
Koval-Ohman Option

Hole No. D.D. E-34 Page 2 Logged by

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
32240	Ditto	297½-300	30"		1.05
41	Rhyolite	300-302½	30"		0.70
42	Ditto	302½-305	30"		nil
43	Ditto	305-307½	30"		nil
44	Ditto greyer	307½-310	30"		nil
45	Grey rhyolite with fine to corase arsenopyrite.	310-312	24"		nil
46	Grey rhyolite with 1" white quartz	312-314½	30"		nil
47	Grey rhyolite with narrow blue quartz stringers.	314½-317	30"		0.70
48	Grey rhyolite with blue quartz stringers and ½" white quartz vein. Good arsenopyrite near vein.	317-319	24"		nil
49	Considerable white quartz veining-	319-321'6	30"		nil
50	More massive rhyolite.	321½-324	30"		nil
51	Ditto	324-326½	30"		nil
52	Ditto	326½-329	30"		nil
53	Ditto	329-331	24"		nil
54	Better brecciation. ½" quartz vein.	331-333	24"		1.05
55	Ditto	333-335	24"		nil
56	Ditto	335-337	24"		nil
57	More massive rhyolite	337-339½	30"		nil
58	Ditto	339½-342	30"		nil
59	Better fracturing and fair anseno-pyrite.	342-344	24"		nil
60	Fractured grey rhyolite with muscovite.	360-362	24"		nil
61	Ditto	362-364½	30"		nil
62	Grey rhyolite well fractured with quartz veins. Little arsenopyrite.	372½-375	30"		nil
63	Ditto- not so well mineralized.	375-377½	30"		nil
64	Fractured brown sediment quartz stringers and arsenopyrite. mineraliz-ation.	383-384	12"		nil
98	Silicified zone.	429-431½	30"		nil
99	Ditto	431½-434	30"		nil
32300	Ditto	434-436½	30"		nil
01	Silicified sediment.	436½-439	30"		1.05
02	Ditto	439-441½	30"		nil
03	Ditto Better fracturing.	441½-444	30"		nil
04	Ditto	444-446½	30"		1.05
05	Ditto	446½-449	30"		nil
06	Dark bluish grey with bluish quartz stringers. Little pyrrhotite	488-490½	30"		0.70
07	Less silicification, green bands more prominent. Speck arsenopyrite.	490½-493	30"		nil
08	Green and brown bands with pyrrhotite	518½-520	18"		nil
09	Well fractured and mineralized with				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

HASAGA

Koval-Ohman Option

Hole No. D.D. E-34 Page 2. Logged by

Place ..... Location ..... Direction ..... Date Sept. 4, 1954

Sample No.	Description	Footage	Width	Assay Oz.	Value
32240	Ditto	297½-300	30"		1.05
41	Rhyolite	300-302½	30"		0.70
42	Ditto	302½-305	30"		nil
43	Ditto	305-307½	30"		nil
44	Ditto greyer	307½-310	30"		nil
45	Grey rhyolite with fine to coarse arsenopyrite.	310-312	24"		nil
46	Grey rhyolite with 1" white quartz.	312-314½	30"		nil
47	Grey rhyolite with narrow blue quartz stringers.	314½-317	30"		0.70
48	Grey rhyolite with blue quartz stringers and½ " white quartz vein. Good arsenopyrite near vein.	317-319	24"		nil
49	Consider ble white quartz veining.	319-321'6	30"		nil
50	More massive rhyolite.	321½-324	30"		nil
51	Ditto	324-326½	30"		nil
52	Ditto	326½-329	30"		nil
53	Ditto	329-331	24"		nil
54	Better brecciation. ½" quartz vein.	331-333	24"		1.05
55	Ditto	333-335	24"		nil
56	Ditto	335-337	24"		nil
57	More massive rhyolite	337-339½	30"		nil
58	Ditto	339½-342	30"		nil
59	Better fracturing and fair arsenopyrite.	342-344	24"		nil
60	Fractured grey rhyolite with muscovite.	360-362	24"		nil
61	Ditto	362-364½	30"		nil
62	Grey rhyolite well fractured with quartz veins. Little arsenopyrite.	372½-375	30"		nil
63	Ditto - not so well mineralized.	375-377½	30"		nil
64	Fractured brown sediment quartz stringers and arsenopyrite.mineralization.	383-384	12"		nil
98	Silicified zone.	429-431½	30"		nil
99	Ditto	431½-434	30"		nil
32300	Ditto	434-436½	30"		nil
01	Silicified ediment.	436½-439	30"		1.05
02	Ditto	439-441½	30"		nil
03	Ditto Better fracturing.	441½-444	30"		nil
04	Ditto	444-446½	30"		1.05
05	Ditto	446½-449	30"		nil
06	Dark bluish grey with bluish quartz stingers. Little pyrrhotite.	488-490½	30"		0.70
07	Less silicification, green bands more prominent. Speck arsenopyrite.	490½-493	30"		nil
08	Green and brown bandd with pyrrhotite	518½-520	18"		nil
09	Well fracturd and mineralized with				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
Hasaga
Koval-Ohman Option

Logged by; J.C.S.

Hole No. D.D. E-34 Page 3

Place ..... Location ..... Direction ..... Date Sept.6/54

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33009	cont'd pyrite. Blue quartz stringers	520-522	24"		nil
10	Ditto	522-524½	30"		nil
11	Quartz veining tourmaline and good coarse arsenopyrite.	576'6-577	6"		nil
12	Quartz diorite with small mineralized fracture.	577-578	12"		nil
13	Contact zone-considerable bluish quartz; tourmaline and arsenopyrite.	578-579'4	16"		1.75
14	Brown sediment - small fracture with arsenopyrite.	603½-604½	12"		nil
0-7	Casing				
7-81	Tuff green fine to coarse grained. Occasional quartz stringers.				
81-92	Tuff (sediment?) green and brown bands. Occasional quartz stringers.				
92-107	Blue green massive fine grained. Little pyrrhotite mineralization. Rhyolite? Fractured near 100'. Near end of section shows faint banding or bedding.				
107-114'9	Tuff? Dark green banded. Well mineralized with pyrrhotite and pyrite. Occasional quartz stringers.				
114'9-117	Rhyolite? Dark brown grey fine grained. silicified faint banding Good pyrrhotite mineralization. Some green band.				
117-131'6	Green and dark banded tuff. Some sections uniform greenish fine grained. Fair pyrrhotite mineralization. 119-120 Considerable white quartz stringers and silicification.				
131'6-133'6	Light greenish very silicious rhyolite cut by bluish quartz vein at 132' with considerable pyrite.				
133'6-145'6	Tuff as 117-131 in general				
145'6-150'3	Garnetiferous green and dark banded with bluish quartz stringers. and blebs.				
150'3-173	Grey to dark almost black fine grained sediment. Generally silicious but not uniformly so. Some minor green bands near end section. 1" quartz stringer at 166-and 167½				
173-178	Green and brown banded silicified sediment. Garnets becoming prominent by 175' Little pyrrhotite mineralization.				
178-183	Garnetiferous green and brown banded Silicified.				
183-187	Green and brown banded silicified sediment.				
187-189	Green and brown garnetiferous band.				
189-192'6	Dark vary silicious band. Banding good near middle of section but poor at ends. 1" bluish quartz stringer at 192' with considerable pyrite.				
192'6-199'10	Green and brown to dark banded rock with occasional coarse garnets.				
199'10-203	Fractured dark sediment with bluish quartz stringers. Some minor greenish bands. Little pyrrhotite.				
203-204½	Ground.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
MEAGA
Koval-Ohman Option

Hole No. D.D. E-34 Page 8. Logged by J.C.B.

Place ..... Location ..... Direction ..... Date Sept. 6/54

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33009	cont'd pyrite. Blue quartz stringers.	520-522	24"		nil
10	Ditto	522-524½	30"		nil
11	Quartz veining tourmaline and good coarse arsenopyrite.	576-577	6"		nil
12	Quartz diorite with small mineralized fracture.	577-578	12"		nil
13	Contact zone - considerable bluish quartz, tourmaline and arsenopyrite.	578-579'4	16"		1.75
14	Brown sediment - small fracture with arsenopyrite.	603½-604½	12"		nil
0 - 7	Casing				
7 - 81	Tuff green fine to coarse grained. Occasional quartz stringers.				
81 - 92	Tuff (sediment?) green and brown bands. Occasional quartz stringers.				
92 - 107	Blue green massive fine grained. Little pyrrhotite mineralization. Rhyolite? Fractured near 100'. Near end of section shows faint banding or bedding.				
107 - 114'9	Tuff? Dark green banded. Well mineralized with pyrrhotite and pyrite. Occasional quartz stringers.				
114'9 - 117	Rhyolite? Dark brown grey fine grained. silicified - faint banding Good pyrrhotite mineralization. Some green bands.				
117 - 131'6	Green and dark banded tuff. Some sections uniform greenish fine grained. Fair pyrrhotite mineralization. 119-120 Considerable white quartz stringers and silicification.				
131'6 - 133'6	Light greenish very silicious rhyolite cut by bluish quartz vein at 132' with considerable pyrite.				
133'6 - 145'6	Tuff as 117-131 in general.				
145'6 - 150'3	Garnetiferous green and dark banded with bluish quartz stringers. and blebs.				
150'3 - 173	Grey to dark almost black fine grained sediment. Generally silicious but not uniformly so. Some minor green bands near end of section. 1" quartz stringer at 166 and 167½				
173 - 178	Green and brown banded silicified sediment? Garnets becoming prominent by 175'. Little pyrrhotite mineralization.				
178 - 183	Garnetiferous green and brown banded. Silicified.				
183 - 187	Green and brown banded silicified sediment.				
187 - 189	Green and brown garnetiferous band.				
189 - 192'6	Dark very silicious band. Banding good near middle of section but poor at ends. 1" bluish quartz stringer at 192' with considerable pyrite.				
192'6 - 199'10	Green and brown to dark banded rock with occasional coarse garnets.				
199'10 - 203	Fractured dark sediment with bluish quartz stringers. Some minor greenish bands. Little pyrrhotite.				
203 - 204½	Ground.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
Hasaga
Koval-Ohman Option

Hole No. D.D. .E-34.. Page 4 Logged by J.C.S.

Place ..... Location. ..... Direction ..... Date Sept. 6/54 .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
204½-227½	Green and brown to grey banded sediment. Lenticular banding (x bedding) Occasional quartz stringers. 212-213 Ground 215'9-216'6 Ground 224'6-225 Quartz intruded fracture zone. Little pyrrhotite.				
227½-233	Dark and green banded sediment with occasional quartz stringers. 2" fracture rock with white quartz vein at 231.				
233-235	Fractured zone with white quartz vein.				
235-243'9	Grey sediment with occasional greenish band. Some fracturing with white quartz stringers. Some pyrrhotite mineralization				
243'9-244'7	Grey granular rock with blue to white quartz blebs. Possibly altered quartz diorite. dyke.				
244'7-246'3	Contorted grey sediment. Fractured with quartz stringers.				
246'3-246'6	Mainly white quartz vein. Walls very irregular. Fragments of wall rock in quartz. Intruded by grey rhyolite.				
246'6-255	Fractured silicified sediment with considerable quartz veining.				
255-264'9	Breccia zone 75% white quartz filling. Rock fragments and in one case a fracture in white quartz, are well mineralized with coarse arsenopyrite. At 257½ small fractures in quartz with scheelite filling.				
264'9-292	Silicious rhyolite generally well fractured with quartz stringers and veins. Good arsenopyrite in sections of best fracturing. 267½-4" quartz and rock fragments with arsenopyrit mineralization. 270-271½ Quartz veining and silicification with good arsenopyrite mineralization. 279-281½ well fractured with considerable quartz. Fair pyrrhotite and arsenopyrite. 284-285 as 279-281½ 291½- 4" quartz veining with fair arsenopyrite mineralizatin.				
292-300	More massive rhyolite with some silicification and fine arsenopyrite mineralization.				
300-350	Lightly brecciated rhyolite with some blue quartz stringers and a number of white quartz veins. particularily in the section. 318-321'6 Arsenopyrite mineralization particularly noticible from 310-312 Muscovite associated with fractures and quartz veins. Rhyolite darker in color in last of 15' of section.				
350-380'3	Rhyolite grey to dark with occasional quartz stringers and small veins. Fracturing stronger from 371-378. Muscovite associated with fractures especially from 360-365' (possibly silicified greywacke)				
380'3-382'6	Silicified grey sediment with bluish quartz stringers.				
382'6-396	Brown sediment with bluish quartz spots and stringers. Some pyrrhotit 383½ - ½" white quartz stringer. Little arsenopyrite in vicinity of fractures.				
396-408	Green and dark banded sediment with bluish quartz stringers.				
408-429	Dark grey sediment with occasional quartz stringers.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

H.S.&A.

Koval-Ohman Option

Hole No. D.D. 4-34. Page 4. Logged by J.C.S.

Place ..... Location ..... Direction ..... Date Sept. 6 1954

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
204½ - 227½	Green and brown to grey banded sediment. Lenticular banding (? bedding) Occasional quartz stringers. 212 - 213 Ground 213'9-216'6 Ground 224'6-225 Quartz intruded fracture zone. Little pyrrhotite.				
227½ - 233	Dark and green banded sediment with occasional quartz stringers. 2" fracture rock with white quartz vein at 231'				
233 - 235	Fractured zone with white quartz vein.				
235 - 243'9	Grey sediment with occasional greenish band. Some ~~sediment~~ fracturing with white quartz stringers. Some pyrrhotite mineralizat:				
243'9 - 244'7	Grey granular rock with blue to white quartz blebs. Possibly altered quartz diorite dyke.				
244'7 - 246'3	Contorted grey sediment. Fractured with quartz stringers.				
246'3 - 246'6	Mainly white quartz vein. Walls very irregular. Fragments of wall rock in quartz. Intruded by grey rhyolite.				
246'6 - 255	Fractured silicified sediment with considerable quartz veining.				
255 - 264'9	Breccia zone 75% white quartz filling. Rock fragments and in one case a fracture in white quartz, are well mineralized with coarse arsenopyrite. At 257½ small fractures in quartz with scheelite filling.				
264'9 - 292	Siliceous rhyolite generally well fractured with quartz stringers and veins. Good arsenopyrite in sections of best fracturing. 267½ - 4" quartz and rock fragments with arsenopyrite mineralizatior 270-271½ Quartz veining and silicification with good arsenopyrite mineralization. 279-281½ Well fractured with considerable quartz. Fair pyrrhotite and arsenopyrite. 283-285 as 279-281½ 291½ - 4" quartz veining with fair arsenopyrite mineralization.				
292 - 300	More massive rhyolite with some silicification and fine arsenopyrite mineralization.				
300 - 350	Lightly brecciated rhyolite with some blue quartz stringers and a number of white quartz veins. particularly in the sction. 318-321'6 Arsenopyrite mineralization particularly noticible from 310-312' Muscovite associated with fractures and quartz veins. Rhyolite darker in color in last of 15' of section.				
350 - 380'3	Rhyolite grey to dark with occasional quartz stringers and small veins. Fracturing stronger from 371-378. Muscovite associated with fractures especially from 360-365' (possibly silicified greywacke)				
380'3 - 382'6	Silicified grey sediment with bluish quartz stringers.				
382'6 - 396	Brown sediment with bluish quartz spots and stringers. Some pyrrhotit 383½ - ½" white quartz stringer. Little arsenopyrite in vicinity of fractures.				
396 - 408	Green and dark banded sediment with bluish quartz stringers.				
408 - 429	Dark grey sediment with occasional quartz stringers.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
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Koval-Ohman Option

Logged by J.C.S.

Hole No. D.D. E-34....

Place..... Location..... Direction..... Date Sept. 6/5

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
429-449	Silicified zone with speck pyrite and little pyrrhotite Light to dark grey in color with a few quartz stringers. Greenish bands becoming prominent in last 3 feet of section.				
449-456	Slightly silicified grey sediment with minor green banding. Slight fracturing and few quartz stringers.				
456-460'7	Brown and green banded sediment.				
460'7-462'9	Quartz diorite dyke.				
462'9-477	Brown and green banded sediment. Little shearing in occasional bluish quartz stringers.				
477-488	Predominently green with brown bands- amphibolite (tuff?)				
488-493	Dark bluish grey - slightly silicified with bluish quartz stringers Little pyrrhotite mineralization and occasional arsenopyrite.				
493-300'3	Green and minor brown banded.				
500'3-502'6	Dyke Quartz diorite.				
502'6-512	Green massive generally even textured medium grained greenstone Few very minor brown bands at start of section.				
512-518'6	Green and minor brown banded with occasional bluish quartz stringers				
518'6-524'6	Green and brown banded fairly regular in first foot of section. becoming very strongly fractured with occasional blue quartz stringers and heavy pyrrhotite mineralization.				
524'6-546'6	Green coarsly amphibolitic. Occasional garnet at start of section. Becoming much finer grained to almost even textured greenstone in last 8 feet.				
546'6-553	Green and dark banded sheared rock.				
553-574	Green amphibolitic rock with occasional brown bands at start. From 557' numerous bluish quartz stringers. Bluish tint to rock from 567'				
574-576'9	Brown and green irregularily banded.				
576'9-579'4	Quartz diorite dyke showing considerable fracturing at contacts with bluish quartz and tourmaline with good arsenopyrite mineralization. Small fracture in middle of dyke shows bluish quartz, tourmaline and arsenopyrite. Arsenopyrite coarse crystaline. Little pyrrhotite and chalcopyrite in dyke rock.				
579'4-593	Green and dark banded slightly sheared rock. Occasional quartz stringers. Little pyrrhotite. 584-587 Ground.				
593-605	Brown and minor green banded with occasional bluish quartz stringers 599-601 Light chirty band. 604 Small fracture with arsenopyrite.				
605-623	Brown and dark banded sediment with bluish qaurtz stringers. A few narrow chirtv bands.				
623-638	Green and dark banded sediment 2" quartz stringers at 632.				
638-652	Green and brown banded with occasional quartz stringers.				
652-653	Dyke				
	END OF HOLE 653'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

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Koval-Ohman Option

Hole No. D.D. S-34 Page 5. Logged by J.C.S.

Place ..... Location ..... Direction ..... Date Sept. 6 1954

Sample No.	Description	Footage	Width	Assay Oz.	Value
429 - 449	Silicified zone with speck pyrite and little pyrrhotite. Light to dark grey in color with a few quartz stringers. Greenish bands becoming prominent in last 3 feet of section.				
449 - 456	Slightly silicified grey sediment with minor green banding. Slight fracturing and few quartz stringers.				
456 - 460'7	Brown and green banded sediment.				
460'7 - 462'9	Quartz diorite dyke.				
462'9 - 477	Brown and green banded sediment. Little shearing in occasional bluish quartz stringers.				
477 - 488	Predominently green with brown bands - amphibolite (tuff?)				
488 - 493	Dark bluish grey - slightly silicified with bluish quartz stringers Little pyrrhotite mineralization and occasional arsenopyrite.				
493 - 500'3	Green and minor brown banded.				
500'3 - 502'6	Dyke Quartz diorite.				
502'6 - 512	Green massive generally even textured medium grained greenstone Few very minor brown bands at start of section.				
512 - 518'6	Green and minor brown banded with occasional bluish quartz stringers				
518'6 - 524'6	Green and brown banded fairly regular in first foot of section becoming very strongly fractured with occasional blue quartz stringers and heavy pyrrhotite mineralization.				
524'6 - 546'6	Green coarsly amphibolitic. Occasional garnet at start of section. Becoming much finer grained to almost even textured greenstone in last 8 feet.				
546'6 - 553	Green and dark banded sheared rock.				
553 - 574	Green amphibolitic rock with occasional brown bands at start. From 557' numerous bluish quartz stringers. Bluish tint to rock from 567				
574 - 576'9	Brown and green irregularily banded.				
576'9 - 579'4	Quartz diorite dyke showing considerable fracturing at contacts with bluish quartz and tourmaline with good arsenopyrite mineralization. Small fracture in middle of dyke shown bluish quartz, tourmaline and arsenopyrite. Arsenopyrite coarse crystaline. Little pyrrhotite and chalcopyrite in dyke rock.				
579'4 - 593	Green and dark banded slightly sheared rock. Occasional quartz stringers. Little pyrrhotite. 584-587 Ground.				
593 - 605	Brown and minor green banded with occasional bluish quartz stringers. 599-601 Light chirty band. 604 - Small fracture with arsenopyrite.				
605 - 623	Brown and dark banded sediment with bluish quartz stringers. A few narrow chirty bands.				
623 - 638	Green and dark banded sediment 2" quartz stringers at 632.				
638 - 652	Green and brown banded with occasional quartz stringers.				
652 - 653	Dyke				
	End of hole 653'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hasaga

Koval-Ohman Option

Logged by J.C.S.

Hole No. D.D. E-35

Place Surface Location. 4496.1N 6942.3E Direction N 23° W Date

Elevation 5004.9

Dip: 0' -65° 200' -59° 400' -49½° 500' -48°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33086	Highly silicified sediment, mainly blue grey quartz with tourmaline and pyrrhotite.	153'10-156	26"		nil
87	Fractured grey silicified sediment with quartz stringers.	178-180	24"		nil
88	Fractured silicified grey sediment				
with	quartz stringers.	181-182	12"		nil
89	Grey silicified sediment well fractured with white quartz filling and pyrite and pyrrhotite mineralization.	273½-274½	12"		1.05
90	Grey silicified sediment, fractured. White quartz stringers, muscovite. Little pyrite.	274½-277½	36"		1.75
91	Silicified grey sediment with little pyrite and pyrrhotite.	277½-280	30"		9.10
92	Grey rhyolite? intruded into grey sediment. Fair pyrite and pyrrhotite. Muscovite.	280-282	24"		8.75
93	Sediment remnant in grey rhyolite. Visible Gold? Fairly good pyrite and pyrrhotite.	282-282'8	8"		18.90
94	Rhyolite Fair mineralization in small fractures.	282'8-285	28"		8.75
95	Ditto. White quartz veining.	285-287	24"		19.95
96	Ditto.	287-289	24"		6.65
97	Ditto. Minor white quartz veining	289-291	24"		4.20
98	Ditto	291-293	24"		6.30
99	Ditto. Fairly massive.	293-295	24"		4.90
33100	Ditto	295-297½	30"		1.75
01	Contact zone. White quartz veining.	297½-298½	12"		0.70
02	Sheared rhyolite? altered sediment?	317-319½	30"		nil
03	Ditto.	322-324½	30"		nil
04	Rhyolite sheared with contorted quartz stringers.	327½-330	30"		nil
05	Rhyolite coarser grained fractured, blue quartz stringers and biotite (phlogopite?)	335-337½	30"		0.70
06	Coarser rhyolite with fair pyrrhotite mineralization.	342½-345	30"		nil
07	Rhyolite with 50-60% white quartz veining.	348-350	24"		nil
08	Coarse rhyolite fractured and with white and bluish quartz stringers.	350-352	24"		nil
09	Ditto, better fracturing and fair pyrrhotite.	352-354	24"		nil
10	Rhyolite fairly dark with Longitudional fractures.	362½-365	30"		nil
11	Rhyolite with fair fracturing and numerous quartz stringers.	366½-369	30"		nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

H.S.G.A
Kovel-Ohman Option

Hole No. D.D. E-35... Logged by J.C.S.

4496.1 N
Place .Surface.. Location 6942.3 E.. Direction .N.23°.W.. Date .....
Elevation 5004.9

Dip: 0' -65° 200' -59° 400' -49½° 500' -48°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33086	Highly silicified sediment, mainly blue grey quartz with tourmaline and pyrrhotite.	153'10-156	26"		nil
87	Fractured grey silicified sediment with quartz stringers.	178-180	24"		nil
88	Fractured silicified grey sediment with quartz stringers.	181-182	12"		nil
89	Grey silicified sediment well fractured with white quartz filling and pyrite and pyrrhotite mineralization.	273½-274½	12"		1.05
90	Grey silicified sediment, fractured. White quartz stringers, muscovite. Little pyrite.	274½-277½	36"		1.75
91	Silicified grey sediment with little pyrite and pyrrhotite.	277½-280	30"		9.10
92	Grey rhyolite? intruded into grey sediment. Fair pyrite and pyrrhotite. Muscovite.	280-282	24"		3.75
93	Sediment remnant in grey rhyolite. Visible Gold? Fairly good pyrite and pyrrhotite.	282-282'8	8"		18.90
94	Rhyolite fair mineralization in small fractures.	282'8-285	29"		8.75
95	Ditto. White quartz veining.	285-287	24"		19.95
96	Ditto.	287-289	24"		6.65
97	Ditto, Minor white quartz veining.	289-291	24"		4.20
98	Ditto.	291-293	24"		6.30
99	Ditto. Fairly massive.	293-295	24"		4.90
33100	Ditto.	295-297½	30"		1.75
01	Contact zone. White quartz veining.	297½-298½	12"		9.70
02	Sheared rhyolite? altered sediment?	317-319½	30"		nil
03	Ditto.	322-324½	30"		nil
04	Rhyolite sheared with contorted quartz stringers.	327½-330	30"		nil
05	Rhyolite coarser grained fractured, blue quartz stringers and biotite (Phlogopite?)	335-337½	30"		0.70
06	Coarser rhyolite with fair pyrrhotite mineralization.	342½-345	30"		nil
07	Rhyolite with 50-60% white quartz veining.	348-350	24"		nil
08	Coarse rhyolite fractured and with white and bluish quartz stringers.	350-352	24"		nil
09	Ditto, better fracturing and fair pyrrhotite.	352-354	24"		nil
10	Rhyolite fairly dark with Longitudinal fractures.	362½-365	30"		nil
11	Rhyolite with fair fracturing and numerous quartz stringers.	366½-369	30"		nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
Hasaga
Koval-Ohman Option

Hole No. D.D. E-35 Page 2

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33212	Rhyolite. Fractured, white quartz stringers. Little fine mineral (arsenopyrite?)	370-372½	30"		nil
13	Medium grained rhyolite.	382½-385	30"		1.75
14	Breccia zone	391½-393	18"		nil
15	Rhyolite.	398-400½	30"		0.35
16	Well fractured quartzite with numerous white quartz veins.	470½-472½	24"		nil
17	Fractured silicified sediment with quartz veins. Little pyrite and pyrrhotite.	475-477½	30"		nil
18	Rhyolite.	477½-480	30"		1.75
19	Fractured rhyolite with fair pyrite and pyrrhotite.	480-482½	30"		3.85
20	Less well fractured rhyolite.	482½-485	30"		nil
21	Rhyolite. Little fracturing very little mineralization.	485-487½	30"		nil
22	Rhyolite - white quartz vein.	487½-490	30"		nil
23	Silicified sediment.	490-492½	30"		nil
24	Silicified sediment and narrow bands with heavy pyrrhotite.	492½-495	30"		nil
0-2	Casing.				
2-15	Green lightly sheared rock with quartz stringers and considerable quartz injected into the shearing.				
15-28	Coarse amphibolitic shearing. Tuff. 18-19 Blue and white quartz veins.				
28-31	Grey silicious sediment well banded.				
31-33	Grey brown massive band with fine pyrite				
33-35	Sediment as 28-31 grading into bands of amphibolitic material.				
35-52½	Green amphibolitic rock with little evidence of banding. A few white and blue quartz stringers. (tuff?)				
52½-60	Green blue green and brown banded with pyrrhotite generally in the brown bands. Banding good from 53-55.				
60-62	Massive amphibolite?				
62-103	Tuff. Generally massive green somewhat silicious rock. Some minor fracturing with quartz stringers. Little pyrite mineralization. 78½-80, 83-83½, Ground. Some minor brown bands near end of section with pyrrhotite mineralization.				
103-105	Slightly silicious grey, brown and green banded sediment (tuff?) Some fracturing and quartz stringers.				
105-122½	Green massive amphibolitic rock (tuff?) A few more fractures. 108-109, 114-115, Ground.				
122½-131½	Sediment. Slightly silicious in sections. Brown and green banded with cross bedding. Occasional quartz stringers. Little pyrr.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
R.SAGA
Koval-Ohman Option

Hole No. D.D. P-35 Page 2.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33212	Rhyolite. Fractured, white quartz stringers. Little fine mineral (Arsenopyrite?)	370-372½	30"		nil
13	Medium grained rhyolite.	382½-385	30"		1.75
14	Breccia zone	391½-393	18"		nil
15	Rhyolite.	398-400½	30"		0.35
16	Well fractured quartzite with numerous white quartz veins.	470½-472½	24"		nil
17	Fractured silicified sediment with quartz veins. Little pyrite and pyrrhotite.	475-477½	30"		nil
18	Rhyolite.	477½-480	30"		1.75
19	Fractured rhyolite with fair pyrite and pyrrhotite.	480-482½	30"		3.85
20	Less well fractured rhyolite.	482½-485	30"		nil
21	Rhyolite. Little fracturing very little mineralization.	485-487½	30"		nil
22	Rhyolite - white quartz vein.	487½-490	30"		nil
23	Silicified sediment.	490-492½	30"		nil
24	Silicified sediment and narrow bands with heavy pyrrhotite.	492½-495	30"		nil
0 - 2	Casing.				
2 - 15	Green lightly sheared rock with quartz stringers and considerable quartz injected into the shearing.				
15 - 28	Coarse amphibolitic shearing. tuff. 18-19 Blue and white quartz veins.				
28 - 31	Grey silicious sediment well banded.				
31 - 33	Grey brown massive band with fine pyrite.				
33 - 35	Sediment as 28-31 grading into bands of amphibolitic material.				
35 - 52½	Green amphibolitic rock with little evidence of banding. A few whit and blue quartz stringers. (tuff?)				
52½ - 60	Green blue green and brown banded with pyrrhotite generally in the brown bands. Banding good from 53-55.				
60 - 62	Massive amphibolite?				
62 - 103	Tuff. Generally massive green somewhat silicious rock. Some minor fracturing with quartz stringers. Little pyrite mineralization. 78½-80, 83-83½, Ground. Some minor brown bands near end of section with xxxxx pyrrhotite mineralization.				
103 - 105	Slightly silicious grey, brown and green banded sediment (tuff?) Some fracturing and quartz stringers.				
105 - 122½	Green massive amphibolitic rock (tuff?) A few more fractures. 108-109, 114-115, Ground.				
122½ - 131½	Sediment. Slightly silicious in sections. Brown and green banded with cross bedding. Occasional quartz stringers. Little pyr				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
Hasaga
Koval-Ohman Option

Hole No. D.D. E-35 Page 3

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
131½-135½	Tuff? Sediment? More massive green as	105-122½			
135½-142½	Green and brown banded sediment (tuff?) Pyrite in brown bands.				
142½-144	Grey well banded or bedded slightly silicious sediment.				
144-153'10	Green and brown banded sediment (tuff.) with occasional small quartz stringers. and little pyrrhotite.				
153'10-156	Highly silicified band appearing as bluish grey quartz but showing remnents of bedding. Some fracturing with tourmaline and pyrrhotite.				
156-159½	Grey to dark well bedded sediment. 158-159 Fractured and containing 2" narrow bluish quartz vein.				
159½-166	Green and brown banded sediment showing a very little shearing and fracturing. Occasional quartz stringers.				
166-171	Greenish brown sediment? Sheared appearance with very tiny quartz blebs and stringers.				
171-174'10	Green and dark banded tuff? Garnetiferous, fractured and containing occasional blue quartz stringers.				
174'10-199'6	Uniform grey silicified sediment? with faint greenish tinge in sections. Little fracturing at 178' and 182' with narrow irregular quartz stringers. This band resembles a sheared rhyolite in sections.				
199'6-209	Green and grey banded sediment slightly silicified in sections with some fracturing and blue quartz stringers. A few garnets evident near 205'.				
209-218	Well banded silicious sediment generally grey but with light cherty bands, a few green ones and some dark. A very little pyrrhotite present.				
218-223	Darker sediment with green bands more prominent. A few garnets. a very little fracturing and occasional blue quartz stringers.				
223-224½	Highly garnetiferous.				
224½-226½	Dark fairly uniform sediment.				
226½-232	Grey to dark sediment with irregular green bands and a few bluish quartz stringers.				
232-258	Green and brown banded sediment? A little shearing and a few quartz stringers. Green bands becoming less evident toward end of section.				
258-277½	First part of section similar to 232-258 but becoming more predominately a grey sediment. From 271 to end of seciton the rock is a lighter grey and apparently slightly silicified. Muscovite is apparent in places. Strong fracturing with white quartz veining is evident at 260-262, 263-264, 273½-274½, and 276-277. Fair to good pyrite and pyrrhotite is evident associated with the quartz from 273½-274½.				
277½-283½	Grey rhyolite? with silicified grey sediment remnents. First part of section mainly silicified sediments. Muscovite apparent on fractures. Fair pyrrhotite and pyrite mineralization generally quite fine. Very small speck of V.G.? at 282'3				
283½-298½	Grey to blue grey rhyolite. Fractured irregular contact zone with white quartz veining.				
298½-317	Dark grey sediment with slight fracturing and white quartz stringers 312-314 Little shearing, numerus white quartz stringers.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

[illegible]

Koval-Ohman Option.

Hole No. D.D. ..E-35 Page 3.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
131½ - 135½	Tuff? Sediment? More massive green as 105-122½.				
135½ - 142½	Green and brown banded sediment (tuff?) Pyrite in brown bands.				
142½ - 144	Grey well banded or bedded slightly silicious sediment.				
144 - 153'10	Green and brown banded sediment (tuff?) with occasional small quartz stringers. and little pyrrhotite.				
53'10 - 156	Highly silicified band appearing as bluish grey quartz but showing remnents of bedding. Some fracturing with tourmaline and ~~xxxxx~~. pyrrhotite.				
156 - 159½	Grey to dark well bedded sediment. 158-159 Fractured and containing 2"narrow bluish quartz vein.				
159½ - 166	Green and brown banded sediment showing a very little shearing and fracturing. Occasional quartz stringers.				
166 - 171	Greenish brown sediment? Sheared appearance with very tiny quartz blebs and stringers.				
171 - 174'10	Green and dark banded tuff? Garnetiferous, fractured and containing occasional blue quartz stringers.				
74'10 -199'6	Uniform grey silicified sediment? with faint greenish tinge in sections. Little fracturing at 178' and 182' with narrow irregular quartz stringers. This band resembles a sheared rhyolite in sections.				
199'6 - 209	Green and grey banded sediment slightly silicified in sections with some fracturing and blue quartz stringers. A few garnets evident near 205'.				
209 - 218	Well banded silicious sediment generally grey but with light cherty bands, a few green ones and some dark. A very little pyrrhotite present.				
218 - 223	Darkenr sediment with green bands more prominent. A few garnets, a very little fracturing and occasional blue quartz stringers.				
223 - 224½	Highly garnetiferous.				
224½ - 226½	Dark fairly uniform sediment.				
226½ - 232	Grey to dark sediment with irregular green bands and a few bluish quartz stringers.				
232 - 258	Green and brown banded sediment? A little shearing and a few quartz stringers. Green bands becoming less evident toward end of section.				
258 - 277½	First part of section similar to 232-258 but becoming more predominately a grey sediment. From 271 to end of section the rock is a lighter grey and apparently slightly silicified. Muscovite is apparent in places. Strong fracturing with white quartz veining is evident at 260-262, 263-264, 273½-274½, and 276-277. Fair to good pyrite and pyrrhotite is evident associated with the quartz from 273½-274½.				
277½ - 283½	Grey rhyolite? with silicified grey sediment remnents. First part of section mainly silicified sediments. Muscovite apparent on fractures. Fair pyrrhotite and pyrite mineralization generally quite fine. Very small speck of V.G.? at 282'3"				
283½ - 298½	Grey to blue grey rhyolite. Fractured irregular contact zone with white quartz veining.				
298½ - 317	Dark grey sediment with slight fracturing and white quartz stringer 312-314 Little shearing, numerous white quartz stringers.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
Hasaga
Koval-Ohman Option

Hole No. D.D. E-35 Page 4

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
317-376½	Grey to dark grey sheared chyolite minor fracturing with ??ist(?) Numerous blebs and specks of carbonate - (deformed amygdules) Little very fine mineralization mainly pyrite and pyrrhotite. Some coarse muscovite. 324' - 2" white quartz vein. 348-354 Well fractured coarse grained rhyolite with fine pyrite and pyrrhotite. Numerous white quartz stringers and veins fair pyrite inplaces. In last 15' some sections are very doubtful rhyolite - probably altered sediments.				
376½-382½	Fairly well banded grey brown sediment with numerous narrow quartz and quartz carbonate stringers.				
382½-400½	Phyolite? medium grained in first three feet - then finer and apparently sheared (flow structures) 391½-393 Breccia zone with considerable muscovite and some arseno-pyrite. 394-396 Fractued with introduction of apatitie? on fractues and partial digestion of rock. Cherty appearance. Some sections from 386-400½ possibly altered sediments.				
400½-423	Brown sediment with numerous quartz and quartz carbonate stringers.				
423-457	Dark sediments, greywacke with numerous narrow quartz stringers. some silicous and sherty sections. 435-437 Dyke				
457-460½	Broken core, mainly white quartz with rock fragments. Little pyrite				
460½-474	Quartzite with occasional narrow band darker sediment. 470½-472½ Considerable fracturing with white quartz veining. Fine pyrite mineralization.				
474-478	Sediments, silicified and intruded by little rhyolite. Well fractured and filled with white quartz. Some pyrite and pyrrhotite mineralization.				
478-490	Rhyolite - well fractured 480-483, 487-489. Numerous white quartz veins. Fair pyrite and pyrrhotite.				
490-493½	Fractured, silicified, intruded sediments.				
493½-505	Well banded sediments. Green brown bands in first 2 feet with heavy pyrrhotite mineralization. 497-502 Dark sediment with quartz stringers. 502-505 Green and brown banded.				
	End of Hole 505'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

H.S.G.

Koval-Ohman Option.

Hole No. D.D. G-35 Page 4

Place .... Location .... Direction .... Date ....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
317-376½	Grey to dark grey sheared rhyolite [illegible]				
	Numeroun blebs and specks of carbonate - (deformed amygdules) Little very fine mineralization mainly pyrite and pyrrhotite. Some coarse muscovite.				
	324' -2" white quartz vein.				
	348 - 354 Well fractured coarse grained rhyolite with fine pyrite and pyrrhotite. Numerous white quartz stringers and veins fair pyrite in places.				
	In last 15' some sections are very doubtful rhyolite - probably altered sediments.				
376½ - 382½	Fairly well banded grey brown sediment with numerous narrow quartz and quartz carbonate stringers.				
382½ - 400½	Rhyolite? medium grained in first three feet - then finer and apparently sheared (flow structures)				
	391½-393 Breccia zone with considerable muscovite and some arsenopyrite.				
	394-396 Fractured with introduction of apatite? on fractures and partial digestion of rock. Cherty appearance.				
	Some sections from 386-400½ possibly altered sediments.				
400½ - 423	Brown sediment with numerous quartz and quartz carbonate stringers.				
423 - 457	Dark sediments, greywacke with numerous narrow quartz stringers. Some silicious and cherty sections.				
	435-437 Dyke				
457 - 460½	Broken core, mainly white quartz with rock fragments. Little pyrite.				
460½ - 474	Quartzite with occasional narrow band darker sediment.				
	470½-472½ Considerable fracturing with white quartz veining. Fine pyrite mineralization.				
474 - 478	Sediments, silicified and intruded by little rhyolite. Well fractured and filled with white quartz. Some pyrite and pyrrhotite mineralization.				
478 - 490	Rhyolite - well fractured 480-483, 487-489. Numerous white quartz veins. Fair pyrite and pyrrhotite.				
490 - 493½	Fractured, silicified, intruded sediments.				
493½ - 505	Well banded sediments. Green brown bands in first 2 feet with heavy ~~pyrite~~ pyrrhotite mineralization.				
	497-502 Dark sediment with quartz stringers.				
	502-505 Green and brown banded.				
	End of hole 505'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Koval-Ohman Option.

Hole No. D.D. 3-35 Page 4

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
317-376½	Grey to dark grey [illegible]				
	Numerous blebs and specks of carbonate - (deformed amygdules) little very fine mineralization mainly pyrite and pyrrhotite. Some coarse muscovite.				
	324' -2" white quartz vein.				
	348 - 354 Well fractured coarse grained rhyolite with fine pyrite and pyrrhotite. Numerous white quartz stringers and veins fair pyrite in places.				
	In last 15' some sections are very doubtful rhyolite - probably altered sediments.				
376½ - 382½	Fairly well banded grey brown sediment with numerous narrow quartz and quartz carbonate stringers.				
382½ - 400½	Rhyolite? medium grained in first three feet - then finer and apparently sheared (flow structures)				
	391½-393 Breccia zone with considerable muscovite and some arsenopyrite.				
	394-396 Fractured with introduction of apatite? on fractures and partial digestion of rock. Cherty appearance.				
	Some sections from 386-400½ possibly altered sediments.				
400½- 423	Brown sediment with numerous quartz and quartz carbonate stringers.				
423 - 457	Dark sediments, greywacke with numerous narrow quartz stringers.				
	Some silicious and cherty sections.				
	435-437 Dyke				
457 - 460½	Broken core, mainly white quartz with rock fragments. Little pyrite.				
460½ - 474	Quartzite with occasional narrow band darker sediment.				
	470½-472½ Considerable fracturing with white quartz veining. Fine pyritem'nrulization.				
474 - 478	Sediments, silicified and intruded by little rhyolite. Well fractured and filled with white quartz. Some pyrite and pyrrhotite mineralization.				
478 - 490	Rhyolite - well fractured 480-483, 487-489. Numerous white quartz veins. Fair pyrite and pyrrhotite.				
490 - 493½	Fractured, silicified, intruded sediments.				
493½ - 505	Well banded sediments. Green brown bands in first 2 feet with heavy pyritexx pyrrhotite mineralization.				
	497-502 Dark sediment with quartz stringers.				
	502-505 Green and brown banded.				
	End of hole 505'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT
Hasaga
Koval-Ohman Option

Hole No. D.D. E-40

Place Surface Location. 4675.9N 6807.7E Direction Logged by J.C.S. Date Sept. 9/54.
Elevation; 4996.6

Dip; 0' -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33015	Silicified sediment with quartz stringers.	18-20	24"		1.05
46	Silicious sediment.	20-22	24"		0.35
16	Fractured silicified sediment with numerous quartz stringers.	22-24	24"		1.40
47	Ditto	24-26	24"		2.45
17	Ditto, Little fine mineralization.	26-28	24"		0.70
18	Ditto.	28-30	24"		4.55
48	Fractued rhyolite medium grained with quartz stringers.	30-32	24"		nil
19	Fractured rhyolite medium grained with quartz stringers.	32-34	24"		5.60
49	Grey rhyolite more massive.	34-36'9	33"		0.70
20	Well fractured rhyolite with numerous quartz stringers. Pyrite in gash fracture in quartz.	36'9-38'3	18"		1.75
50	Ditto	38'3-40	21"		nil
21	Fractured rhyolite.Pyrite slips. Quartz stringers.	40-42	24"		3.15
51	Well fractured with quartz stringers.	42-44	24"		2.45
52	Ditto	44-46	24"		2.10
22	Fractured rhyolite. Fair pyrite mineralization.	46-48	24"		9.45
53	Ditto	48-50	24"		2.80
54	Silicified greywacke.	50-52	24"		1.40
23	Silicified greywacke. Little fine pyrite.	52-54	24"		7.70
33360	Silicified sediment grey, Little mineralization. Rusty fractures.	54-56½	30"		9.45
61	Silicified sediment, quartz stringers	56½-59½	36"		3.15
62	Ditto· less alterations.	59½-63	42"		2.45
33024	Brown sediment with quartz stringers.	63-65	24"		3.85

0-4	Casing
4-19	Dark grey sediment. Leached in places. Quartz stringers at 17' and 18'. Lighter in color and more silicious from 16'. Little fine arsenopyrite near quartz stringers.
19-32	Fractured silicified grey sediment. Pyrite, pyrrhotite and fine arsenopyrite mineralization in areas of strongest fracturing. 27½-3" rhyolite? 28½-29 -6" Rhyolite? 27-32 Numerous quartz stringers.
32-50½	Grey well fractured rhyolite. Some sections very similar to 320 in hole E-33. Numerous quartz stringers. from 31-32 and from 42-43. Pyrite and pyrrhotite evident as fine mineralization
50½-63	Dark sediment, greywacke Somewhat silicified. Quartz stringers at 51-51½,53,55,56,58,60. Leaching and rust around 57'
63-65	Silicified brown sediment with quartz stringers.
65-67½	Greywacke. 67½-68 Ground.
68-69'9	Dyke 69'9 - 70 Greywacke
	END OF HOLE 70'

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

HASAGA

Koval-Ohman Option

Hole No. D.D. E-49... Logged by J.C.S.

Place Surface... Location 4675.9 N 6907.7 E Elevation 4996.6... Direction S 22° E..... Date Sept 9/54.

Dip: 0' -30°

Sample No.	Description	Footage	Width	Assay Oz.	Value
33015	Silicified sediment with quarts stringers.	18-20	24"		1.05
46	Silicious sediment.	20-22	24"		0.35
16	Fractured silicified sediment with numerous quartz stringers.	22-24	24"		1.40
47	Ditto	24-26	24"		2.45
17	Ditto. Little fine mineralization.	26-28	24"		0.70
18	Ditto.	28-30	24"		4.55
48	Fractured rhyolite medium grained with quartz stringers.	30-32	24"		nil
19	Fractured rhyolite medium grained with quartz stringers.	32-34	24"		5.60
49	Grey rhyolite more massive.	34-36'9	33"		0.70
20	Well fractured rhyolite with numerous quartz stringers. Pyrite in gash fracture in quartz.	36'9-38'3	18"		1.75
50	Ditto	38'3-40	21"		nil
21	Fractured rhyolite. Pyrite on slips. Quartz stringers.	40-42	24"		3.15
51	Well fractured with quartz stringers.	42-44	24"		2.45
52	Ditto	44-46	24"		2.10
22	Fractured rhyolite. Fair pyrite mineralization.	46-48	24"		9.45
53	Ditto	48-50	24"		2.80
54	Silicified greywacke.	50-52	24"		1.40
23	Silicified greywacke. Little fine pyrite	52-54	24"		7.70
33360	Silicified sediment grey. Little mineralization. Rusty fractures.	54-56½	30"		9.45
61	Silicified sediment, quartz stringers.	56½-59½	36"		3.15
62	Ditto- less alterations.	59½-63	42"		2.45
33024	Brown sediment with quartz stringers.	63-65	24"		3.85

0 - 4 Casing.

4 - 19 Dark grey sediment. Leached in places. Quartz stringers at 17' and 18'. Lighter in color and more silicious from 16'. Little fine arsenopyrite near quartz stringers.

19 - 32 Fractured silicified grey sediment. Pyrite, pyrrhotite and fine arsenopyrite mineralization in areas of strongest fracturing.
27½ - 3" Rhyolite?
28½-29 -6" Rhyolite?
27-32 Numerous quartz stringers.

32 - 50½ Grey well ~~mineralized~~ fractured rhyolite. Some sections very similar to 320 in hole E-33. Numerous quartz stringers. from 31-32 and from 42-43. Pyrite and pyrrhotite evident as fine mineralization.

50½ - 63 Dark sediment, greywacke somewhat silicified. Quartz stringers at 51-51½, 53,55, 56, 58, 60. Leaching and rust around 57'

63 - 65 Silicified brown sediment with quarts stringrs.

65 - 67½ Greywacke. 67½-68 Ground.

68 - 69'9 Dyke 69'9 - 70 Greywacke End of hole 70'

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D.E-41 ....

Logged by J.C.S.

Place ..... Location. . N 4666.2 5000.0 .... Direction . .S .22 .E ... Date .....
E 6764.8

Dip: 0' 30

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
32265	Rhyolite - slight fracturing	4-6½	30"		1.05
66	Ditto	6½-9	30"		nil
67	Ditto	9-11½	30"		nil
68	Fractured contact zone	11½-12½	12"		nil
69	Grey to dark sediment with occasional quartz stringers	12,-15	30"		nil
70	Ditto	15-17½	30"		nil
71	Ditto	17½-20	30"		nil
72	Ditto	20-22½	30"		nil
73	Ditto. Little arsenopyrite	22½-25	30"		nil
74	Ditto	25-27	24"		nil
75	Ditto	27-29	24"		nil
76	Ditto	29-31	24"		nil
77	Ditto with quartz stringers and little pyrrhotite	31-32	12"		nil
78	Dark sediment with occasional quartz stringers.	32-34½	30"		nil
79	Ditto	34½-37	30"		nil
80	Ditto	37-39	24"		nil
81	Ditto	39-41	24"		nil
82	Ditto with quartz stringers and little arsenopyrite	41-43½	30"		nil
83	Greywacke? Dark sediment as before	43½-47	42"		1.40
84	Rhyolite	47-50	36"		7.00
85	Ditto	50-52½	30"		8.75
86	Ditto	52½-55	30"		10.1
87	Ditto - better fracturing	55-57½	30"		10.1
88	Ditto	57½-60	30"		2.10
89	Ditto	60-62½	30"		nil
90	Ditto	62½-65	30"		nil
91	Ditto well fractured	65-66½	18"		0.70
92	Well fractured silicified dark Rhyolite?	66½-68	18"		2.45
93	Well fractured silicified sediment	69'6-72	30"		2.45
94	Ditto	72-73'8	20"		2.45
95	Silicified sediment	74-76½	30"		0.70
96	60% white quartz	76½-77½	12"		1.75
97	Highly silicified sediment	77½-80	30"		8.40
0-4	Casing				
4-11½	Coarse rhyolite similar to 310' in hole E-33				
11½-12½	Dark sediment - rhyolite contact zone fractured with quartz stringers				
12½-18½	Rhyolite finer grain (sed)				
18½-47	Dark to grey greywacke white quartz at 14½, 23. 26½ and 35' Groups of stringers in fractures from 31 to 32' and from 41-43½				
	24-25½ Rhyolite? little arsenopyrite especially near zones of quartz stringers.				

HASAGA GOLD MINES LTD.

DIAMOND DRILL REPORT

BEN LAKE

Hole No. E-41 — Logged by J.C.S.

LOCATION N 4666.2, 5000.0 E 6764.8 — Direction S 22 E

Dip: 0' -30

Sample No.	Description	Footage	Width	Assay Oz. Value
32265	Rhyolite - slight fracturing	4-6½	30"	1.05
66	Ditto	6½-9	30"	nil
67	Ditto	9-11½	30"	nil
68	Fractured contact zone	11½-12½	12"	nil
69	Grey to dark sediment with occasional quartz stringers	12½-15	30"	nil
70	Ditto	15-17½	30"	nil
71	Ditto	17½-20	30"	nil
72	Ditto	20 -22½	30"	nil
73	Ditto. Little arsenopyrite	22½-25	30"	nil
74	Ditto	25-27	24"	nil
75	Ditto	27-29	24"	nil
76	Ditto	29-31	24"	nil
77	Ditto with quartz stringers and little pyrrhotite	31-32	12"	nil
78	Dark sediment with occasional quartz stringers.	32-34½	30"	nil
79	Ditto	34½-37	30"	nil
80	Ditto	37-39	24"	nil
81	Ditto	39-41	24"	nil
82	Ditto with quartz stringers and little arsenopyrite	41-43½	30"	nil
83	Greywacke? Dark sediment as before	43½-47	42"	1.40
84	Rhyolite	47-50	36"	7.00
85	Ditto	50-52½	30"	8.75
86	Ditto	52½-55	30"	10.15
87	Ditto - better fracturing	55-57½	30"	10.15
88	Ditto	57½-60	30"	2.10
89	Ditto	60-62½	30"	nil
90	Ditto	62½-65	30"	nil
91	Ditto well fractured	65-66½	18"	0.70
92	Well fractured silicified dark Rhyolite?	66½-68	18"	2.45
93	Well fractured silicified sediment.	69'6-72	30"	2.45
94	Ditto	72-73'8	20"	2.45
95	Silicified sediment	74-76½	30"	0.70
96	60% white quartz	76½-77½	12"	1.75
97	Highly silicified sediment	77½-80	30"	8.40

0 - 4 Casing

4 - 11½ Coarse rhyolite similar to 310' in hole E-33

11½ - 12½ Dark sediment - rhyolite contact zone fractured with quarts stringers.

12½ - 18½ Rhyolite finer grain (sed)

18½ - 47 Dark to grey greywacke White quartz at 14½, 23. 26½, and 35' Groups of stringers in fractures from 31 to 32' and from 41-43½'

24 - 25½' Rhyolite? Little arsenopyrite especially near zones of quartz stringers.

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. E-41 Page 2

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
47-66½	Rhyolite fine to medium fine grain generally grey in color. Fractured with small blue quartz stringers. Occasional fine arsenopyrite mineralization where fractured.				
66½-76½	Rhyolite? Highly silicified and fractured sediment? Fair pyrite on fractures. 68-69'6 Ground				
76½-77	Mainly white quartz				
77-80	Highly silicified sediment with numerous bluish and a few white quartz stringers. A little very fine arsenopyrite.				
80-86'3	Greywacke - dark finely banded sediment with occasional quartz stringers.				
	END OF HOLE. 86'				

HASAGA GOLD MINES LTD.

DIAMOND DRILL REPORT

BEN LAKE

Hole No. E-41 Page 2 Logged by

LOCATION N / E Direction

Dip:

Sample No.	Description	Footage	Width	Assay Oz. Value
64-66½	Rhyolite fine to medium fine grain generally grey in color. Fractured with small blue quartz stringers. Occasional fine arsenopyrite mineralization where fractured.			
66½-76½	Rhyolite? Highly silicified and fractured sediment? Fair pyrite on fractures. 68-69'6 Ground			
76½-77	Mainly white quartz.			
77-80	Highly silicified sediment with numerous bluish and a few white quartz stringers. A little very fine arsenopyrite.			
80-86'3	Greywacke - dark finely banded sediment with occasional quarts stringers.			
	End of hole 86'			

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. .....

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
33055	Cherty sediment	3-4½	18"		10.85
56	Dyke with quartz stringers.	5-6'7	19"		nil
57	Cherty band.	6'7-7'10	15"		1.05
58	Dark sediment with good arsenopyrite mineralization.	7'10-8'10	12"		nil
59	Fine grey sediment arsenopyrite and pyrite	10-12	24"		nil
60	Badly broken grey sediment with quartz stringers and considerable pyrite.	12-13'8	20"		0.35
61	Dark sediments with blue quartz stringers. and arsenopyrite	15-17½	30"		1.05
62	Ditto	17½-20	30"		1.75
63	Cherty sediment - 21-22 Dark with good arsenopyrite.	20-22½	30"		nil
64	Cherty sediment badly broken.	22½-25	30"		2.80
65	Cherty-considerable quartz	26-27½	18"		0.70
66	Silicious sediment. A little massive pyrite on fractures.	28-30	24"		3.50
67	Ditto	30-33½	42"		0.70
68	Dark sediment with a little arseno-pyrite.	33½-35½	24"		0.70
69	Dark sediment with a few garnets. Little fine arsenopyrite.	36'9-39'3	30"		1.40
70	ditto	39'3-42	33"		1.40
71	Dark and green banded sediment.	42-44½	30"		1.05
72	Ditto	44½-47	30"		4.55
73	ditto	47-49	24"		4.90
74	Ditto	50-53	36"		0.35
75	Grey to brown sediment. Little pyrrhotite.	53-55½	30"		0.70
76	Darker and sheared with quartz stringers.	55½-58	30"		1.40
77	Dark sediment.	59½-62	30"		nil
78	Ditto	62-64½	30"		nil
79	Ditto	64½-67	30"		nil
80	Dark and green banded sediment.	68-70½	30"		nil
81	Ditto	70½-73	30"		nil
82	Ditto	73-75½	30"		nil
83	Ditto	75½-78	30"		nil
84	Ditto	78-80'4	28"		nil
85	Garnetiferous band.	80'4-81'9	17"		2.80
0-3	Casing				
3-4½	Very light cream or greenish colored sherty sediment. Core badly broken.				
4½-5	Ground				
5-6'7	Quartz diorite dyke. 3" white quartz at 6'				
6'7-7'10	Light cherty band.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

H.S.A.O.A.

Koval-Ohman Option

Hole No. D.D. E-42 ... Logged by J.C.S.

Place Surface ... Location ..... Direction ..... Date Sept 10/54
Elevation .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33055	Cherty sediment.	3-4½	18"		10.85
56	Dyke with quartz stringers.	5-6'7	19"		nil
57	Cherty band.	6'7-7'10	15"		1.05
58	Dark sediment with good arsenopyrite mineralization.	7'10-8'10	12"		nil
59	Fine grey sediment arsenopyrite and pyrite.	10-12	24"		nil
60	Badly broken grey sediment with quartz stringers and considerable pyrite.	12-13'8	20"		0.35
61	Dark sediments with blue quartz stringers. and arsenopyrite.	15-17½	30"		1.05
62	Ditto	17½-20	30"		1.75
63	Cherty sediment -21-22 Dark with good arsenopyrite.	20-22½	30"		nil
64	Cherty sediment badly broken.	22½-25	30"		2.80
65	Cherty - considerable quartz.	26-27½	18"		00.70
66	Silicious sediment. A little massive pyrite on fractures.	28-30	24"		3.50
67	Ditto	30-33½	42"		0.70
68	Dark sediment with a little arsenopyrite.	33½-35½	24"		0.70
69	Dark sediment with a few garnets. Little fine arsenopyrite.	36'9-39'3	30"		1.40
70	Ditto	39'3-42	33"		1.40
71	Dark and green banded sediment.	42-44½	30"		1.05
72	Ditto	44½-47	30"		4.55
73	Ditto	47-49	24"		4.90
74	Ditto	50-53	36"		0.35
75	Grey to brown sediment. Little pyrrhotite.	53-55½	30"		0.70
76	Darker and sheared with quartz stringers.	55½-58	30"		1.40
77	Dark sediment.	59½-62	30"		nil
78	Ditto	62-64½	30"		nil
79	Ditto	64½-67	30"		nil
80	Dark and green banded sediment.	68-70½	30"		nil
81	Ditto	70½-73	30"		nil
82	Ditto	73-75½	30"		nil
83	Ditto	75½-78	30"		nil
84	Ditto	78-80'4	28"		nil
85	Garnetiferous band.	80'4-81'9	17"		2.80
0 - 3	Casing.				
3 - 4½	Very light cream or grenish colored cherty sediment. Core badly broken.				
4½ - 5	Ground.				
5 - 6'7	Quartz diorite dyke. 3" white quartz at 6'.				
6'7 - 7'10	Light cherty band.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. E-42 Page 2

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
7'10-8'10	Cherty to dark sediment with good coarse arsenopyrite.				
8'10-10	Quartz diorite dyke.				
10-13'8	Grey slightly silicified sediment with few cherty bands. Little arsenopyrite.				
13'8-15	Ground				
15-20	Dark banded granular sediment with bluish quartz stringers and fair arsenopyrite. Some pyrite.				
20-28	Light silicious sediment fractured and with considerable quartz near 26'. Core badly broken. Fair to good arsenopyrite. 25-26 and 27½-28 Ground				
28-33½	Darker silicious sediment. Occasional garnet in darker bands				
33½-42	Grey to dark sediment with occasional garnets. Little fine pyrrhotite and arsenopyrite. 35½-36'9 Dyke Arsenopyrite on contacts.				
42-53	Dark and green banded sediment? lightly sheared A few garnets in first three feet. 49-50 Ground				
53-59½	Dark grey to brown sediment with occasional blue quartz stringers. 57-57½ Dyke. 58-59 Ground 59-59½ Sheared				
59½-67	Very dark sediment with occasional green bands. A little very fine mineralization. 66-66'9 dyke 67-68 Ground				
68-80'4	Dark and green banded sediment with occasional quartz stringers.				
80'4-81'9	Fractured garnetiferous band a little pyrite and arsenopyrite.				
	END OF HOLE 81'9"				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. E-42 Page 2.

Place Surface.. Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
7'10 - 8'10	Chorty to dark sediment with good coarse arsenopyrite.				
8'10 - 10	Quartz diorite dyke.				
10 - 13'8	Grey slightly silicified sediment with few chorty bands. Little arsenopyrite.				
13'8 - 15	Ground.				
15 - 20	Dark banded qgranular sediment with bluish quartz stringers and fair arsenopyrite. Some pyrite.				
20 - 28	Light silicious sediment fractured and with considerable quartz near 26'. Core badly broken. Fair to good arsenopyrite. 25-26 and 27½-28 Ground.				
28 - 33½	Darker silicious sediment. Occasional garnet in darker bands.				
33½ - 42	Grey to dark sediment with occasional garnets. Little fine pyrrhotite and arsenopyrite. 35½-36'9 Dyke Arsenopyrite on contacts.				
42 - 53	Dark and green banded sediment? lightly sheared. A few garnets in first three feet. 49-50 Ground.				
53 - 59½	Dark grey to brown sediment with occasional blue quartz stringers. 57-57½ Dyke 58-59 Ground 59-59½ Sheared.				
59½ - 67	Very dark sediment with occasional green bands. A little very fine mineralization. 66-66'9 Dyke 67-68 Ground.				
68 - 80'4	Dark and green banded sediment with occasional quartz stringers.				
80'4 - 81'9	Fractured garnetiferous band a little pyrite and arsenopyrite.				
	End of hole 81'9"				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. E-43

Place Surface Location 5112.0N 7231.5E Elevation 4997.8 Direction S22E Date

Dip: 0' -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33118	Fine grey green to brown sediment.	3-5	24"		nil
33225	Grey sediment, bluish grey quartz stringers. Little pyrite and pyrrhotite.	5-7½	30"		nil
33119	Sediment.	7½-10	30"		nil
20	Sediment.	10-11'7	19"		1.05
21	Grey sediment - pyrite	13-17'6	54"		nil
22	Sediment	19'6-22'6	36"		nil
26	Tuff? Green and brown banded. Little pyrrhotite	22½-25	30"		1.05
23	Sediment.	25-26	14"		0.70
33227	Highly silicified band	26-29	36"		4.90
33124	Sediment.	29-32	36"		1.05
25	Ditto.	32-35	36"		0.70
26	Ditto	35-38	36"		0.70
27	Ditto.	38-41	36"		0.35
33228	Dark sediment, bluish quartz stringers and little pyrrhotite and arsenopyrite	43-45½	30"		0.35
29	Ditto	45½-48	30"		1.05
33128	Sediment.	50-54	48"		7.00
29	Ditto	55-57	24"		4.55
33230	Dark and green fractured with blue quartz stringers and little pyrrhotite	57-59	24"		3.15
33130	Sediment.	59-62	36"		1.75
31	Sediment.	62'6-66	42"		nil
33231	Dark sediment.	66-68½	30"		0.70
33232	Ditto.	68½-71	30"		nil
33132	Sediment.	71-75	48"		nil
33133	Sediment.	75-78	36"		nil
34	Ditto	78-81	36"		nil
35	Ditto	81-84	36"		nil
36	Sediment.	84-86	24"		nil
33233	Fracture zone, pyrite and pyrrhotite	86-88½	30"		nil
33137	Sediment.	88-91'8	44"		nil
0-3	Casing				
3-20½	Grey fine grained sediment with occasional cherty band. Some greenish bands. Little pyrrhotite. 3-3½ Rhyolite? very light color. 11'7-12'9 Dyke 14½-1" quartz stringer. 17½-19½ Dyke				
20½-26	Coarse grained sediment with more irregular bedding. Tuff? Green and brown banded.				
26-29	Very highly silicious sediment. Rust on fractures. Bluish quartz stringers.				
29-37'3	Brownish rather coarse grained sediments.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option.

Hole No. D.D. E-43...

5112.ON

Place .Surface.. Location .7231.5E.. Direction .S22E.... Date .....
Elevation 4997.8

Dip: 0' -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33118	Fine grey green to brown sediment.	3-5	24"		nil
33225	Grey sediment, bluish grey quartz stringers. Little pyrite and pyrrhotite.	5-7½	30"		nil
33119	Sediment.	7½-10	30"		nil
20	Sediment.	10-11'7	19"		1.05
21	Grey sediment - pyrite.	13-17'6	54"		nil
22	Sediment.	19'6-22'6	36"		nil
26	Tuff? Green and brown banded. Little pyrrhotite.	22½-25	30"		1.05
23	Sediment.	25-26	14"		0.70
33227	Highly silicified band.	26-29	36"		4.90
33124	Sediment.	29-32	36"		1.05
25	Ditto.	32-35	36"		0.70
26	Ditto.	35-38	36"		0.70
27	Ditto.	38-41	36"		0.35
33228	Dark sediment, bluish quartz stringers and little pyrrhotite and arsenopyrite.	43-45½	30"		0.35
29	Ditto.	45½-48	30"		1.05
33128	Sediment.	50-54	48"		7.00
29	Ditto.	55-57	24"		4.55
33230	Dark and green fractured with blue quartz stringers and little pyrrhotite.	57-59	24"		3.15
33130	Sediment.	59-62	36"		1.75
31	Sediment.	62'6-66	42"		nil
33231	Dark sediment.	66-68½	30"		0.70
33232	Ditto.	68½-71	30"		nil
33132	Sediment.	71-75	48"		nil
33133	Sediment.	75-78	36"		nil
34	Ditto.	78-81	36"		nil
35	Ditto.	81-84	36"		nil
36	Sediment.	84-86	24"		nil
33233	Fracture zone, pyrite and pyrrhotite.	86-88½	30"		nil
33137	Sediment.	88-91'8	44"		nil

0 - 3 Casing.

3 - 20½ Grey fine grained sediment with occasional cherty band. Some greenish bands. Little pyrrhotite.
3-3½ R hyolite? very light color.
11'7-12'9 Dyke
14½ -1" quartz stringer.
17½-19½ Dyke.

20½ - 26 Coarse grained sediment with more irregular bedding. Tuff? Green and brown banded.

26 - 29 Very highly silicious sediment. Rust on fractures. Bluish quartz stringers.

29 - 37'3 Brownish rather coarse grained sediments.

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. E-43 Page 2.

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
37'3"-43	Green and dark irregularly banded tuff? sediment? 41'4"- 42'7" Dyke.				
43-48	Dark sediment with bluish quartz stringers. Little pyrrhotite and arsenopyrite				
48-66	Dark and green irregularly banded tuff? 49-50, 64-65, 61½-62½, Ground.				
66-71	Dark grey to dark finely banded sediment. 68'2"- 68'6" Fine grained dyke.				
71-85	Green and brown to dark banded sediment? tuff.				
85-86	Dark sediment, Finely banded.				
86-88½	Well fractured zone with blue quartz stringers, pyrite and pyrrhotite				
88½-91½	Green and dark granular appearing, only minor banding, probably tuff.				
	End of hole 91½'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. A-43 Page 2.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
37'3 - 43	Green and dark irregularily banded tuff? sediment? 41'4-42'7 Dyke.				
43 - 48	Dark sediment with bluish quartz stringers. Little pyrrhotite and arsenopyrite.				
48 - 66	Dark and green irregularily banded tuff? 49-50, 64-65, 61½-62½, Ground.				
66-71	Dark grey to dark finely banded sediment. 68'2-68'6 Fine grained dyke.				
71 - 85	Green and brown to dark banded sediment? tuff.				
85 - 86	Dark sediment, finely banded.				
86 - 88½	Well fractured zone with blue quartz stringers, pyrite and pyrrhotit				
88½ - 91½	Green and dark granular appearing, only minor banding, probably tuff				
	End of hole 91½				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

HASAGA

Hole No. D.D. E-44 Kovel-Ohman Option Logged by J.C.S.

Place Surface Location 4574.3 N 6911.7 E Direction N22° W Date

Elevation 4999.8

Dip -0' -55° 370' -45°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33234	Silicified dark sediment.	115-117	24"		2.10
35	Contact zone - mainly rhyolite.	117-119½	30"		2.80
36	Ditto	119½-122	30"		0.70
37	Coarse grained rhyolite fair fine mineralization. Fair fracturing.	122-124	24"		1.05
38	Slightly finer grained not so well fractured.	124-126	24"		nil
39	Coarser grained. Some white quartz fair mineralization.	126-128	24"		1.40
40	Finer grained less fracturing fair arsenopyrite.	128-130	24"		0.70
41	Ditto.	130-132	24"		nil
42	Ditto.	132-134½	30"		nil
43	Ditto with white quartz veins.	134½-137	30"		nil
44	Rhyolite fractured coarse grained, fair mineralization.	137-139½	30"		1.75
45	Ditto	139½-142	30"		4.55
46	Ditto.	142-145	36"		6.30
47	Ditto.	145-147½	30"		3.15
48	Ditto with quartz and quartz carbonate.	147½-150	30"		nil
49	Ditto finer grained.	150-152½	30"		nil
50	Ditto.	152½-155	30"		3.50
51	Ditto.	155-157½	30"		nil
52	Ditto.	157½-160	30"		0.35
53	Ditto.	160-162½	30"		1.05
54	Ditto.	162½-165	30"		3.50
55	Ditto with quartz and carbonate veins	165-167½	30"		1.40
56	Rhyolite medium to fine grained. Fair fine mineralization.	167½-170	30"		1.05
57	Ditto.	170-172½	30"		nil
58	Ditto.	172½-175	30"		nil
59	Ditto. Better fracturing.	175-177½	30"		0.35
60	Ditto.	177½-180	30"		nil
61	Ditto.	180-182½	30"		1.40
62	Dark sediment with white quartz veining. Little mineralization.	182½-185	30"		nil
63	As 33263. Little arsenopyrite.	192½-195	30"		nil
64	Rhyolite?	202½-205	30"		nil
65	Silicified sediment with numerous quartz stringers. Very little pyrite.	212½-215	30"		3.15
66	Ditto. Less well silicified. Few fine specks arsenopyrite.	215-217½	30"		1.40
67	Fairly coarse "rolled" rhyolite with pyrite and pyrrhotite on small fractures.	227½-230	30"		0.70

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

BASIN

Kovel-Ohman Option

Hole No. D.D. 44.. 4584.3 N Logged by J.C.S.

Place Surface.. Location 6911.7 E Direction N 22° W. Date .....

Elevation 4999.8

Dip: - 0' -55° 200' -48° 3700 -45°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33234	Silicified dark sediment.	115-117	24"		2.10
35	Contact zone - mainly rhyolite.	117-119½	30"		2.80
36	Ditto.	119½-122	30"		0.70
37	Coarse grained rhyolite fair fine mineralization. Fair fracturing.	122-124	24"		1.05
38	Slightly finer grained not so well fractured.	124-126	24"		nil
39	Coarser grained. Some white quartz fair mineralization.	126-128	24"		1.40
40	Finer grained less fracturing fair arsenopyrite.	128-130	24"		0.70
41	Ditto.	130-132	24"		nil
42	Ditto.	132-134½	30"		nil
43	Ditto with white quartz veins.	134½-137	30"		nil
44	Rhyolite fractured coarse grained, fair mineralization.	137-139½	30"		1.75
45	Ditto	139½-142	30"		4.55
46	Ditto.	142-145	36"		6.30
47	Ditto.	145-147½	30"		3.15
48	Ditto with quartz and quartz carbonate.	147½-150	30"		nil
49	Ditto finer grained.	150-152½	30"		nil
50	Ditto.	152½-155	30"		3.50
51	Ditto.	155-157½	30"		nil
52	Ditto.	157½-160	30"		0.35
53	Ditto.	160-162½	30"		1.05
54	Ditto.	162½-165	30"		3.50
55	Ditto with quartz and carbonate veins.	165-167½	30"		1.40
56	Rhyolite medium to fine grained. Fair fine mineralization.	167½-170	30"		1.05
57	Ditto.	170-172½	30"		nil
58	Ditto.	172½-175	30"		nil
59	Ditto. Better fracturing.	175-177½	30"		0.35
60	Ditto.	177½-180	30"		nil
61	Ditto.	180-182½	30"		1.40
62	Dark sediment with white quartz veining. Little mineralization.	182½-185	30"		nil
63	As 33263. Little arsenopyrite.	192½-195	30"		nil
64	Rhyolite?	202½-205	30"		nil
65	Silicified sediment with numerous quartz stringers. Very little pyrite.	212½-215	30"		3.15
66	Ditto. Less well silicified. Few fine specks arsenopyrite.	215-217½	30"		1.40
67	Fairly coarse "rolled" rhyolite with pyrite and pyrrhotite on small fractures.	227½-230	30"		0.70

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

HASAGA

Hole No. D.D. E-44 Page 2. Koval-Ohman Option

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
33268	Grey sediment. Fractured with white quartz veining. Pyrite in quartz.	248-250	24"		1.75
69	Dark grey sediment finely mineralized with pyrrhotite. Some muscovite.	292½-295	30"		2.45
70	Rhyolite? Altered sediment? fair mineralization.	298-300	24"		3.50
71	Contact zone. Little pyrrhotite. Much white quartz.	300-302	24"		0.70
72	Ditto.	302-303½	18"		1.40
73	Rhyolite	303½-306	30"		1.75
74	Ditto	306-308½	30"		1.05
75	Ditto	308½-311	30"		3.85
76	Ditto	311-313½	30"		1.40
77	Ditto	313½-316	30"		2.80
78	Dark altered contorted sediment	316-318	24"		2.10
0-10	Casing				
10-11	Silicified sediment, light in colour				
11-12	Very dark sediment.				
12-17	Dark and green banded sediment?(tuff?)				
17-22½	Ground				
22½-23	Dyke				
23-26	Grey and green silicious sediment fairly well banded. Occasional bluish quartz stringers.				
26-35	Grey to dark silicious rock, fine grained with elongated carbonate flecks. probably rhyolite, muscovite on fractures.				
35-45	Similar in appearance to 26-35 but brownish in colour (brown sediments?)				
45-60	Sediment. Green and brown banded. Fine grained with bluish quartz stringers.				
60-71½	Blue-grey very fine grained, well banded silicious sediment. Occasional green and brown bands. Little fracturing with bluish quartz stringers. Some pyrrhotite mineralization.				
71½-80	Brown and green "lenticular banded" tuff? sediment? Fractured with considerable white quartz. Little leaching at 72', veining.				
80-87	Brown and green "lenticular banded" fairly regular tuff?				
87-92	Dark and minor green "lenticular banded" - contorted and with much white quartz veining.				
92-97	Fairly regular brown and green "lenticular banded" sediment?				
97-117	Grey to brownish sediment fairly fine grained. 107 - 4" white quartz 108 - 117 Slightly contorted and becoming quite dark and silicious in last part. Little pyrrhotite.				
117-122	Contact zones mainly grey rhyolite but some remnenta of sediment.				
122-182½	Rhyolite with fair "old" fracturing with bluish quartz veins. "New" fracturing with white quartz veins between 135 and 137'. Fair arsenopyrite and pyrite. Some pyrrhotite. Quartz and quartz carbonate at 150' and 165'. Probably better mineralization in last 10-15'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

H.S.&G.A.

Koval-Ohman Option.

Hole No. D.D. 4-44. Page 2.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33268	Grey sediment.- fractured with white quartz veining. Pyrite in quartz.	248-250	24"		1.75
69	Dark grey sediment finely mineralized with pyrrhotite. Some muscovite.	292½-295	30"		2.45
70	Rhyolite? altered sediment? fair mineralization.	298-300	24"		3.50
71	Contact zone. Little pyrrhotite. Much white quartz.	300-302	24"		0.70
72	Ditto.	302-303½	18"		1.40
73	Rhyolite.	303½-306	30"		1.75
74	Ditto.	306-308½	30"		1.05
75	Ditto.	308½-311	30"		3.85
76	Ditto.	311-313½	30"		1.40
77	Ditto.	313½-316	30"		2.80
78	Dark altered contorted sediment.	316-318	24"		2.10

0 - 10 Casing.

10 - 11 Silicified sediment, light in color.

11 - 12 Very dark sediment.

12 - 17 Dark and green banded sediment?(tuff?)

17 - 22½ Ground.

22½ - 23 Dyke.

23 - 26 Grey and green siliceous sediment fairly well banded. Occacional bluish quartz stringers.

26 - 35 Grey to dark silicious rock, fine grained with elongated carbonate flecks. Probably rhyolite, muscovite on fractures.

35 - 45 Similar in appearance to 26-35 but brownish in color (brown sediments?)

45 - 60 Sediment. Green and brown banded. Fine grained with bluish quartz stringers.

60 - 71½ Blue-grey very fine grained, well banded silicious sediment. Occasional green and brown bands. Little fracturing with bluish quartz stringers. Some xxxixxx pyrrhotite. mineralization.

71½ - 80 Brown and green "linticular banded" tuff? sediment? Fractured with considerable white quartz. Little leaching at 72'. veining.

80 - 87 Brown and green "lenticular banded" fairly regular tuff?

87 - 92 Dark and minor green "lenticular banded" - contorted and with much white quartz veining.

92 - 97 Fairly regular brown and green "lenticular banded" sediment?

97 - 117 Grey to brownish sediment fairly fine grained.
107 - 4" white quartz.
108 - 117 Slightly contorted and becoming quite dark and silicious in last part. Little pyrrhotite.

117 - 122 Contact zones mainly grey rhyolite but some remnents of sediment.

122 - 182½ Rhyolite with fair "old" fracturing with bluish quartz veins. "New" fracturing with white quartz veins between 135 and 137'. Fair arsenopyrite and pyrite. Some pyrrhotite. Quartz and quartz carbonat at 150' and 165'. Probably better mineralization in last 10-15'.

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. ..E-44 Page 3.

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
182½-202½	Dark sediment. Little arsenopyrite in places. Little fracturing and white quartz veining. Grades into an apparently sheared rhyolite.				
202½-209	Rhyolite? Crushed or rolled appearance - fairly coarse - little fine pyrite.				
209-219	Dark sediment fairly well bedded - silicified and cut by numerous small quartz stringers. Little fine arsenopyrite.				
219-240	Sheared rhyolite grade into coarse rolled granular at 226' and back to sheared at 234'. Little fracturing with pyrrhotite and pyrite.				
240-245	Dark grey sediment. (sheared rhyolite appearance)				
245-255	Dark grey grading into brown sediment Little fracturing and white quartz veining. Very little fine pyrrhotite. 246-247 Groun d.				
255-261	Green and dark or brown banded tuff? sediment?				
261-273½	Brown grading to grey sediment fine grained - bedding indistinct - banded by many small quartz stringers				
273½-277	Breccia zone with considerable white quartz veining. Little muscovit and pyrrhotite.				
277-300	Grey to dark sediment slightly silicified in sections - fractured with white quartz veining and narrow blue quartz stringers. 287½-288½ Breccia zone - white quartz 288½-290½ Quartz diorite dyke White quartz at 281, 282, 284, 286½, 291, 294, 297, 300. Some pyrite associated with quartz. Last 2 feet rhyolite? Mineralize with pyrite and little arsenopyrite. White quartz veining.				
300-303½	Contact zone with 40% white quartz veining. Little pyrrhotite.				
303½-316	Rhyolite with considerable "ld" fracturing. Some short sections coarse grained. Little very fine mineralization.				
316-325	Dark altered - some silicified sediments with little arsenopyrite and pyrite.				
325-372	Dark and green "lenticular" banded sediment? grading into brown and green banded sediment? at 330' which in turn grades into massive amphibolitic tuff at 360'.				
	End of hole 372'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. ..44 Page 3.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
182½ - 202½	Dark sediment. Little arsenopyrite in places. Little fracturing and white quartz veining. Grades into an apparently sheared rhyolite.				
202½ - 209	Rhyolite? Crushed or rolled appearance - fairly coarse - little fine pyrite.				
209 - 219	Dark sediment fairly well bedded - silicified and cut by numerous small quartz stringers. Little fine arsenopyrite.				
219 - 240	Sheared rhyolite grade into coarse rolled granular at 226' and back to sheared at 234'. Little fracturing with pyrrhotite and pyrite.				
240 - 245	Dark grey sediment. (sheared rhyolite appearance)				
245 - 255	Dark grey grading into brown sediment. Little fracturing and white quartz veining. Very little fine pyrrhotite.				
	246-247 Ground.				
255 - 261	Green and dark or brown banded tuff? sediment?				
261 - 273½	Brown grading to grey sediment fine grained - bedding indistinct - banded by many small quartz stringers.				
273½-277	Breccia zone with considerable white quartz veining. Little musc vite and pyrrhotite.				
277 - 300	Grey to dark sediment slightly silicified in sections - fractured with white quartz veining and narrow blue quartz stringers.				
	287½-288½ Breccia zone - white quartz.				
	288½-290½ Quartz diorite dyke.				
	White quartz at 281, 282, 284, 286½, 291, 294, 297, 300.				
	Some pyrite associated with quartz. Last 2 feet rhyolite? Mineriliza with pyrite and little arsenopyrite. White quartz veining.				
300 - 303½	Contact zone with 40% white quartz veining. Little pyrrhotite.				
303½ - 316	Rhyolite with considerable "old" fracturing. Some short sections coarse grained. Little very fine mineralization.				
316 - 325	Dark altered - some silicified sediments with little arsenopyrite and pyrite.				
325 - 372	Dark and green "lenticular" banded sediment? grading into brown and green banded sediment? at 330' which in turn grades into massive amphibolitic tuff at 360'				
	End of hole 372'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

HASAGA
Koval-Ohman Option

Hole No. D.D. E-46. 4533.9N Logged by J.C.S.

Place Surface. Location 6820.5E. Direction N22W Date Sept.27/54
Elevation 5007.5

Dip: 0' -45° 200' -45°

Sample	Description	Footage	Width	Assay Oz. Value
33424	Grey sediment. Little shearing, narrow quartz stringers. Little pyrite and pyrrhotite.	105-107½	30"	nil
25	Ditto.	107½-110	30"	1.75
26	Ditto.	110-112½	30"	1.05
27	Ditto.	112½-115	30"	1.40
33279	Altered silicified sediment. White quartz veining. Little pyrrhotite.	115-117½	30"	5.60
80	Ditto.	117½-120	30"	nil
81	Ditto. Some coarse arsenopyrite and cherty bands.	120-122½	30"	4.20
82	Ditto.	122½-125¼	34"	4.20
83	Rhyolite intruded sediment. Well mineralized with pyrite.	130½-133	30"	3.15
84	Ditto.	133-135½	30"	5.60
85	Altered sediment, silicified little rhyolite. Fractured with white quartz veining.	135½-138	30"	2.45
86	Grey to dark silicified sediment. Little fracturing and white quartz veining. Little pyrrhotite.	138-140	24"	1.40
87	Dark sediment fractured. Quartz stringers with hematite and little pyrite.	158½-160	18"	nil
88	Rhyolite?	173-175	24"	nil
89	Breccia zone.	177½-180	30"	nil
90	Breccia zone with pyrrhotite.	182½-185	30"	nil
33428	Silicified grey sediment with quartz stringers.	200-202½	30"	2.45
29	Ditto.	202½-205	30"	0.70
30	Ditto. Slightly darker.	205-208	36"	nil
33291	Highly silicified zone. Little arsenopyrite.	208-210¼	28"	3.50
33431	Sheared grey silicified sediment.	210'4-212'6	26"	nil
32	Ditto. Rhyolite?	212½-215	30"	nil
33	Rhyolite.	215-218	36"	nil
33292	Fractured rhyolite - sediment contact zone. White quartz, pyrrhotite.	218-220	24"	nil
93	Altered sediments - quartz stringers.	223-225	24"	nil
94	Altered sediments - quartz stringers.	227½-230	30"	nil
95	Coarse rhyolite - little pyrrhotite.	237½-240	30"	nil
96	Dark altered sediment. Little fine arsenopyrite. Muscovite on fractures.	242½-245	30"	nil
97	Altered grey sediment with occasional quartz stringers.	262½-265	30"	nil
98	Breccia zone.	265-267½	30"	nil
99	Ditto.	267½-270	30"	nil
33300	Ditto.	270-272½	30"	nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-45 Page 2.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33101	Ditto.	272½-275	30"		0.70
33434	Silicified fractured grey sediment and greywacke.	275-278	36"		2.10
33102	Banded dark sediment with fine pyrite.	278-280	24"		7.00
03	Fractured sediment with quartz stringers.	280-282½	30"		1.05
04	Ditto.	282½-285	30"		1.40
05	Rhyolite.	285-287½	30"		1.75
06	Ditto.	287½-290	30"		2.10
07	Ditto.	290-292½	30"		2.45
08	Ditto.	292½-295	30"		0.35
09	Ditto/	295-297½	30"		1.40
10	Ditto.	297½-300	30"		0.70
11	Rhyolite.	300-302	24"		1.05
12	Ditto.	302-304	24"		0.70
13	Rhyolite.	305-308	24"		nil
14	Ditto.	308-310	24"		nil
15	Ditto.	310-312½	30"		nil
16	Altered sediment and quartz veining.	312½-315	30"		nil
0 - 5	Casing.				
5 - 27	Tuff (sediment?) Massive green at start of section. ~~Banded xfmx at start of section.~~ Banded after 16' with green and brown bands from 23' to 25' and a garnetiferous band from 25'-26'. Hard, dark and very dense in sections.				
27 - 51½	Dense, slightly silicifaed grey to dark sediment. Very blocky as compared to previous core. 35-36½ - Ground. Occasional quartz stringers.				
51½- 60	Green and bluish grey to dark banded tuff? sediment? Siliceous - little fine pyrite.				
60 - 77	Very dark dense silicified sediment. Occasional bluish quartz stringers. Little pyrrhotite on bedding planes. 64-65 - Ground. 65½-66- Ground 68-69 - Ground. 65-67½- Ground. Green and dark banded garnetiferous.				
77 - 114	Green and brown "lenticular" banded grading to grey with minor green bands. 86-93 Fracturing with white quartz veining. Little pyrite. 103' -2" white quartz.				
114 - 125'4	Grey and cherty sediments altered and silicified. Little fine pyrite and pyrrhotite. Occasional quartz stringers. Some coarse arsenopyrite.				
25'4-130'6	Dyke. Dark green granular with little pyrite.				
30'6-136'6	Altered sediment intruded by rhyolite - Well mineralized with fine pyrite. Little arsenopyrite and pyrite. Fracturing with white quartz veining at contacts.				
36'6-152	Grey to dark silicified sediment with occasional quartz stringers.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-45, Page 3.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	Little pyrite and pyrrhotite. Minor cherty green bands. 148'3-149, 150'3-151'10 Ground.				
152 - 175	Generally fine grey sediments slightly silicified. Occasional quarts stringers. 159'6 - fracture with quartz and hematite (very soft - cinnibar?) Fair pyrite mineralization. 172-175 - Rhyolite - slight fracturing with bluish quartz and little pyrite.				
175 - 186	Breccia zone in sediments. 30-40% white quartz veining. Good massive pyrrhotite mineralization, little pyrite. Muscovite on fractures.				
186 - 208	Grey to dark sediment, slightly silicified in sections. Little scattered pyrite.				
208 - 210'4	Highly silicious zone - blue and white quartz stringers. Little fine arsenopyrite.				
210'4 - 218'6	Altered dark sediment, silicified and with occasional zones of rhyolite				
218'6 - 243	Mainly crushed or "Rolled" Rhyolite with gradational contacts. 218'6 - 218'9 White quartz veining. 220 - 224 Altered sediments with quartz stringers. 224-227½ Rhyolite. 227½ - 237 Altered sediments. 237 - 243 Rhyolite - little pyrrhotite.				
243 - 264	Dark altered sediments. Little fine arsenopyrite in first 3 feet. White quartz veining at 247½ feet. Scattered narrow bluish quartz stringers. Fractures with muscovite, white quartz and pyrite. 260-262.				
264 - 275	Breccia zone in highly altered sediment. Considerable white quartz veining and fair pyrrhotite mineralization.				
275 - 278	Fairly massive dark sediment. Fractured with quartz, muscovite and pyrrhotite filling.				
278 - 285	Altered sediment, fractured and silicified. Fairly well banded in first 2 feet with fine pyrite.				
285 - 312½	Rhyolite. A few sections probably very altered sediments. Fair "old" Fracturing with fine pyrrhotite and pyrite mineralization and many small segregations of muscovite. 304-306 Medium grained dyke.				
312½ - 313	White quartz veining. Biotite in fractures.				
313 - 323½	Silicified altered, fractured sediments with quartz stringers. Some pyrrhotite and muscovite. Few garnets at 323'.				
323½ - 339	Green and dark banded sediment grading to green and brown at 330'.				
	End of hole 339'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

HASAGA

Hole No. D.D. E-46 ..... Koval-Ohman Option

Logged by J.C.S.

Place . Surface .... Location. 4492.4N 6729.2E ..... Direction N22W ..... Date .....

Elevation 5009.5

Dip 0' -55° 200' -49° 330' -44°

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
33138	Silicious grey sediment. Little pyrite	55'10-58	26"		nil
39	Dyke. Little pyrite. Whole core.	100-102½	30"		nil
40	Slightly silicified dark grey sediment. Little pyrite.	141-143	24"		nil
41	Dark slightly silicified sediment.	150-151'9"	21"		nil
42	Slightly fractured rhyolite. Blue quartz stringers. Fragments of sediment.	151'9"-153	15"		1.05
43	Porphryitic rhyolite slightly fractured. Little pyrite.	153-155	24"		1.05
44	Ditt. Quartz stringers. Little better fracturing.	155-157½	30"		1.40
45	Ditto.	157½-160	30"		1.40
46	Ditto.	160-162½	30"		2.45
47	Ditto. with remnents of sediments.	162½-165	30"		4.20
48	Porphrytic rhyolite.	165-167½	30"		10.50
49	Ditto.	167½-170	30"		5.25
50	Ditto.	170-172	24"		9.80
51	Contact zone. Dark sediment.	172-174'3"	27"		nil
52	Slightly Fractured grey sheared sediment. White quartz stringers. Little pyrite. and muscovite. 6" fractured quartz.	216-218'3"	27"		nil
53	Dark altered sediment. (rhyolite?) Blue quartz stringers, fair pyrite.				
54	Greenish granitized rock. Fair pyrite.	262-264½	30"		nil
55	Contact zone. Dense rhyolite.	278-280	24"		0.70
56	Fractured rhyolite. Quartz stringers fair pyrite.	286-288½	30"		3.85
57	Contorted sediments. Slightly silicified	301-303	24"		0.70
58	Contorted sediments. Chloritic bands. Garnets. Little arsenopyrite.	303-305	24"		nil
59	Brown and green banded sediments.	312½-315	30"		nil
60	Fractured contact zone. White quartz. veining. Coarse pyrite, pyrrotite and arsenopyrite	320-322	24"		8.75
0-7½	Casing				
7½-49	Dyke. Dark green medium grained with pyrite mineralization. 13-17 Ground 28½- 3" silicified sediment (fragment?)				
49-63	Dark, fine, slightly silicified sediment grading to grey at 56'. Little pyrite and slightly fracturing. 54½ - 3" dyke 62' - 6" dyke				
63-126'9"	Dyke as before. Some massive pyrite. Segregations and/or partially digested fragments in sections. (see specimens)				
129'6"-136	Sediment - dark grey and brown with irregular small carbonate banding.				

PICKLE CROW GOLD MINES LTD,

DIAMOND DRILL REPORT,

HASAGA

Koval-Chamn Option.

Hole No. D.D. E-46 ..... Logged by J.C.S.

Place Surface Location 4492.4N 6729.2E Direction N22W Date .....

Elevation 5009.5

Dip: 0' -55° 200' -49° 330' -44°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33138	Siliceous grey sediment. Little pyrite	55'10-58	26"		nil
39	Dyke. Little pyrite. Whole core.	100-102½	30"		nil
40	Slightly silicified dark grey sediment. Little pyrite.	141-143	24"		nil
41	Dark slightly silicified sediment.	150-151'9	21"		nil
42	Slightly fractured rhyolite. Blue quartz stringers. Fragments of sediment.	151'9-153	15"		1.05
43	Porphryitic rhyolite slightly fractured. Little pyrite.	153-155	24"		1.05
44	Ditt. Quartz stringers. Little better fracturing.	155-157½	30"		1.40
45	Ditto.	157½-160	30"		1.40
46	Ditto.	160-162½	30"		2.45
47	Ditto, with remnents of sediments.	162½-165	30"		4.20
48	Porphrytic rhyolite.	165-167½	30"		10.50
49	Ditto.	167½-170	30"		5.25
50	Ditto.	170-172	24"		9.80
51	Contact zone. Dark sediment.	172-174'3	27"		nil
52	Slightly fractured grey sheared sediment White quartx stringers. Little pyrite and muscovite. 6" fractured quartz.	216-218'3	27"		nil
53	Dark altered sediment. (rhyolite?) Blue quartz stringers, fair pyrite.				
54	Greenish granitized rock. Fair pyrite.	262-264½	30"		nil
55	Contact zone. Dense rhyolite.	278-280	24"		0.70
56	Fractured rhyolite. Quartz stringers fair pyrite.	286-288½	30"		3.85
57	Contorted sediments. Slightly silicified.	301-303	24"		0.70
58	Contorted sediments. Chloritic bands. Garnets. Little arsenopyrite.	303-305	24"		nil
59	Brown and green banded sediments.	312½-315	30"		nil
60	Fractured contact zone. White quartz veining. Coarse pyrite, pyrrhotite and arsenopyrite.	320-322	24"		8.75
0 - 7½	Casing.				
7½ - 49	Dyke. Dark green medium grained with pyrite mineralization. 13-17 Ground. 28½ -3" silicified sediment (fragment?)				
49 - 63	Dark, fine, slightly silicified sediment grading to grey at 56'. Little pyrite and slightly fracturing. 54½ -3" dyke 62' -6" dyke.				
63 - 126'9	Dyke as before. Some massive pyrite. Segregations and/or partially digested fragments in sections. (see specimens)				
129'6 - 136	Sediment - dark grey and brown with irregular small carbonate banding.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. E-46

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
136-138½	Dyke				
138½-140	Sediment as 126-136				
140-141	Dyke				
141-146	Sediment as 126-136 with occasional quartz stringers. Some sections with fair pyrite mineralization.				
146-150	Sediment, darker with considerable fracturing and white quartz veining. Little pyrite.				
150-152	Sediment, silicified.				
152-172	Rhyolite. South contact porphyritic and first foot or so containing fragments of sediments. Bluish with some 'old' fracturing and some white quartz veining. Little pyrite mineralization. Remnents of sediment from 163-165				
172-174'3"	Dark sediment.				
174'3"-175	Dyke				
175-191	Dark grey sediment with some fracturing and white quartz veining, A very little pyrite. 178 - 3" white quartz vein.				
191-238½	Grey sheared slicified sediment with little pyrite. Section near 212' possibly sheared rhyolite with feldspar phenocrysts. Occasional quartz stringers throughout. 217½-218 - 6" fractured white quartz. 220-225 Darker sediment.				
238½-248½	More highly slicified sediments with narrow quartz stringers, little fracturing and little pyrite mineralization. Last foot better mineral ized and bordering on a rhyolite in appearance. 4" ground at 243½.				
248½-258	Dyke. Similar to previous ones, Some pyrite 253½-254½ Ground. Last 3 feet broken up. Fractured vuggy leached appearance.				
258-264½	Greenish hard rock. Fractured considerable feldspar. First few inches badly broken but has appearance of recemented rock fragments or gouge.Rock fractured with some open spaces and quartz crystals on faces. Some pyrite mineralization in places, Fault zone?.				
264½-278½	Dark sediment somewhat silicified. Little fracturing with occasional quartz stringers and little muscovite. Little pyrite mineralization. 272½ - 6" granitized sediment? zone.				
278½-288½	Silicious, purpplish coloured dense, porphyritic rock with feldspar phenocrysts. Probably rhyolite flows. 283½-285 Greenish silicious material - flow top or border? sheared in appearance. 287-288½ Fair pyrite in seams and fractures.				
288½-304	Breccia zone in dark sediment with considerable distortion, fracturin and white quartz veining. Slips at 298½ showing truncation of bedding and white quartz injection. Some beds garnetiferous. Little silicification sections and pyrite mineralization.				
304-320	Brown and minor green banded sediment with pyrrhotite.				
320-321½	Fracture zone. 320'9"-321'6" White quartz contacts fractured with massive pyrrhotite.				

PICKLE CROW GOLD MINES LTD,

DIAMOND DRILL REPORT,

Hole No. D.D. E-46 Page 2.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
136 - 138½	Dyke.				
138½ - 140	Sediment as 126-136.				
140 - 141	Dyke.				
141 - 146	Sediment as 126-136 with occasional quartz stringers. Some sections with fair pyrite mineralization.				
146 - 150	Sediment, darker with considerable fracturing and white quartz veining. Little pyrite.				
150 - 152	Sediment, silicified.				
152 - 172	Rhyolite. South contact porphryitic and first foot or so containing fragments of sediments. Bluish with some 'old' fracturing and some white quartz veining. Little pyrite mineralization. Remnents of sediment from 163-165.				
172 - 174'3	Dark sediment.				
174'3 - 175	Dyke.				
175 - 191	Dark grey sediment with some fracturing and white quartz veining. A very little pyrite. 178 ±3" white quartz vein.				
191 - 238½	Grey sheared silicified sediment with little pyrite. Section near 212' possibly sheared rhyolite with feldspar phenocrysts. Occasional quartz stringers throughout. 217½-218 6" fractured white quartz. 220 - 225 Darker sediment.				
238½ -248½	More highly silicified sediments with narrow quartz stringers, little fracturing and little pyrite mineralization. Last foot better mineralized and bordering on a rhyolite in appearance. 4" ground at 243½.				
248½ - 258	Dyke. similar to previous ones. Some pyrite. 253½-254½ Ground. Last 3 feet broken up. Fractured vuggy leached appearance.				
258 - 264½	Greenish hard rock. Fractured considerable feldspar. First few inches badly broken but has appearance of recemented rock fragments or gouge. Rock fractured with some open spaces and quartz crystals on faces. Some pyrite mineralization in places. Fault zone?				
264½ - 278½	Dark sediment somewhat silicified. Little fracturing with occasional quartz stringers and little muscovite. Little pyrite mineralization. 272½ -6" granitized sediment? zone.				
278½ - 288½	Silicious, purplish colored dense, porhpritic rock with feldspar phenocrysts. Probably rhyolite flows. 283½-285 Greenish silicious material - flow top or border? sheared appearance. 287-288½ Fair pyrite in seams and fractures.				
288½ - 304	Breccia zone in dark sediment with considerable distortion, fracturing and white quartz veining. Slips at 298½ showing truncation of bedding and white quartz injection. Some beds garnetiferous. Little silicification sections and pyrite mineralization.				
304 - 320	Brown and minor green banded sediment with pyrrhotite.				
320 - 321½	Fracture zone. 320'9 - 321'6 White quartz contacts fractured with massive pyrrhotite				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. E-46 Page 3.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	pyrite and arsenopyrite mineralization.				
321½ - 336	Dark to brown and green banded sediment. First 2 feet garnetiferous. 327-328 Sheared grey sediment. 328-331½ Slightly silicified sediment.				
	End of hole 336'				
33616	Rhyolite,	280-282	24"		2.80
17	Ditto.	282-284	24"		1.75
18	Ditto.	284-286	24"		0.70
19	Contorted dark and grey tuff?	288½-291	30"		nil
20	Ditto, fair pyrite.	291-293	24"		nil
21	Ditto.	293-295	24"		0.70
22	Ditto.	295-297½	30"		nil
23	Ditto.	297½-300	30"		nil
24	Dark minor green banded tuff.	318-320	24"		nil
25	Garnetiferous band some pyrite.	322-323	12"		nil
26	Many grey silicious bands. Some pyrite.	323-325	24"		0.70
27	Many grey silicified bands. Good pyrite.	328-330	24"		1.05
28	Ditto.	330-332	24"		nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. E-50..

Place Surface.. Location ..... Direction ..... Date .....

Dip: 0' -65° 100' -58° 295' -45°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33757	Quartzitic band with little pyrite.	22-24	24"		0.35
73	Fractured light colored rhyolite with massive pyrrhotite.	466½-467'4"	10"		nil
74	Light colored rhyolite- fractured with white quartz and pyrrhotite.	469-470'8"	20"		nil
75	Rhyolite entruded green and dark banded rock.	482½-485	30"		nil
76	Highly silicified - little pyrite and arsenopyrite.	496-498	24"		nil
77	Green and dark with massive pyrrhotite.	511-513	24"		nil
78	Brownish grey sediment with fine pyrrhotite.	533-535	24"		nil
79	Altered grey sediment.	600-602	24"		nil
80	Ditto	602-604	24"		1.40
81	Slightly fractured rhyolite. Very little mineralization.	604-606	24"		2.45
82	Fractured rhyolite with sediment remnants. Little mineralization.	606-608	24"		0.70
83	Ditto	608-610	24"		0.70
84	Ditto	610-612½	30"		1.05
85	Ditto	612½-615	30"		nil
86	Ditto	615-617	24"		4.55
87	Quartz veining, banded rhyolite, Arsenopyrite and pyrrhotite mineralization.	617-618	12"		nil
88	Highly altered sediment.	618-619½	18"		nil
89	Rhyloite	619½-621	18"		0.70
90	Fractured sheared rhyolite with fine pyrite	628½-630	18"		nil
91	Sheared rhyolite.	647½-650	30"		nil
92	Highly altered sediment? and sheared rhyolite.	650-652½	30"		0.70
93	Sheared rhyolite - some pyrite.	652½-655	30"		0.70
94	Ditto	655-657½	30"		nil
95	Ditto - finer grained, little pyrrhotite, narrow quartz veining.	657½-660	30"		nil
96	Sheared rhyolite -(altered sediment?) Little pyrite.	665-667½	30"		nil
97	Fractured green and dark tuff? Quartz veining and pyrrhotite.	704-706	24"		0.35
98	Altered dark grey sediment. Some quartz veining.	716-718	24"		0.35
99	Ditto - less fracturing.	718-720	24"		nil
33800	Grey sediment.	720-722½	30"		0.70
01	Ditto	722½-725	30"		nil
02	Ditto	725-727½	30"		nil
03	Ditto Little more alteration.	727½-730	30"		nil
04	Ditto	730-732½	30"		nil
05	Ditto	732½-735	30"		nil

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. A-50..

Place Surface.. Location ..... Direction ..... Date ....

Dip:

Sample No.	Description	Footage	Width	Ass. Oz. Value
0-12	Casing.			
17-210½	Grey well banded sometimes siliceous sediment. Some green bands and green and brown poorly bedded sections. 22-24 Dark grey siliceous- quartzitic band-with little pyrite. 37- Little fracturing and quartz veining. 59-60 Light siliceous bands. 100-118 Fairly dark sediment with pyrite on fractures. 109-110 Ground. 122½ 3" white quartz vein. 126-128 Breccia zone. 136-137½ Dyke 146½-148½ Dyke. 198-200 Fractured with white quartz veining.			
210½-214½	Fine grained green with minor brown bands - tuff? Last contact fractured with little white quartz veining.			
214½-224	Grey sediment.			
224-226	Amphibolitic green band.-fractured.-white quartz veining.			
226-270	Generally grey well banded sediment with some minor brown and green banding. Occasional bluish quartz vein. Little pyrite and pyrrhotite on slips.			
270-276	Dark slaty sediment. 271-272 Dyke. 273'8"-274'10" Dyke.			
276-277	Light very siliceous band.			
277-302½	Generally light grey well banded sediment with little fracturing and occasional quartz stringers; dark and slaty at end of section. 284-285 Dyke. 289½-291½ Cherty yellow green alterations - fractured with quartz stringers - coarse pyrite and pyrrhotite.			
302½-310	Green poorly banded amphibolitic tuff?			
310-324	Grey slaty well banded, sometimes contorted sediment with considerable pyrite on slips and fractures. 311-313½ Ground. 313½-314 Dyke. 315'4"-317½ Dyke.			
324-365	Light to dark green slightly fractured tuff. Some sections fragmental? 333-335 Dyke. 343-347 Considerable quartz veining.			
365-374	Grades from very dark green poorly banded to dark grey and slaty sediment with some pyrrhotite on fractures.			
374-385	Green and brown banded grades to green amphibolitic and then to green and grey poorly banded sediment?.			
385-388½	Dark grey sediment.			
488½-455	Coarse green amphibolitic tuff? Little fracturing with quartz and quartz carbonate. Some pyrrhotite mineralization-sometimes in narrow massive stringers. Some sections bluish green fine grained-possibly somewhat silicified. 450-451 Grey slaty sediment.			

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. E-50

Place Surface. Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
455-456	Grey slaty sediment-fractured with quartz stringers.				
456-462	Green and brown to green amphibolitic tuff? Fairly well banded.				
462-466½	Dark to green and brown banded sediment?				
466½-467'4"	Light siliceous well banded rhyolite. Fractured with white quartz veining and massive pyrrhotite.				
467'4"-469	Green and dark fairly well banded sediment - fractured and contorted with white quartz veining.				
469-470'8"	Light blue grey rhyolite, fractured with white quartz veining and pyrrhotite mineralization.				
470'8"-477	Green and dark sediment? grading to massive green amphibolitic tuff? Some garnetiferous bands.				
477-488	Green and dark "lenticular" banded intruded by rhyolite (60% rhyolite)				
488-500	Very highly silicified rock with little fine pyrite and coarse arsenopyrite. Probably once a green and grey sediment.				
500-511	Green and grey to green and brown fairly well banded and well silicified. Some pyrrhotite on bedding planes.				
511-513	Green and dark banded with massive pyrrhotite mineralization.				
513-521	Grey to dark slaty sediment. Little fracturing.				
521-530	Generally green and brown sometimes garnetiferous fairly well banded.				
530-536	Brownish grey well bedded sediment with fine pyrrhotite mineralization.				
536-550	Green and brown to green and dark fine to coarse "lenticular" or irregularly banded tuff? Some fracturing with white quartz veining. Little pyrrhotite from 545-550.				
550-587	Green and grey to green and brown "lenticular" banded.				
587-604	Grey sediment becoming progressively more silicified and altered Last 2 feet may be rhyolite.				
604-621	Rhyolite fairly well fractured with some white quartz veining. Some sections fairly well mineralized with fine pyrite and pyrrhotite. Numerous sediment remnants. 617-617½ - White quartz veining - fair pyrrhotite. 617½-618 - Well banded sediment? rhyolite? with coarse arsenopyrite. 618-619½ - Highly altered sediment.				
621-627	Brown sediment, "lenticular" banding at end of section.				
627-650	Grey altered sediment and sheared rhyolite with some fracturing. 629-630 - Fractured sheared rhyolite well mineralized with fine pyrite. 630-630'10" Dyke. 645½-646½ Dyke? or altered granite and dark tuff?				
650-671	Rhyolite and sheared rhyolite- some parts, especially last few feet may be highly altered sediments. Some pyrite mineralization and little fracturing with white quartz veining.				
671-675	Green and brown banded.				
675-682	Green and dark banded some fracturing. Little pyrite in last half foot.				
682-716	Green and grey to green and dark banded tuff? Banding less distinct in last six feet. 685½-687 Dyke. 692-694 - Ground. 704-706 - Darker-fractured with quartz veining and massive pyrrhotite				

KIRKLAND CROWN GOLD MINES LTD.

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. F-50

Place Surface. Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz. Value
716-735	Grey highly altered and silicified sediment. Little pyrite and massiv pyrrhotite.			
735-755	Green and brown banded. Some garnetiferous bands.			
	748-749 Dyke.			
	755 End of Core.			
	3 feet core in hole.			
	Bottom of Hole 758'.			

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

HASAGA
Koval-Ohman Option

Hole No. D.D. E-62

Place ..... Location ..... Direction ..... Date .....

Brg. 523 E. -30°

Sample No.	Description	Footage	Width	Assay Oz. Value
33758	Grey coarse set sed. Rusty fractures little pyrite	0-2½	30"	Nil
59	ditto	2½-5	30"	"
60	ditto	5-8	36"	"
61	ditto	8-11	36"	"
62	Green & dark banded little facturing with bluish quartz	19-21	24"	"
63	Green & Brown to dark irregularly banded. Little massive pyrr.	36-38	24"	"
64	Grey sed. with green bands and massive min.	48-50	24"	"
65	Green & Brown banded with massive pyrr. & arseno str.	51-52	12"	"
66	Slightly sil. grey sed. with massive very fine pyr. & pyrr.	66-68	24"	"
67	ditto well fractured with bluish qtz. vicinity	68-70	24"	"
68	ditto less qtz. more massive min.	70-72½	30"	"
69	ditto considerable white qtz.	72½-76	42"	"
70	green and dark banded with good coarse arseno	87-89	24"	"
71	ditto much less mine	89-90½	18"	"
72	sheared carbonetized green & dark with little pyrr. and chalco	95-96½	18"	"

0 - 11	Light grey silicious sediment pyrite on fractures.
11 - 21	Green & dark poorly banded tuff with little fracturing
21 - 25	Dyke
25 - 45	Green & dark on brown banded. Narrow irregular bands little fracturing 26½ - 3" dyke, 40 - 41'9" dyke.
45 - 50	Rather coarse grey sediment with massive green amphibolitic bands up to 6". Massive pyr. & pyrr min. up to ½"
50 - 66	Massive green amphibolitic with minor brown and grey bands and massive pyr. & pyrr.
66 - 76	Generally grey sed. becoming well fractured and somewhat silicified after 68' considerable qtz. veining with massive pyr. & pyrr. min.
76 - 83	Coarse appearing poorly banded grey sed. With a little massive pyrr.
83 - 87	Green & dark grey "lenticular" banded
87 - 90½	Coarser green amphibolitic bands with minor dark banding, tuff. with coarse arseno & little pyrr.
90½-117½	Green (sometimes amphibolitic) and minor dark banded. Sheared and carbonatized appearance with narrow qtz & qtz. carb. str. Banding more pronounced in last half of section. Little pyrr. & chalco min. near 95'.
117½-125	Dark green & blush green (carbonatized) banded. Slightly more siliciou and massive in appearance.

125' End of Hole

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

HAGAGA
Koval-Ohman Option

Hole No. D.D. E-63..

N.5098.09
Place .... Location E.7673.55 Elev.4993.02 Direction Brg.N.22W. (x-ray) Date ....

Dip 0' - 30°

Sample No.	Description	Footage	Width	Ass. Oz.	Ass. Value
33894	Light sil. sed. pyr. min.	31-31½	6"		Nil
95	Ditto	32'3"-33"	9"		"
96	Ditto	33½"-35"	18"		"
97	Ditto	35½"-37½"	24"		0.70
98	Ditto little arseno	37½"-40"	30"		Nil
99	Darker grey sed.	40"-42'2"	26"		0.35
900	Ditto	43'4"-45'	20"		0.70
01	Ditto	45"-47½	30"		2.80
02	Ditto	47½-50	20"		Nil
33880	Grey sil. sed.	50 -53	36"		1.40
81	Sil. grey sed. reddish weathering	53 -55	24"		4.20
82	Reddish weathered sil. sed.or rhy.	56½-58	18"		1.40
83	Ditto	58 -60	24"		2.10
84	Ditto	60 -62½	30"		3.50
85	Grey rhy little pyr.	67'10-70	26"		2.80
86	Ditto	70 -72½	30"		1.75
87	Ditto	72½-75	30"		1.75
88	Ditto	75 -77½	30"		2.45
89	Ditto	77½-80	30"		1.05
90	Ditto	80 -81½	18"		1.75
91	Ditto	81½-83	18"		2.10
92	Ditto	84 -86	24"		2.45
93	Ditto	86 -88	24"		1.40

0 - 8 Casing
8 - 27 Green & grey banded - grey bands bluish & silicified
27 - 53 Grey sed. with some light cherty bands.
28 - 29½ ground
30 - 31 "
31½-32'3" "
33 - 33½ "
35 - 35½ "
42½-43¼ "
core bamdly broken with many rusty seams
29½- 30 silicified with good pyr.
33½- 35 cherty with pyr. on fractures
36 - 39 light cherty bands
40 - 53 darker grey with little pyr & pyrr.
53 - 63 Silicified sed. rhy. finet grained and reddish in color from weathering of humatile core broken 55 - 56½ ground
62½- 64 Ground
64 - 67'10" Dyke little arseno on north contact
67'10"-88 Grey rhy. fair fracturing sparce pyrite 83 - 84 ground

End of Hole 88

[redacted]

DIAMOND DRILL REPORT.

HASAGA

Koval-Ohman Option

Hole No. D.D. F-64..

Place Surface... Location ..... Direction ..... Date .....

Dip: 0' -65° 200' -52° 475' -43°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33829	Sheared rhyolite type: Very little pyrite.	258-260	24"		nil
30	Altered grey sediment with bands of fractured rhyolite. Fair pyrrhotite and arsenopyrite.	344-346	24"		nil
31	Fairly well fractured altered sediment.	346-347½	18"		nil
32	Silicified grey sediment with bluish quartz stringers. Little fine arsenopyrite.	350-352½	30"		nil
33	Ditto	352½-355	30"		nil
34	Silicified grey sediment with coarse arsenopyrite associated with quartz stringers.	373-375	24"		nil
35	Dark grey silicified sediment minor fracturing and little pyrrhotite.	387½-390	30"		nil
36	Altered dark grey sediment. Little pyrite and arsenopyrite.	418-420	24"		1.40
37	Ditto - coarse arsenopyrite.	420-422	24"		nil
38	Ditto - less mineralization and fracturing.	422-423'8"	20"		nil
39	"Rolled Rhyolite" fractures mineralized with pyrrhotite and pyrite.	426½-428½	24"		1.40
40	Ditto, few quartz stringers.	428½-430½	24"		1.05
41	Ditto, better fracturing.	430½-432½	24"		0.70
42	"Rolled rhyolite" fair fracturing little pyrite.	434'8"-437	28"		1.75
43	Ditto	437-439	24"		2.10
44	Ditto, little arsenopyrite.	439-440½	18"		2.10
45	Altered sediment. Fair fracturing and little mineralization - mainly arsenopyrite.	440½-442½	24"		1.05
46	Ditto	442½-444½	24"		0.70
47	Altered sediment with bands of "rolled rhyolite". Little mineralization.	444½-447	30"		0.35
48	"Rolled rhyolite".	447-450	36"		1.05
49	Dark silicified grey sediment. Little arsenopyrite.	450-452'10"	34"		nil
50	Dark grey altered sediment.	454'4"-456½	26"		nil
51	Quartz stringers in contorted sediment.	456½-458½	24"		1.75
52	Altered dark grey sediment.	458½-460	18"		nil
53	Ditto, little arsenopyrite	460-462	24"		nil
54	Well fractured and mineralized fine blue grey rhyolite	462-463'3"	15"		3.50
55	Silicified grey rhyolite? sediment? Very little mineralization-mainly arsenopyrite	463'3"-465	21"		nil

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. K-64..

Place Surface... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
33856	Silicified grey rhyolite? sediment? Very little mineralization-mainly arsenopyrite.	465-467½	30"		2.10
57	Ditto	467½-469½	24"		4.90
58	Fine rhyolite and fractured contact zone all well mineralized.	469½-471½	24"		3.85
59	Intruded green and dark tuff? with fair arsenopyrite.	471½-474	30"		nil
0-4	Casing.				
4-8	Grey well banded sediment.				
8-8½	Broken core. Quartz fragment.				
8½-9¼	Fractured quartz diorite dyke with ½" quartz vein. 1½" dark fractured band along last contact of dyke. Fragment caught up in quartz.				
9¼-11	Grey siliceous sediment.				
11-14½	Ground.				
14½-27	Grey sediment usually siliceous but slaty in last 3 feet. 19-19'10", and 22-24 Quartz diorite? dykes slifhtly sheared.				
27-37	Sheared amphibolitic tuff. Some fracturing with quartz stringers				
37-44'4"	Grey slaty sediment somewhat contorted and fractured with pyrite on fractures. 42-53'9" Ground.				
44'4"-46	Green and brown banded - amphibolitic in part.				
46-49½	Grey slaty sediment.				
49½-98	Green sheared fractured and carbonatized tuff? Light in color due to quartz carbonate. 54-56 - Ground. 71½-72'4"; 79-80½, 98-101½ Dykes.				
101½-118	Fine grained carbonatized tuff? Grading through green sheared amphibolitic bands to grey slaty sediment with pyrite on fractures and bedding planes.				
118-140	Dark green (amphibolitic in part) tuff? with some slightly sheared sections.				
140-145½	Grey somewhat siliceous sediment. Some fracturing with quartz veining and minor pyrrhotite mineralization.				
145½-148½	Green amphibolitic tuff? Well banded and sheared at and of section with quartz eyes. 147'10"-148'3" - Quartz vein.				
149½-187	Green and dark fine banded slightly sheared tuff? sediment? at contact of dykes changing at 150' to dense green to bluish green tuff? with occasional brown bands to 160' after 160 becoming very dense fine grained to cherty with minor fracturing. 184-185 - Introduction of feldspar apparently fromlongitudinal slip or fracture.				
187-195	More normal light green slightly sheared tuff?				
195-202	Brown and green fairly well banded sediment with some cherty brown bands.				

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. E-64..

Place Surface... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
202-210	Green sometimes amphibolitic tuff? Little fracturing with quartz stringers.				
210-229	Greenish to grey to blue green dinse sediment? tuff? Some sections fairly well banded. Fair fracturing with quartz stringers. Pyrite on slips and fractures.				
229-236	Dyke.				
236-253	Generally green and dark bandes with some grey and green sediment near middle of sedtion. Little shearing.				
253-271	Grey altered sediment (sheared rhyolite type) with minor fracturing. A very little fine pyrite in places.				
271-287'4"	Generally dark grey siliceous sediment with some minor green bands. Cores badly broken in places. 274½-275, 275½-276'3", 283-284½ ground core. Remnants of dyke between 284½ and 285. Last 3 feet of section appear silicified.				
287'4"-288	Dyke.				
288-291	Light grey slaty sediment.				
291-292	Dyke.				
292-322	Grey sediment grading to brown and green "lenticular" banded 2" garnetiferous band at 293'.				
322-375	Grey sheared seddment becoming more silicified and altered after 328'. Little fracturing with quartz stringers. Little pyrrhotite mineralization and some muscovite. 339-341 - Dark and green garnetiferous. 342½-344'3" - Dyke - sheared micaceous. 344'3"-344'10" - Light porphyritic rhyolite fractured with white quartz veining little arsenopyrite. 3" light colored rhyolite with fair pyrrhotite at 346. Some pyrite, pyrrhotite and arsenopyrite mineralization, especially after 355'. 370⅓-371 Dyke.				
375-423⅓	Darker grey finely banded silicified sediment. Grading to "sheared rhyolite" type in short sections. Some fracturing with white quartz veining throughout but especially from 318-323. Some sections mineralized with fine pyrite. Little pyrrhotite and coarse arsenopyrite associated with fractured zones and quartz veining.				
423⅓-426⅓	Lamprophyre dyke cut by band of "rolled rhyolite" at 426.				
426⅓-450	"Rolled rhyolite" similar to 322' in E-35. Fairly well fractured with white to bluish quartz stringers. Fair pyrite little pyrrhotite and very little spotty arsenopyrite associated with fracturing. Some sections altered sediment as from 435-440. 432½-434'8" - Lamprophyre dyke. Contacts irregular & cutting core at flat angle.				
450-462	Altered dark grey sediment Fairly well fractured and intruded by quartz stringers. Little arsenopyrite mineralization. 456⅓-458⅓ Stockwork of quartz stringers following contortions in sediment. 452'10" - 454'4" - Lamprophyre dyke.				
462-463	Fine blue grey rhyolite well fractured and mineralized with pyrite				

~~BICKLE-SEAGRAM GOLD MINES LTD.~~

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. .F-64...

Piece Surface... Location ..... Direction ..... Date ..... .

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	and pyrrhotite - sharp contacts.				
463-469½	Grey rhyolite? silicified quartzitic sediment? Only slightly fractured and with very little mineral - mainly arsenopyrite. First 2" well fractured and mineralized similar to preceding rhyolite.				
469½-470½	Fine rhyolite - fairly sharp contacts - well mineralized pyrrhotite and pyrite.				
470½-471½	Well fractured quartz intruded contact zone. Well mineralized with pyrite and pyrrhotite and arsenopyrite.				
471½-483	Green and dark banded somewhat altered - silicified with few narrow rhyolitic bands. Some arsenopyrite mineralization in silicified sections and little pyrrhotite.				
483-494	More normal dark grey sediment slightly fractured with little pyrrhotite mineralization.				
	End of Hole 494'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

HASAGA
Koval-Ohman Option

Hole No. D.D. E-65

Place Surface Location. Direction Date

Dip: 0'-60° 200' -46°

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
33806	Rhyolite with pyrite on fractures	174-176	24"		nil
07	"Sheared rhyolite"	198-200	24"		0.35
08	"Sheared rhyolite" Little pyrite.	200-202½	30"		nil
09	Ditto	202½-205	30"		1.05
10	Fractured sheared rhyolite with little chaleopyrite	212-213	12"		0.35
11	Grey silicified sediment - quartz stringers little arsenopyrite	282½-285	30"		0.35
12	Ditto - better fracturing	285-287	24"		nil
13	Some coarse arsenopyrite	287-288	12"		nil
14	Silicified grey sediment	288-290	24"		nil
15	Ditto	290-292½	30"		0.70
16	Ditto	292½-295	30"		nil
17	Ditto	295-297½	30"		nil
18	Ditto	297½-300	30"		nil
19	Highly altered sediment - sheared rhyolite fractured - white quartz veining.	312-314	24"		nil
20	Ditto - less fracturing	314-316	24"		nil
21	Ditto - more silicified appearance fine pyrite.	316-318	24"		nil
22	Altered sediment.	318-320	24"		nil
23	Coarse rolled rhyolite, fine mineralization.	320-322½	30"		0.35
24	Finer "rolled rhyolite" white quartz veining.	322½-325	30"		1.40
25	Ditto	325-327½	30"		2,80
26	"Sheared rhyolite"	327½-329	18		nil
0-9	Casing.				
9-11	Coarse dark green tuff				
11-22	Grey to dark slaty sediment with pyrite on slips and fractures.				
22-23½	Sheared dyke?				
23½-24½	Dark brown and light banded - sheared appearance.				
24½-26	Slaty sediment.				
26-26½	Dark green micaceous dyke				
26½-33	Green and brown banded sediment? with lighter more siliceous bands in last foot.				
33-39½	Massive green slightly carbonatized andesite?				
39½-42½	Bluish grey fairly dark siliceous dyke.				
42½-53	Green generally massive rock-andesite - fractured and carbonatized. Some minor brown banding.				
53-67	Similar to 42-53 but less fracturing and alteration.				
67-73	Dark green well banded tuff?				
73-77	Dark finely fractured - carbonatized sediment?				
77-83	Dyke sheared and contorted with quartz and quartz carbonate stringers. Contact at very flat angle. Hole apparently follows contact or very close to it.				

~~PICKLE CROW GOLD MINES LTD.~~

DIAMOND DRILL REPORT.

HASAGA

Koval-Ohman Option

Hole No. D.D. ~~F-65~~...

Place Surface... Location ..... Direction ..... Date ..... .

Dip: 0' -60° 200' -46°

Sample No.	Description	Footage	Width	Assay Oz. Value
33806	Rhyolite with pyrite on fractures.	174-176	24"	nil
07	"Sheared rhyolite"	198-200	24"	0.35
08	"Sheared rhyolite" Little pyrite.	200-202½	30"	nil
09	Ditto	202½-205	30"	1.05
10	Fractured sheared rhyolite with little chaleopyrite.	212-213	12"	0.35
11	Grey silicified sediment - quartz stringers little arsenopyrite.	282½-285	30"	0.35
12	Ditto - better fracturing.	285-287	24"	nil
13	Some coarse arsenopyrite.	287-288	12"	nil
14	Silicified grey sediment.	288-290	24"	nil
15	Ditto	290-292½	30"	0;70
16	Ditto	292½-295	30"	nil
17	ditto	295-297½	30"	nil
18	Ditto	297½-300	30"	nil
19	Highly altered sediment - sheared rhyolite fractured - white quartz veining.	312-314	24"	nil
20	Ditto - less fracturing	314-316	24"	nil
21	Ditto - more silicified appearance fine pyrite.	316-318	24"	nil
22	Altered sediment.	318-320	24"	nil
23	Coarse rolled rhyolite, fine mineralization.	320-322½	30"	0.35
24	Finer "rolled rhyolite" white quartz veining.	322½-325	30"	1.40
25	Ditto	325-327½	30"	2.80
26	Sheared rhyolite."	327½-329	18"	nil
0-9	Casing.			
9-11	Coarse dark green tuff?			
11-22	Grey to dark slaty sediment with pyrite on slips and fractures.			
22-23½	Sheared dyke?			
23½-24½	Dark brown and light banded - sheared appearance.			
24½-26	Slaty sediment.			
26-26½	Dark green micaceous d/yke			
26½-33	Green and brown banded sediment? with lighter more siliceous bands in last foot.			
33-39½	Massive green slightly carbonatized andesite?			
39½-42½	Bluish grey fairly dark siliceous dyke.			
42½-53	Green generally massive rock-andesitic - fractured and carbonatized. Some minor brown banding.			
53-67	Similar to 42-53 but less fracturing and alteration.			
67-73	Dark green well banded tuff?			
73-77	Dark finely fractured - carbonaceous sediment?			
77-83	Dyke sheared and contorted with quartz and quartz carbonate stringers. Contact at very flat angle. Hole apparently follows contact or very close to it.			

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. E-65

Place Surface Location. Direction Date

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
83-86	Brown and green banded - fractured with quartz carbonate stringers.				
86-93½	Massive green band with flecks and stringers of quartz and quartz carbonate.				
93½-100½	Grey sediment - light to dark in colour. Little fracturing with pyrite.				
100½-128	Dark green to blue green massive sometimes amphibolitic tuff? Little fracturing with white quartz stringers.				
128-174	Green and brown banded with some cherty bands as at 148-150. Some fracturing with white quartz stringers. 134½-137 Green micaceous dyke.				
174-176	Blue grey porphyritic rhyolite. Fractured with pyrite on slips.				
176-177	Gouge and highly sheared rock. Probable fault zone.				
177-193	Dark slaty sediment grading to green and dark banded tuff? Few garnets.				
193-217½ rhyolite	Dark grey highly silicified sediment grading to "sheared" with fine pyrite - minor fracturing. Little chaleopyrite in fracture at 213'.				
217½-225	Silicified green and grey banded sediment? with little pyrrhotite.				
225-232½	Cherty sediment grading to dark grey sediment at end of section. 226-227½ - Cherty greenish grey breccia zone.				
232½-262	Green and grey to green and brown banded tuff? "Lenticular banding"				
262-280	Grey sediment becoming progressively more altered. Little fracturing with white quartz stringers.				
280-320	Silicified grey sediment, fair fracturing with quartz stringers and veining - especially at 286'. Coarse arsenopyrite at 287. Little fine pyrite throughout. Some muscovite on fractures. General appearance of "sheared" rhyolite. 302-10" white quartz vein. 303½-305 - Cherty sediment. 310-313 - Better fracturing.				
320-322	Coarse "rolled"rhyolite - almost granitic appearance. Little fine pyrite and arsenopyrite?				
322-328	Finer "rolled" rhyolite. Some fracturing with white quartz veining.				
328-329	"Sheared" rhyolite - white quartz veining with pyrrhotite.				
	End of hole; 329'				

~~BLACKWATER CROW GOLD MINES LTD.~~

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. E-65

Place Surface Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
83-86	Brown and green banded - fractured with quartz carbonate stringers.				
86-93½	Massive green band with flecks and stringers of quartz and quartz carbonate.				
93½-100½	Grey sediment - light to dark in color. Little fracturing with pyrite.				
100½-128	Dark green to blue green massive sometimes amphibolitic tuff? Little fracturing with white quartz stringers.				
128-174	Green and brown banded with some cherty bands as at 148-150. Some fracturing with white quartz stringers. 134½-137 Green micaceous dyke.				
174-176	Blue grey porphyritic rhyolite. Fractured with pyrite on slips.				
176-177	Gouge and highly sheared rock. Probable fault zone.				
177-193	Dark slaty sediment grading to green and dark banded tuff? Few garnets.				
193-217½	Dark grey highly silicified sediment grading to "sheared" rhyolite with fine pyrite - minor fracturing. Little chaleopyrite in fracture at 213'.				
217½-225	Silicified green and grey banded sediment? with little pyrrhotite.				
225-232½	Cherty sediment grading to dark grey sediment at end of section. 226-227½ - Cherty greenish grey breccia zone.				
232½-262	Green and grey to green and brown banded tuff? "Lenticular banding".				
262-280	Grey sediment becoming progressively more altered. Little fracturing with white quartz stringers.				
280-320	Silicified grey sediment, fair fracturing with quartz stringers and veining - especially at 286'. Coarse arsenopyrite at 287. Little fine pyrite throughout. Some muscovite on fractures. General appearance of "sheared" rhyolite. 302 - 10" white quartz vein. 303½-305 - Cherty sediment. 310-312 - Better fracturing.				
320-322	Coarse "rolled" rhyolite - almost granitic appearance. Little fine pyrite and arsenopyrite?				
322-328	Finer "rolled" rhyolite. Some fracturing with white quartz veining.				
328-329	"Sheared" rhyolite - white quartz veining with pyrrhotite.				

End of Hole 329'.

PICKLE CROW GOLD MINES LTD

DIAMOND DRILL REPORT

HASAGA

Hole No. D.D. E-71 ..... Koval-Ohman Option

Place Surface ..... Location ..... Direction ..... Date .....

Dip 0' -65° 100' -62° 300' -42° 500' -39° 700' -33°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
34007	Silicified grey sediment with good pyrrhotite (Whole Core)	549-550	12"		nil
08	Silicified grey sediment finely mineralized (Whole Core)	574-575	12"		6.30
33988	Lighter siliceous band with bluish quartz stringers and massive pyrrhotite.	659½-662	30"		nil
89	White quartz vein with coarse arsenopyrite in sediment.	674-676	24"		0.35
91	Silicified sediment with fair arsenopyrite and little pyrite.	676-677½	18"		1.75
92	Silicified sediment intruded by rhyolite with little fine pyrite and arsenopyrite.	677½-680	30"		2.80
93	Ditto	680-682½	30"		nil
94	Ditto	682½-685	30"		1.75
95	Ditto	685-687½	30"		2.80
96	Ditto	687½-690	30"		nil
97	Ditto, more rhyolite.	690-692½	30"		nil
98	Ditto	692½-695	30"		nil
99	Ditto	695-697	24"		0.35
34000	Ditto, little better mineralization.	697-698	12"		4.20
01	Rhyolite fractured with quartz stringers and good fine pyrite and arsenopyrite	698-700	24"		1.40
02	Ditto	700-702	24"		2.10
03	Fine rhyolite - little mineralization	702-703½	18"		3.15
04	Ditto	703½-705	18"		1.05
05	Ditto. Fair mineralization.	705-707½	30"		nil
06	Predominantly dark sediment.	707½-710	30"		0.35
33990	Slicified dark sediment with numerous quartz stringers.	730-732½			3.50
0-5	Casing				
5-12	Green and dark fine irregularly banded sediment.				
12-24	Dark grey to light green cherty sediment with little fracturing and occasional narrow quartz stringers.				
24-98	Dark and green to grey and green sediment. Occasional quartz stringers. 40-42 - Dyke Grading to finer more siliceous grey sediment. 92-92½ - Green carbonatized shear zone?				
98-153	Sediment generally fine and well banded. Occasional quartz stringers some slaty and siliceous sections. Little pyrite and pyrrhotite generally on bedding planes. 123-132 - Considerable white quartz veining.				
153-170	Dark green massive to green and brown banded tuff? 159'8"- 160'4" - White quartz.				

~~PICKLE CROW GOLD MINES LTD.~~

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. E-71

Close Surface Location ..... Direction ..... Date .....

Dip: 0' -65° 100' -62° 300' -42° 500' -39° 700' -33°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
34007	Silicified grey sediment with good pyrrhotite. (Whole Core)	549-550	12"		nil
08	Silicified grey sediment finely mineralized. (Whole Core)	574-575	12"		6.30
33988	Lighter siliceous band with bluish quartz stringers and massive pyrrhotite.	659½-662	30"		nil
89	White quartz vein with coarse arsenopyrite in sediment.	674-676	24"		0.35
91	Silicified sediment with fair arsenopyrite and little pyrite.	676-677½	18"		1.75
92	Silicified sediment intruded by rhyolite with little fine pyrite and arsenopyrite.	677½-680	30"		2.80
93	Ditto	680-682½	30"		nil
94	Ditto	682½-685	30"		1.75
95	Ditto	685-687½	30"		2.80
96	Ditto	687½-690	30"		nil
97	Ditto, more rhyolite.	690-692½	30"		nil
98	Ditto	692½-695	30"		nil
99	Ditto	695-697	24"		0.35
34000	Ditto, little better mineralization.	697-698	12"		4.20
01	Rhyolite fractured with quartz stringers and good fine pyrite and arsenopyrite	698-700	24"		1.40
02	Ditto	700-702	24"		2.10
03	Fine rhyolite - little mineralization	702-703½	18"		3.15
04	Ditto	703½-705	18"		1.05
05	Ditto fair mineralization.	705-707½	30"		nil
06	Predominantly dark sediment.	707½-710	30"		0.35
33990	Silicified dark sediment with numerous quartz stringers.	730-732½			3.50
0-5	Casing.				
5-12	Green and dark fine irregularly banded sediment.				
12-24	Dark grey to light green cherty sediment with little fracturing and occasional narrow quartz stringers.				
24-98	Dark and green to grey and green sediment. Occasional quartz stringers. 40-42 - Dyke. Grading to finer more siliceous grey sediment. 92-92½ - Green carbonatized shear zone?				
98-153	Sediment generally fine and well banded. Occasional quartz stringers some slaty and some siliceous sections. Little pyrite and pyrrhotite generally on bedding planes. 123-132 - Considerable white quartz veining.				
153-170	Dark green massive to green and brown banded tuff? 159'8"-160'4" - White quartz.				

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. .F-71..

Place Surface... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
170-294	Fine light grey well banded to dark sediment. 188-189 - Ground. 207-208½ - Dyke. Greenish bands beciming common after 215. Pyrite on bedding planes.				
294-299	Predominantly dark green tuff? 295-296½ - Dyke.				
299-310	Grey fine sediment with pyrite on bedding planes.				
310-343	Dark green sheared tuff? Gradational contacts.				
343-350	Dark poorly banded sediment.				
350-375	Dark green sometines amphibolitic with minor brown bands. 358½-359½ - Grey sediment.				
375-465	Green to bluish green in color - generally fine grained. Occasional quartz stringers and considerable pyrrhotite mineralization up to 400'. 385-385½ - Quartz vein with tourmaline. 400-410 - Considerable quartz veining with tourmaline. 416-416½ - Quartz vein.				
465-505	Dark green sheared amphibolitic sometimes green and brown banded tuff? 487-489 - Grey rhyolite.				
505-518	Fairly well banded grey sediment with occasional quartz stringers.				
518-527	Green and grey to green and brown lenticular banded.				
527-532	Grey siliceous well banded sediment.				
532-541	Green and dark banded with few garnets - somewhat silicified.				
541-582	Grey silicified sediment generally well banded. Little pyrrhotite. mineralization especially strong from 549-550.				
582-595	Grey to brownish sheared sediment. Few garnets. Little coarse arsenopyrite.				
595-659½	Green and dark lenticular banded tuff? grading to green and grey to brownish. Last 4 feet brownish sheared sediment? 622-623'3" - Ground. 639½-640 - - Ground.				
659½-662	Somewhat more siliceous band with some light green sections. Bluish quartz stringers and massive pyrrhotite mineralization.				
662-674	Brown to dark sediment slightly sheared with carbonate flecks and stringers. Narrow white quartz veins especially in last foot wit associated coarse arsenopyrite.				
674-676	White quartz vein with coarse arsenopyrite in dark sediment on south contact.				
676-710	Dark silicified sediment intruded by rhyolite and cut by narrow quartz stringers. Little pyrite, arsenopyrite and pyrrhotite mineralization. 695-705 Predominantly rhyolite fractured and cut by narrow quartz stringers. Fair to good fine pyrite and arsenopyrite mineralization. 698-698½ - White quartz with arsenopyrite.				
710-747	Dark to brownish sheared sediment with narrow quartz stringers and some muscovite. Some silicified sections with appearance of rolled rhyolite. Little fine pyrite and pyrrhotite in some sections.				

DIAMOND DRILL REPORT.
HASAGA
Koval-Ohman Option

Hole No. D.D. ~~F-71~~...

Place Surface.. Location ..... Direction ..... Date ....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
	742-343 - Dyke.				
747-750	Dyke.				
	End of Hole 750'.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D.m. X-1 ... Koval-Ohman Option

Place ...Surface..... Location. 4970.95 N. ..... Direction S 23-30 E. Date Sept. 53

Elev. 4999.25 6973.98 E. Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
0-12.5'	Sediments	0-2½	30"		2.10
	0-9'3" Siliceous grey to brownish-	2½-5	30		7.35
	a siliceous mica schist. Finely	5-7	24		7.00
	mineralized with arsenopyrite; some	7-7½	6		1.75
	more siliceous sections have pyrite	7½-9'3"	21		nil
	and pyrrhotite. 4" quartz at 1½';	9'3"-11'	21		2.10
	6" at 7";	11-12½	18		nil
		12½-15	30		9.10
	9'3"-12'6" - Chlorite sericite schist.	15-17½	30		nil
	Good bedding 60° to core axis. All	17½-20	30		nil
	with finely disseminated arsenopyrite.	20-22½	30		nil
	A little pyrite in more siliceous bands.	22½-25	30		nil
		25-28	36		nil
12'6"-57'	Sediments quite uniform, dark almost	28-31	36		nil
	black, schistose with a few garnets	31-34	36		3.85
	up to ¼". Finely banded appearance	34-37	36		Tr.
	due to silification. Fine dissem-	37-40	36		0.70
	inated arsenopyrite throughout but	40-43	36		0.70
	amount seems to decrease with distance.	43-44	12		1.05
	43'-44' Dioritic dyke, fine to	44-47	36		nil
	medium grained.	47-50	36		nil
	40'-57' Mineralization very weak.	50-53	36		nil
		53-57	48		0.35
	End of hole 57'				
	Average value 2½-7' $7.20/4.5' or 3.9' true width.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D.^{m} X-1 Koval-Ohman Option

Place Surface Location 4970.95 N. Direction S 23-30 E. Date Sept 53.

Elev 4999.25 6973.98 E. Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
0-12.5'	Sediments.	0-2½	30"		2.10
	0-9'3" Siliceous grey to brownish- a siliceous mica schist. Finely mineralized with arsenopyrite; some more siliceous sections have pyrite and pyrrhotite. 4" quartz at 1½'; 6" at 7';	2½-5	30		7.35
		5-7	24		7.00
		7-7½	6		1.75
		7½-9'3"	21		nil
		9'3"-11'	21		2.10
		11-12½	18		nil
		12½-15	30		9.10
	9'3"-12'6" - Chlorite sericite schist. Good bedding 60° to core axis. All with finely disseminated arsenopyrite. A little pyrite in more siliceous bands.	15-17½	30		nil
		17½-20	30		nil
		20-22½	30		nil
		22½-25	30		nil
		25-28	36		nil
12'6"-57'	Sediments quite uniform, dark almost black, schistose with a few garnets up to ¼". Finely banded appearance due to silicification. Fine disseminated arsenopyrite throughout but amount seems to decrease with distance.	28-31	36		nil
		31-34	36		3.85
		34-37	36		Tr.
		37-40	36		0.70
		40-43	36		0.70
		43-44	12		1.05
	43'-44' Dioritic dyke, fine to medium grained.	44-47	36		nil
		47-50	36		nil
	40'-57' Mineralization very weak.	50-53	36		nil
		53-57	48		0.35
	End of hole 57'				

Average value 2½ -7' $7.20/4.5' or 3.9' true width.

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. X-2

Place Surface Location 5002.2 N. Direction S 25 E Date Sept 1953

Elev. 4999.6 6987.6 E. Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
0-12½	Graywacke sheared, dark grey to brown medium grained,	0-2½	30"		nil
12½-17	Sediments-altered graywacke-. silification and mineralization increasing rapidly	2½-5	30		nil
		5-7	24		nil
		7-8	12		nil
17-42	Very siliceous. Mineralization not too plentiful to 16½ and mostly pyrite.	8-10	24		nil
	Well mineralized thereafter.	10-12	24		nil
	22½-23½ - Diorite dyke; medium grain.	12-14½	30		1.40
	A few darker sections around 25, 29	14½-16½	24		3.15
	31 and 33.	16½-18½	24		2.45
	27-28 - resembles acid altered dyke.	18½-20½	24		6.65
	33-35'8" - fine grained dark dyke.	20½-22½	24		3.85
42-77	Dark type sediments finely banded	22½-23½	12		nil
	and sheared. Arsenopyrite is very	23½-25	18		6.65
	finely disseminated throughout.	25-26	12		3.50
	Selective silification adds to	26-28	24		3.85
	banding. Best section is around 58'	28-30	24		5.60
	where rock is heavily silicified as	30-32½	30		3.85
	well as mineralized.	32½-35	30		3.15
	55½-56½ - Silicification amounts	35-35'9"	9		2.45
	almost to a vein with inclusions	35'9"-38	27		4.20
	epidote.	38-41	36		4.55
	67½-77 - Mineralization weakens rapidly.	41-42	12		3.50
		42-44	24		8.05
	End of hole 77'	44-46	24		5.55
		46-48	24		4.90
		48-50	24		4.90
	Average from 14½' to 60½'	50-51½	18		3.15
		51½-53½	24		4.55
	$4.63/46.0' or 39.9' true width.	53½-55½	24		7.70
		55½-56½	12		0.70
		56½-58½	24		9.45
		58½-60½	24		3.85
		60½-62½	24		2.80
		62½-65	30		nil
		65-67½	30		0.70
		67½-70	30		0.70
		70-73	36		nil
		73-77	48		nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. ..X-2.. Koval-Ohman Option

Place .Surface.. Location 5002.2 N.. Direction .S.25.E... Date .Sept.53.
Elev 4999.6 6987.6 E Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
0-12½	Graywacke sheared, dark grey to brown medium grained,	0-2½	30"		nil
12½-17	Sediments-altered graywacke-. Silicification and mineralization increasing rapidly.	2½-5	30		nil
		5-7	24		nil
		7-8	12		nil
17-42	Very siliceous. Mineralization not too plentiful to 16½ and mostly pyrite. Well mineralized thereafter.	8-10	24		nil
		10-12	24		nil
	22½-23½ - Diorite dyke; medium grain. A few darker sections around 25, 29 31 and 33.	12-14½	30		1.40
		14½-16½	24		3.15
		16½-18½	24		2.45
	27-28 - resembles acid altered dyke.	18½-20½	24		6.65
	33-35'8" - fine grained dark dyke.	20½-22½	24		3.85
42-77	Dark type sediments finely banded and sheared. Arsenopyrite is very finely disseminated throughout. Selective silicification adds to banding. Best section is around 58' where rock is heavily silicified as well as mineralized.	22½-23½	12		nil
		23½-25	18		6.65
		25.26	12		3.50
		26-28	24		3.85
		28-30	24		5.60
		30-32½	30		3.85
		32½-35	30		3.15
	55½-56½ - Silicification amounts almost to a vein with inclusions epidote.	35-35'9"	9		2.45
		35'9"-38	27		4.20
		38-41	36		4.55
	67½-77 - Mineralization weakens rapidly.	41-42	12		3.50
		42-44	24		8.05
	End of hole 77'	44-46	24		5.25
		46-48	24		4.90
		48-50	24		4.90
		50-51½	18		3.15
		51½-53½	24		4.55
		53½-55½	24		7.70
		55½-56½	12		0.70
	Average from 14½' to 60½'	56½-58½	24		9.45
		58½-60½	24		3.85
	$4.63/46.0' or 39.9' true width.	60½-62½	24		2.80
		62½-65	30		nil
		65-67½	30		0.70
		67½-70	30		0.70
		70-73	36		nil
		73-77	48		nil

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. X-3 Koval-Ohman Option

Place Surface Location 5021.4 N Direction S 24 E Date Sept 53

Elev 4999.8 7033.6 E Dip -30°

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
29262	¼" veinlet with arsenopyrite	4½-5	6"		1.75
63	Altered greywacke not much mineralization	5-7½	30		nil
64	Ditto	7½-10	30		.70
65	Ditto	10-12½	30		1.40
66	Dark sediments, mineralization increasing. Some arsenopyrite.	12½-15	30		nil
67	Ditto	15-17½	30		.35
68	Siliceous; well mineralized - mostly pyrite	17½-20	30		2.80
69	Ditto	20-22	24		.70
70	Ditto	22-24'7"	31		3.85
71	Dike	24'7"-25'10"	15		nil
72	Siliceous; well mineralized	25'10"-28	26		6.30
73	Ditto	28-30	24		9.10
74	Ditto	30-32	24		11.20
75	Ditto. Slightly darker	32-33	12		8.05
76	1/8" veinlet with several spots pyrite	33-34	12		18.90
77	Dark sediments. Still somewhat siliceous arsenopyrite	34-36	2 24		11.90
78	Dark sediments. Still considerable siliceous arsenopyrite. 10" dike	36-38	24		7.00
79	Ditto. 1" vein with much arsenopyrite Less siliceous.	38-40	24		4.90
80	Ditto. 10" ground	40-42	24		1.05
81	Ditto	42-44½	30		1.05
82	Ditto	44½-47	30		4.20
83	Dark sediments. Stringers and veinlet. Arsenopyrite.	47-49½	30		12.60
84	Ditto	49½-52	30		14.70
85	Ditto	52-54½	30		5.25
86	Ditto	54½-57	30		4.90
87	Ditto	-59½	30		10.50
88	Ditto	59½-62	30		9.45
89	Ditto	62-64½	30		12.60
90	Ditto	64½-67	30		20.65
91	Green sediments. Fair arsenopyrite	67-69½	30		8.75
92	Ditto	69½-72	30		11.20
93	Ditto	72-74½	30		11.55
94	Ditto	74½-77	30		.35
95	Ditto	77-79	24		.35

From 28' to 74½' average value = $9.20/48.6' or 42.2' true width.

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. X-3 ..... Koval-Ohman Option

Place Surface ..... Location 5021.4 N ..... Direction S 24 E ...../ Date Sept 53

Elev 4999.8 7033.6 E Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29262	¼" veinlet with arsenopyrite	4½-5	6"		1.75
63	Altered greywacke not much mineralization	5-7½	30"		nil
64	Ditto	7½-10	30"		.70
65	Ditto	10-12½	30"		1.40
66	Dark sediments, mineralization increasing. Some arsenopyrite.	12½-15	30"		nil
67	Ditto	15-17½	30"		.35
68	Siliceous; well mineralized - mostly pyrite	17½-20	30"		2.80
69	Ditto	20-22	24"		.70
70	Ditto	22-24'7"	31"		3.85
71	Dike	24'7"-25'10"	15"		nil
72	Siliceous; well mineralized	25'10"-28	26"		6.30
73	Ditto	28-30	24"		9.10
74	Ditto	30-32	24"		11.20
75	Ditto. Slightly darker	32-33	12"		8.05
76	1/8" veinlet with several spots pyrite	33-34	12"		18.90
77	Dark sediments. Still somewhat siliceous arsenopyrite	34-36	24"		11.90
78	Dark sediments. Still considerable siliceous arsenopyrite. 10" dike	36-38	24"		7.00
79	Ditto. 1" vein with much arsenopyrite Less siliceous.	38-40	24"		4.90
80	Ditto. 10" ground	40-42	24"		1.05
81	Ditto	42-44½	30"		1.05
82	Ditto	44½-47	30"		4.20
83	Dark sediments. Stringers and veinlet. Arsenopyrite.	47-49½	30"		12.60
84	Ditto	49½-52	30"		14.70
85	Ditto	52-54½	30"		5.25
86	Ditto	54½-57	30"		4.90
87	Ditto	57-59½	30"		10.50
88	Ditto	59½-62	30"		9.45
89	Ditto	62-64½	30"		12.60
90	Ditto	64½-67	30"		20.65
91	Green sediments. Fair arsenopyrite	67-69½	30"		8.75
92	Ditto	69½-72	30"		11.20
93	Ditto	72-74½	30"		11.55
94	Ditto	74½-77	30"		.35
95	Ditto	77-79	24"		.35

From 28' to 74½' average value = $9.20 ∮ 48.6' or 42.2' true width.

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. ~~1~~-3.cont.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
0-5½"	Graywacke: very little alteration. Fine banding.				
	3'2"-3'10" Diortic dike; medium grain .				
	4½' ¼" veinlet with much arsenopyrite 30° to core axes.				
5½'-17½'	Sediments (origionally graywacke) Alteration and mineralization increasing.				
17½'-34'	Siliceous sediments; (siliceous sericite schist) Well mineralized, - mostly pyrite; a little pyrrhotite and arsenopyrite.				
	24'7" - 25'10" Diortic dike as in trench.				
34'-67½'	Dark sediments. First 5' still fairly siliceous. Grades into the darker type sediments with arsenopyrite the dominant supphide. Stringers and veinlets more common than in other holes.				
	38'2"-38' Dark, fine grain dike.				
	38'5" 1½" quartz with menium grained arsenopyrite . 42' About 10" ground near here.				
67½-79'	Sediments: generally greenish in color with streaks and narrow bands of the darker sediments above. Still fairly well mineralized with arseno-pyrite.				
	68½'-69½' Diortic dike. Percentage of dark bands higher from 76'.				
	End of hole 79'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

5019.83 N.
7127.81 E.

Hole No. D.D. X-4.... Koval-Ohman Option

Place Surface..... Location Trench 3E.. Direction N.33.W.... Date Sept.53..
Dip -30° Elev 4998.5

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
		0-2'6"	30"		0.70
0-7'8"	Dark sediments - garnets of various	2'6"-5'	30		2.10
	sizes prominent. Mineralization inores-	5'-7'8"	32"		1.40
	ases from 2½' to contact with siliceous	7'82-10'	26"		10.15
	sediments.Arsenopyrite, pyrrhotite	10-13'	36		4.55
	and pyrite present with arsenopyrite	13'-14'1"	13		nil
	prominent near contact.	14'1"-16'	23"		3.15
7'8"-17'6"	Siliceous sediments. Abundant	16' - 18'	24		5.25
	pyrite with some arsenopyrite and pyrrhotite.				
	Tourmaline crystals common.	18' - 20'	24		nil
	13'-14'1" - Dioritic dyke.	20' - 22'	24		4.20
17'6"-22'	Dark sediment, similar to those in	22'-24'6"	30		2.80
	hanging wall including mineralization	24'6"-27'	30		0.70
	and alteration.				
22'-27'	Siliceous sediments well mineralized with arsenopyrite and pyrite.				

End of hole. 27'

7'8" - 24'6" averaged $4.05, 16.10" core length
11.4' true width

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. X-5.... Koval-Ohman Option
5029.0 N.
Place Surface.. Location 7057.6 E. Direction S 24 E. Date October 1953
4999.3 Elev.
Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29308	Dark. Not much mineralization	0-2'	24"		nil
09	Ditto 6" dike	2-5	36"		nil
10	Ditto	5-7½	30"		nil
11	Dark	7½-8½	12"		nil
12	Siliceous chlorite. Fairly well mineralized.	8½-11	30"		1.05
13	Siliceous sediment. Well mineralized	11-12	12"		2.10
14	Dark, micaceous.	12-14½	30"		nil
15	Ditto	14½-17	30"		nil
16	Quartz	17-18'9"	21"		nil
17	Silicious	18'9"-21	27"		nil
18	Siliceous. Some dark	21'-23½	30"		4.90
19	Dyke	23½-25	18"		nil
20	Siliceous	25- 27½	30"		7.70
21	Ditto	27½-30½	36"		3.85
22	Dark	30½-33	30"		14.35
23	Ditto	33-35½	30"		2.45
24	Ditto	35½-38	30"		6.65
25	Ditto	38-41	36"		2.80
26	Ditto	41-43½	30"		.35
27	Ditto	43½-46	30"		nil
28	Ditto	46-48½	30"		nil
29	Ditto	48½-51	30"		1.05
30	Ditto	51-54	36"		2.45
31	Quartz carbonate	54-57	36"		nil
32	Dark sediment	57-60	36"		.35
33	Ditto	60-62½	30"		.70
34	Ditto Harder. Very well mineralized	62½-65	30"		.70
35	Ditto	65-67½	30"		2.80
36	Ditto. Well mineralized	67½-70	30"		8.40
37	Greenish type. Well mineralized	70-72½	30"		9.45
38	Ditto	72½-75	30"		8.40
39	Ditto	75-78½	42"		nil
29401	Ditto	78½-81	30"		nil
02	Ditto	81-84	36"		nil

From	To	Value	Core Length	True Width
21.0	41.0	$5.60	20.0	17.3
65.0	75.0	7.35	10.0	8.7

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. X-5 cont.

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
0-8½	Dark sediments. Narrow (1/8") bands with the normal altered graywacke. Not much mineralization 3½'-4' acid dioritic dike.				
8½-12	Siliceous sediments but more chlorite than in previous holes. Mineralization (pyrite) increasing rapidly.				
12-17	Dark sediment. Much mica. Fair satisfaction and quite well mineralized.				
17-18'9"	Siliceous sediments. Well mineralized, mostly pyrite. A dark band of 8" at 23.				
30'6"-70'	Dark type sediments. Possibly less arsenopyrite than in X-3. Still quite well mineralized. 54' -57' Quartz carbonate vein. Many inclusions. Some mineralization.				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. 6 ..... Koval-Ohman Option
5035.5N

Place Surface Location 7081.8E Direction S 23 E Date Oct. 1953

Elev. 5001.9 Dip - 30°

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
29403	Dark	0-4'	48"		nil
04	Ditto	4'-7½"	42"		nil
05	Slaty-Siliceous	7½'-11"	42"		2.45
06	Dark	11'-13½"	30"		nil
07	Ditto	13½'-16	30"		1.40
08	Quartz veining in contact zone between Siliceous and dark	16'-18"	24"		nil
09	Siliceous Well mineralized. Still contact zone	18'-20"	24"		nil
10	Siliceous Well mineralized	20'-21'6"	18"		.70
11	Dyke	21'6"-22'6"	12"		nil
12	Siliceous well mineralized	22'6"-25'	30"		7.70
13	Ditto	25'-27½	30"		8.40
14	Ditto	27½'-30	30"		14.35
15	Ditto	30'-31'2"	14"		9.45
16	Dark Fair	31'2"-34'	34"		3.15
17	Ditto	34'-36½'	30"		nil
18	Ditto	36½'-39'8"	38"		.70
19	8" dike rest dark sediment. Nor much mineralized	39'8"-42'	28"		nil
20	Dark	42'-45'	36"		.70
21	Ditto	45'-48'	36"		1.05
22	Ditto	48'-51'	36"		.70
23	Ditto	51'-54'	36"		nil
24	Ditto	54'-56½'	30"		nil
25	Ditto	56½'-59'	30"		nil
26	Ditto and 12" dike	59'-61½'	30"		1.05
27	Green type with Veinlets	61½'-64'	30"		10.50
28	Ditto	64'-66½'	30"		8.05
29	Greenish type	66½'-69'	30"		nil
30	Ditto	69'-72'	36"		nil

From	To	Value	Core Length	True Width
22.5	34.0	$8.35	11.5	10.0
61.5	66.5	9.25	5.0	4.3

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. -6.... 5035.5' N
708148' E

Place Surface..... Location ..... Direction S23°E..... Date October 1953

Elev 5001.9' Dip -30° - 30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29403	Dark	0-4'	48"		Nil
04	Ditto	4'-7½"	42"		Nil
05	Slaty-Siliceous	7½'-11	42"		2.45
06	Dark	11'-13½	30"		Nil
07	Ditto	13½'-16	30"		1.40
08	Quartz veining in contact zone between Siliceous and dark	16'-18"	24"		Nil
09	Siliceous Well mineralized, Still contact zone	18'-20"	24"		Nil
10	Siliceous Well mineralized	20'-21'6"	18"		.70
11	Dyke	21'6"-22'6"	12"		Nil
12	Siliceous well mineralized	22'6"-25'	30"		3.70
13	Ditto	25'-27½	30"		3.40
14	Ditto	27½'-30	30"		14.35
15	Ditto	30'-31'2"	14"		9.45
16	Dark Wair	31'2"-34'	24"		3.15
17	Ditto	34'-36½'	30"		Nil
18	Ditto	36½'-39'8"	38"		.70
19	8" like rest dark sediment. Nor much mineralized	39'8"-42'	28"		Nil
20	Dark	42'-45'	36"		.70
21	Ditto	45'-48'	36"		1.05
22	Ditto	49'-51'	36"		.70
23	Ditto	51'-54'	36"		Nil
24	Ditto	54'-56½'	30"		Nil
25	Ditto	56½'-59'	30"		Nil
26	Ditto and 12" dike	59'-61½'	30"		1.05
27	Green type with Veinlets	61½'-64'	30"		10.50
28	Ditto	64'-66½'	30"		8.05
29	Greenish type	66½'-69'	30"		Nil
30	Ditto	69'-72'	36"		Nil

From	To	Value	Core Length	True Width
22 22.5	34.0	$8.35	11.5	10.0
61 61.5	66.5	9.25	5.0	4.3

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Hole No. D.D. X-6

Place ..... Location. ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
0-7½'	Sediment-Very dark Silightly mineralized.				
7½'-11'	semi siliceous slaty				
11'-16'	Dark sediments-Some fine arsenopyrite				
16'-31'2"	Siliceous zone-well mineralized pyrite-pyrrhotite some arsenopyrite pyrite and odd spots of chalcopyrite 21½'-22' Dyke				
31'2"	Dark sediments-narrow veinlets to 39'. Mineralization also dies rapidly after 39'. 39'8"-40' dyke. A few local short sections fairly well mineralized.				
60½'-61'	dyke, dioritic				
61½'-72'	Green type sediment. Many veinlets up to 1½" in width. Both rock and veinlets quite well mineralized to 66'				
	END OF HOLE 72'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D. ..7-6...

Place ..... Location ..... Direction ..... Date .....

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
0-7½'	Sediment-Very dark Silightly mineralized.				
7½'-11'	Semi siliceous slaty				
11'-16'	Dark sediments-Some fine arsenopyrite				
16'-31'2"	Siliceous zone-well mineralized Pyrite-Pyrrhotites some arsenopyrite pyrite and odd spots of chalcopyrite 21½'-22½' Dyke				
31'2"	Dark Sediments-narrow veinlets to 39'. Mineralization also dies rapidly after 39'. 39'8"-40' Dyke. A few local short sections fairly well mineralized.				
60½'-61½'	Dyke, dioritic				
61½'-72'	Green type sediment. Many veinlets up to 1½" in width. Both rock and veinlets quite well mineralized to 66'				
	End of Hole 72'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT

Koval-Ohman Option

Hole No. D.D. X-7

Place Surface Location 6941.5E 4982.5 N Direction S 23 E Date Oct. 19/53

Elev. 5000.3 Dip -30°

Sample No.	Description	Footage	Width	Assay Qz.	Assay Value
29377	Dark	1'2"-4'6"	40"		nil
78	Siliceous	4'6"-7'6"	36"		2.10
79	Ditto	7'6"-10'6"	36"		3.15
80	Ditto	10'6"-13'	30"		1.40
81	Siliceous	13'-16'	36"		4.90
82	Dyke	16'-17'5"	17"		nil
83	Siliceous, Well mineralized	17'5"-20'	31"		3.85
84	Ditto	20'-22½"	30"		5.25
85	Ditto	22½'-25'	30"		4.55
86	Ditto	25'-20½'	42"		2.80
87	Ditto	20½'-31½'	36"		2.10
88	Ditto	31½'-34½'	36"		2.10
89	Dark. Well mineralized	34½'-37'	30"		nil
90	Chlorite schist	37'-39'	24"		1.40
91	Dark heavily altered Well mineralized	39'-42'	3-"		2.45
92	Dark	42'-44'6"	30"		5.25
93	Ditto	44'6"-47'	30"		.70
94	Ditto	47'-50'	36"		1.05
95	Ditto	50'-53'	36"		nil
96	Ditto	53'-56'	36"		nil
97	Ditto	56'-59½'	42"		nil

0'-0'2" Graywacke

0'2"-1'2" Dioritic dike

1'2"-4'6" Dark sediments some arsenopyrite and pyrite

4'6"-35' Siliceous type biotite in thin streaks prominent. Fair pyrite mineralized. From 14' all well mineralized mostly pyrite but some arsenopyrite Graphite 16'-17'5". Dike dioritic.

35'-37' Dark sediment, Heavily altered and well mineralized.

37'-39' Chlorite schist. Not well mineralized

42'-59'6" Dark sediments normal mineralization descreasing rapidly.

END OF HOLE 59'6"

From	To	Value	Core Length	True Width
13.0	20.5	$3.80	15.5	13.4

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Koval-Ohamn Option

Hole No. D.D. .7... 6941.5 E

Surface 4982.5 N S 23 E October 19 53

Place ..... Location ..... Direction ..... Date .....

Elev. 5000.33 Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29377					
	Dark	1'2"-4'6"	40"		Nil
78	Siliceous	4'6"-7'6"	36"		2.10
79	Ditto	7'6"-10'6"	36"		3.15
80	Ditto	10'6"-13'	30"		1.40
81	Siliceous	13'-16'	36"		4.90
82	Dyke.	16'-17'5"	17"		Nil
83	Siliceous. Well mineralized	17'5"-20'	31"		3.85
84	Ditto	20'-22½"	30"		5.25
85	Ditto	22½'-25'	30"		4.55
86	Ditto	25'-28½'	42"		2.80
87	Ditto	28½'-31½'	36"		2.10
88	Ditto	31½'-34½'	36"		2.10
89	Dark. Well Mineralized	34½'-37'	30"		Nil
90	Chlorite schist	37'-39'	24"		1.40
91	Dark heavily altered. Well mineralized.	39'-42'	36"		1.45
92	Dark	42'-44'6"	30"		5.25
93	Ditto	44'6"-47'	30"		.70
94	Ditto	47'-50'	36"		1.05
95	Ditto	50'-53'	36"		Nil
96	Ditto	53'-56'	36"		Nil
97	Ditto	56'-59½'	42"		Nil
0'-0'2"	Graywacke				
0'2"-1'2"	Dioritic like				
1'2"-4'6"	Dark sediments Some arsenopyrite and pyrite				
4'6"-35'	Siliceous type biotite in thin streaks prominent. Fair pyrite mineralized. From 14' all well mineralized mostly pyrite but some arsenopyrite Graphite 16'-17'5". Dike dioritic.				
35'-37'	Dark sediment. Heavily altered and well mineralized.				
37'-39'	Chlorite schist. Not well mineralized				
42'-59'6"	Dark sediments Normal mineralization increasing rapidly.				
	End of Hole 59'6"				

From	To	Value	Core Length	True Width
13.0	20.5	3.80	15.5	13.4

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. X-8... 4995.7' N 6963.3' E

Place Surface... Location ..... Direction S 23° E Date Oct 1953

Elev 5000.0' Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29450	Dark. Fair Mineralization.	6'-8"	24"		.70
51	Ditto	8'-10"	24"		nil
52	Ditto	10'-12"	24"		1.40
53	Siliceous. Well mineralized	12'-14½'	30"		5.25
54	Ditto	14½'-16'	18"		1.40
55	Ditto	16'-18½'	30"		2.80
56	Ditto	18½'-20½'	24"		3.85
57,	Dike?	20½'-22'	18"		nil
58	Siliceous well mineralized	22'-24'	24"		1.75
59	Ditto	24'-26'	24"		2.45
60	Ditto	26'-28'	24"		1.40
74	Siliceous	28'-30½'	30"		4.20
75	Ditto	30½'-33'	30"		5.60
76	Ditto	33'-35'	24"		3.50
77	Dike	35'-36'	12"		2.45
78,	Siliceous	36'-37½'	18"		2.80
79	Ditto	37½'-39'	18"		8.75
0-5	Ground 95%				
5-6	Dioritic Dike				
6-12	Dark Sediments becoming gradually more siliceous. Fairly well mineralized - pyrite mostly.				
12-39	Siliceous type but with considerable mica (brown) & All weal mineralized with pyrite.				
	20'-22' Dike? Uniform but altered and solicified and course sulphides.				
	35'-36' Dike?				
	Hole 39'				

From	To	Value	Core Length	True Width
12.02'	39.0'	$3.42	27.0	23.5

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. X-9... 4964.5 N

Place Surface... Location ... 6895.6 E Direction ... S 20 E Date October 1953

Elev 4999.3' Dip -30°-20'

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29609	Unaltered sediments.	0-1½'	18"		nil
10	Siliceous	1½-4'	30"		2.45
11	Ditto	4'-6½'	30"		4.55
12	Ditto	6½'-9'	30"		3.50
13	Ditto	9'-11½'	30"		3.15
14	Ditto	11½'-14'	30"		1.40
15	Ditto	14'-16'9"	33"		2.10
16	Dike	16'9"-18'	15"		1.05
17	Siliceous	18'-20½'	30"		2.10
18	Ditto	20½'-23'	30"		.70
19	Ditto	23'-25½'	30"		1.40
20	Ditto 8" dike	25½'-28'	39"		5.60
21	Ditto	28'-30½'	30"		5.60
22	Ditto	30½'-33'	30"		3.15
23	Ditto	33'-35½'	30"		4.90
24	Ditto	35½'-38'	30"		5.25
25	Ditto	38'-40'	24"		nil
26	Ditto chloritic	40'-42'	24"		.70
27	Ditto chloritic	42'-43½'	18"		nil
28	Dark arsenopyrite	43½'-45½'	24"		nil
29	Ditto	45½'-47½'	24"		nil
30	Ditto	47½'-50'	30"		.70
31	Ditto	50'-52'	24"		nil
32	Dark with green bands. Not well mineralized.	52'-54½'	30"		nil
33	Ditto	54½'-57'	30"		nil
0-1½	Sediments graywacke				
1½-43½	Siliceous, well mineralized pyrite predominant.				
	16'9" Dioritic				
	27'8" dike				
43½-57	Dark sediments. Well mineralized for first few feet then fading rapidly. Greenish bands all prominant 52'-57'				
	End of hole 57'				

From	To	Value	Core Length	True Width
1.5	38.0	$5.19	36.5	30.7

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. X-10 ..... 4951.0 N

Place Surface ..... Location 6847.5 E Direction S 20 E Date Oct 1953

Elev 5001.5' Dip -30° - 30

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29634	Dark	0'-3'	36"		nil
35	Siliceous and dark	3'-5½'	30"		nil
36	Ditto	5½'-8'	30"		2.45
37	Siliceous	8'-10'	24"		2.45
38	Siliceous, cherty. Graphite. Not well mineralized.	10'-12½'	30"		1.40
39	Ditto	12½'-15'	30"		.70
40	Ditto	15'-17'	24"		.35
41	Ditto	17'-19'	24"		1.40
42	Dike	19'-20'	12"		nil
43	Siliceous and chirty	20'-"22	24"		4.20
44	Ditto	22'-23½'	18"		1.05
45	Dike	23½'-24½'	12"		1.40
46	Ditto	24'8"-27'	28"		.70
47	Ditto	27'-30'	36"		2.80
48	Ditto 8" quartz and carbonate vein	30'-33'	36"		.70
49	Ditto	33'-36'	36"		.70
50	Dark Well mineralized	36'-38½'	30"		nil
51	Ditto	38½'-41'	30"		nil
52	Ditto	41'-44'	36"		nil
53	Dark	44'-46½'	30"		nil
54	Ditto	46½'-49'	30"		nil
55	Green	49'-52'	36"		nil
56	Ditto	52'-55'	36"		nil
57	Ditto	55'-59'	48"		.35
0-3	Dark sediments. Minor mineralization				
3-36	Siliceous type				
	3'-7' Some dark bands. Fair mineralization.				
	10'- Much buff chirty material with considerable graphite. Dioritic dikes 19'-20' and 23½' - 24'8"				
36'-4	Dark sediments. Well altered mineralization.				
44-49	Dark sediments with mineralization.				
49-59	Green banded type well mineralized.				
	End of hole 59'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. X-11 ..... 4934.1 N

Place Surface ..... Location 6801.7 E ..... Direction S 20 E ..... Date Oct 1953..

Elev 4999.3 Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29658	Dark	0-3'	36"		Nil
59	Ditto	3'-5½'	30"		Nil
60	Ditto	5½'-8'	30"		Nil
61	Silicious chloritic & dark	8'-10½'	30"		Nil
62	Ditto	10½'-13'	30"		1.40
63	Ditto	13'-15½'	30"		1.05
64	Ditto	15½'-18'	30"		2.10
65	Silicious	18'-20'8"	32"		9.80
66	Dike	20'8"-21'6"	10"		2.10
67	Siliceous	21'6"-24'	30"		7.00
68	Siliceous	24'-25'	12"		10.15
69	Dike	25'-26'1"	13"		2.45
70	Siliceous	26'1"-29'	35"		4.20
71	Dark, Well mineralized	29'-31½'	30"		5.60
72	Ditto	31½'-34'	30"		1.40
73	Ditto	34'-36½'	30"		Nil
74	Ditto	36½'-39'	30"		Nil
75	12" dark, 12" sericite-chlorite schist	39'-41'	24"		0.70
76	Senicite chlorite schist	41'-43½'	30"		1.05
77	Ditto	43½'-45½'	24"		Nil
78	Dark	45½'-48'	30"		Nil
79	Ditto	48'-50½'	30"		1.75
80	Ditto some green bands	50½'-54'	42"		Nil
81	Green	54'-57'	36"		Nil
82	Ditto	57'-60'	35"		0.70
83	Ditto	60'-64'	48"		0.35
84	Ditto	64'-68'	48"		Nil

X-11 0-8' Dark Sediment weakly mineralized

8'-18' Siliceous with chloritic and dark sections. Fairly well mineralized

18'-29' Siliceous type. Fair mineralized 20'8"-21'6" Dike 25'-26'1" Dike

29'-40' Dark sediments well altered with fair arsenopyrite with a little pyrite and pyrrhotite.

40'-45½' Sericite chloritе schist Light gray color. Weak fine pyrite

45½'-54' Dark type, fairly well mineralized for first feet.

54'-68' Green type ONly weakly mineralized End of Hole 68'

From	To	Value	Core Length	True Width
18.0				
18.0	31.5	$6.25	13.5	11.7

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. ~~1~~-15.. 4925.5 N

Place Surface ..... Location 6777.0 E Direction S 20 E ..... Date Oct 1953

Dip -39°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29916	Dark	5-8	36"		nil
17	Ditto	8-11	36"		nil
18	Siliceous	11-13½	30"		1.40
19	Ditto	13½-16	30"		2.80
20	Ditto	16-19	36"		1.40
21	Ditto	19-22	36"		3.85
22	Dike	22-23	12"		nil
23	Siliceous	23-25	24"		4.90
24	Siliceous and dark	25-27½	30"		2.45
25	Ditto Much pyrrhotite	27½-30	30"		nil
26	Ditto	30-32½	30"		3.15
27	Ditto	32½-35	30"		.70
28	Ditto	35-37	24"		1.05
29	Dark and siliceous. Well mineralized	37-38½	18"		2.10
30	Ditto	38½-40	18"		2.10
31	Dark and green	40-42½	30"		nil
32	Ditto	42½-45	30"		nil
0-11'	Dark sediments. Last few feet rairly well mineralized.				
11'-37'	Siliceous sediments 14'-14'7" Dike 22'-23' Dike In general mineralization is not heavyg.				
37'-40'	Dark and siliceous. Fair mineralization.				
40'-	Dark and green. Very little mineralization.				
	End of hole.				
-47	Dark or green				
47'-51'	Diortic Dike				
	End of hole 51'				

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. ~~1~~-16.. 4921.5 N

Place Surface.. Location 6763.5 E. Direction S.07 W. Date Oct. 1953.

Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
80933	Sericite and chlorite	15-17			1.05
34	Dark	17-20	36"		1.05
35	Ditto	20-22	24"		.70
36	Ditto	22-24	24"		1.40
37.	Dark; some siliceous, fairly weal mineralized.	24-26½	30"		2.80
38	Dark	26½-29	30"		nil
39	Ditto. Some sericite - chlorite shhist.	29-31'4"	28"		nil
40	Dike	31'4" -35'	44"		nil
41	Dark sericite. chlorite at start	35-37	24"		.35
42	Dark coarse arsenopyrite over contact	37-38½	18"		nil
43	Siliceous	38½-41	30"		.70
44	Ditto	41-44	36"		2.45
45	Ditto	44-46½	30"		1.40
46	Ditto Well mineralized pyrite	46½-49	30"		5.25
47	Ditto	49-51	24"		nil
48	Dark	51-53½	30"		.35
49	Ditto	53½-56	30"		nil
50	Green	56-59	36"		nil

0-38½' Dark sediments
15'-17' Sericite chlorite
17'-38½ Mineralization increasing but varried.
31'4"-35'

38½'-51' Siliceous sediments. Well mineralized from 46½' on.

51'-56' Dark sediments. Weak mineralization.

56'-70' Green. Hard and quite massive. Quite siliceous in sections.

End of hole 70'

PICKLE CROW GOLD MINES LTD.

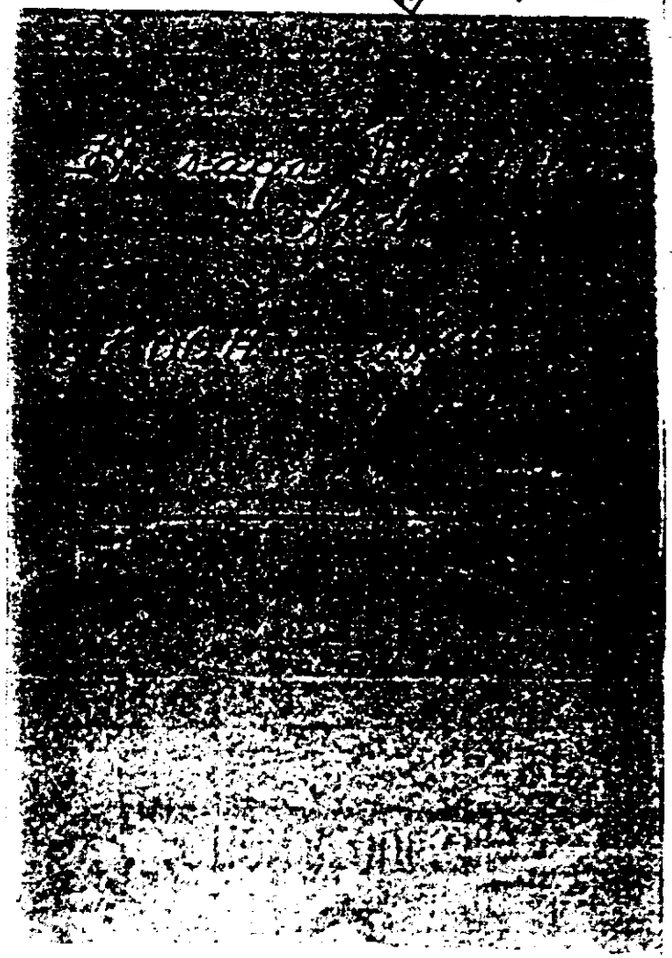
DIAMOND DRILL REPORT.
Koval-Ohman Option

Hole No. D.D. X-47.. 4923.5 N.
Surface 72.95.0 E N 20 W Oct 1953
Place ..... Location ..... Direction ..... Date .....
Dip -30°

Sample No.	Description	Footage	Width	Assay Oz.	Assay Value
29951	Dike	0-1½	18"		nil
52	Quartzitic. Well mineralized	1½-4	30"		.35
53	Ditto	4-6½	30"		3.85
54	Ditto	6½-9	30"		1.40
55	Ditto	9-11	24"		1.05
56	Ditto	11-13½	30"		3.15
57	Ditto	13½-16	30"		2.80
58	Ditto	16-18	24"		3.50
59	Ditto	18-20	24"		2.10
60	Dark gray and fine. Uniform	20-22½	30"		...70
61		22-25	36"		.70
62	Ditto	25-28	36"		nil
63	Ditto	28-31	36"		nil
64	Ditto	31-34	36"		nil
0-1½'	Dioritic dike				
1½'-20'	Grayquartzite; quite similar to C zone. Well mineralized with fine pyrite.				
20'-34'	Dark gray; fine grained uniform sediments. Some streaky mineralization. to end.				
	End of hole 34'				

HASAGA GOLD MINES LTD

87 DH 20,885.3' TOTAL

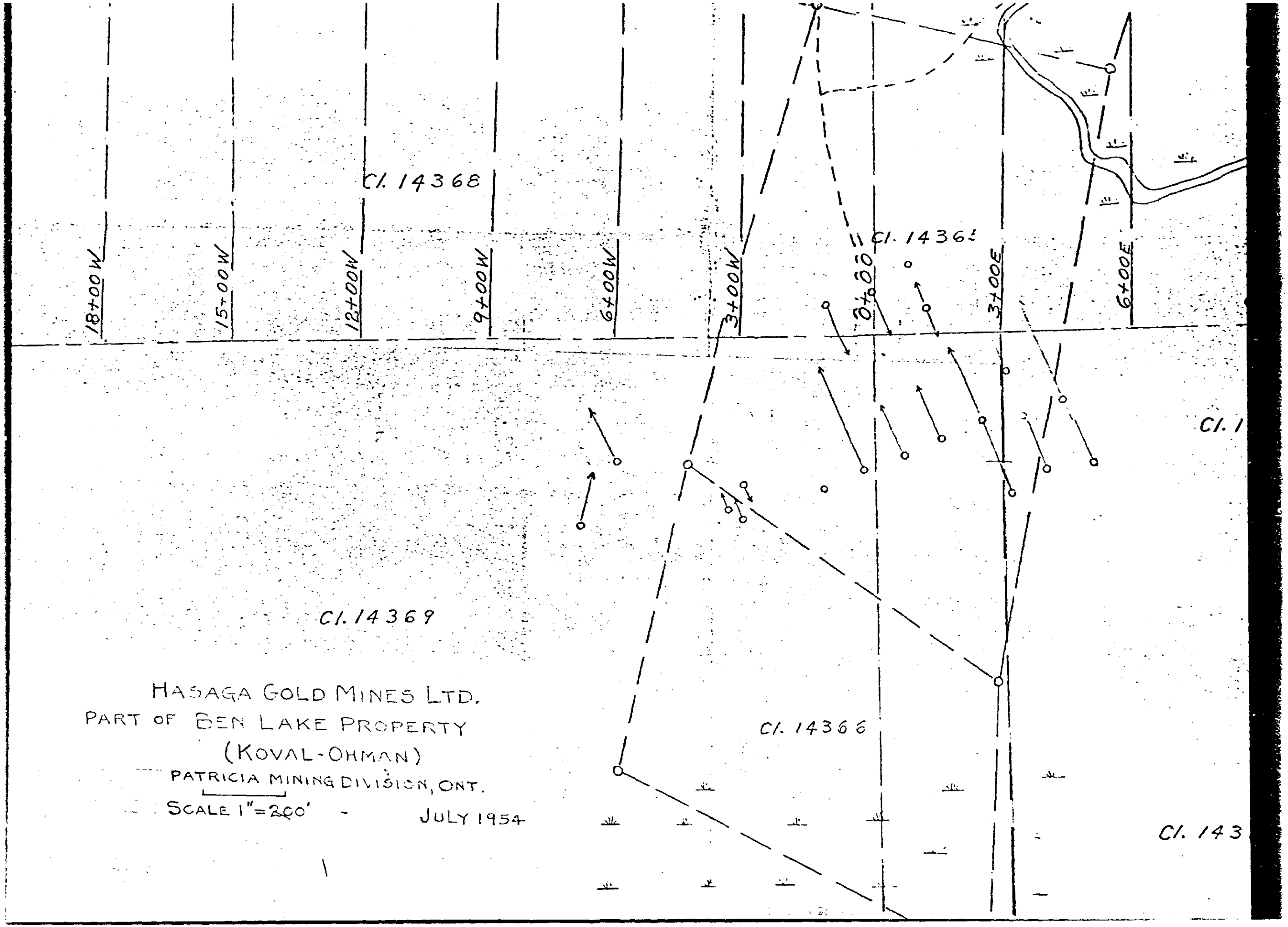


Hole #	Footage
E-1	279'
E-2	341'
E-3	300'
E-4	316'
E-5	389'
E-6	432'
E-7	424'
E-8	450'
E-9	637'
E-10	687'
E-11	681'
E-12	377'
E-13	246'
E-14	365'
E-15	399'
E-17	202'5"
E-18	346'
E-19	111'10"
E-20	219'
E-21	[illegible]
E-22	110'

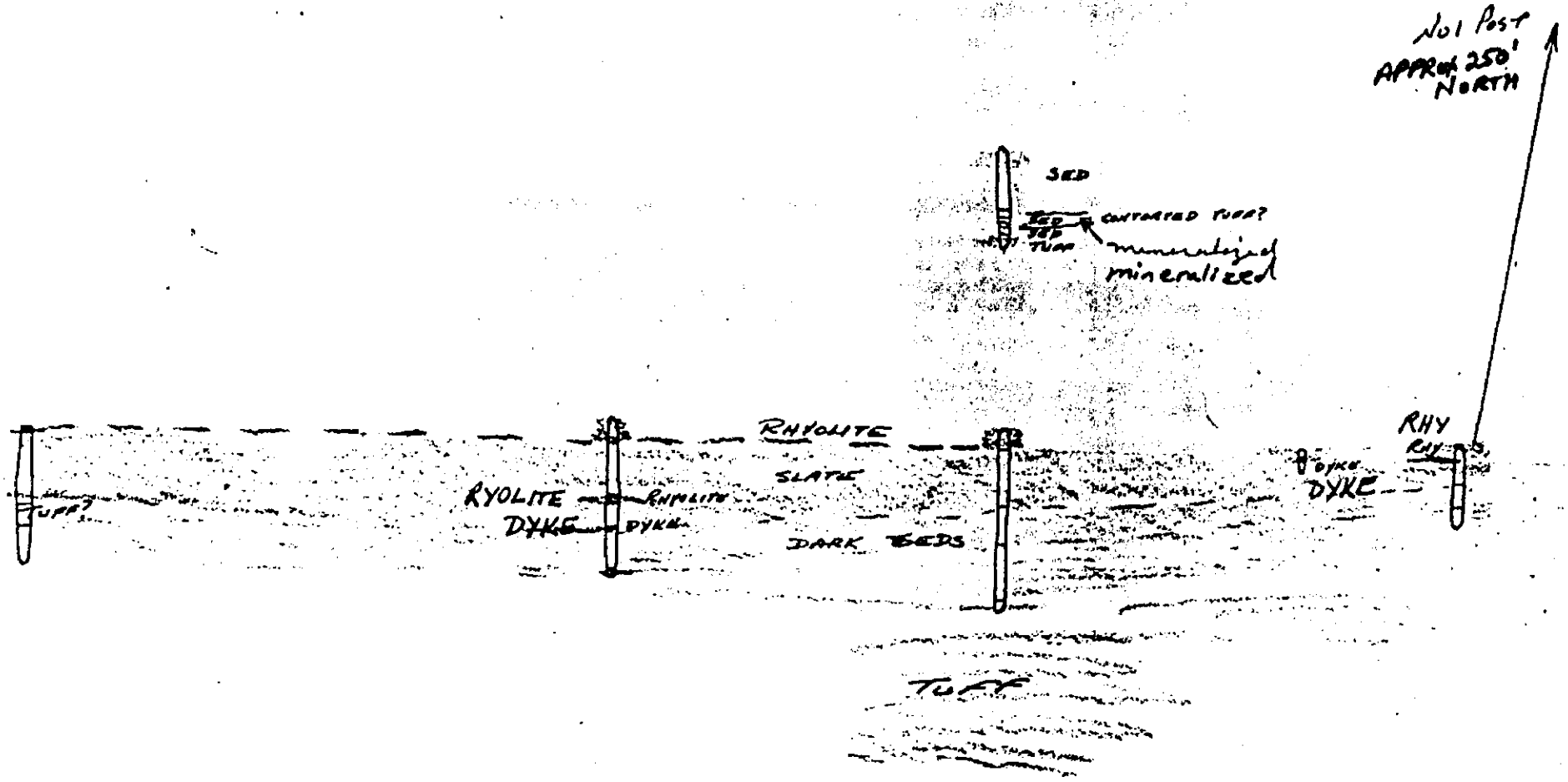
Hole #	Footage
E-23	100'
E-24	103'
E-25	45'
E-26	65'
E-27	119'
E-28	649'
E-29	117'
E-30	119'9"
E-31	125'
E-32	125'
E-33	652'
E-34	653'
E-35	505'
E-36	122'
E-37	56'
E-38	53'
E-39	50'
E-40	76'
E-41	[illegible]
E-42	[illegible]
E-43	91½'
E-44	372'

Hole #	Footage
E-45	339'
E-46	336'
E-47	750'
E-48	770'
E-49	741'
E-50	758'
E-51	62'
E-52	53'
E-53	54'7"
E-54	51'
E-55	44½'
E-56	60'
E-57	70'9"
E-58	75'8"
E-59	83'8"
E-60	121'
E-61	105½'
E-62	125'
E-63	88'
E-64	49N'
E-65	324'
E-66	281'

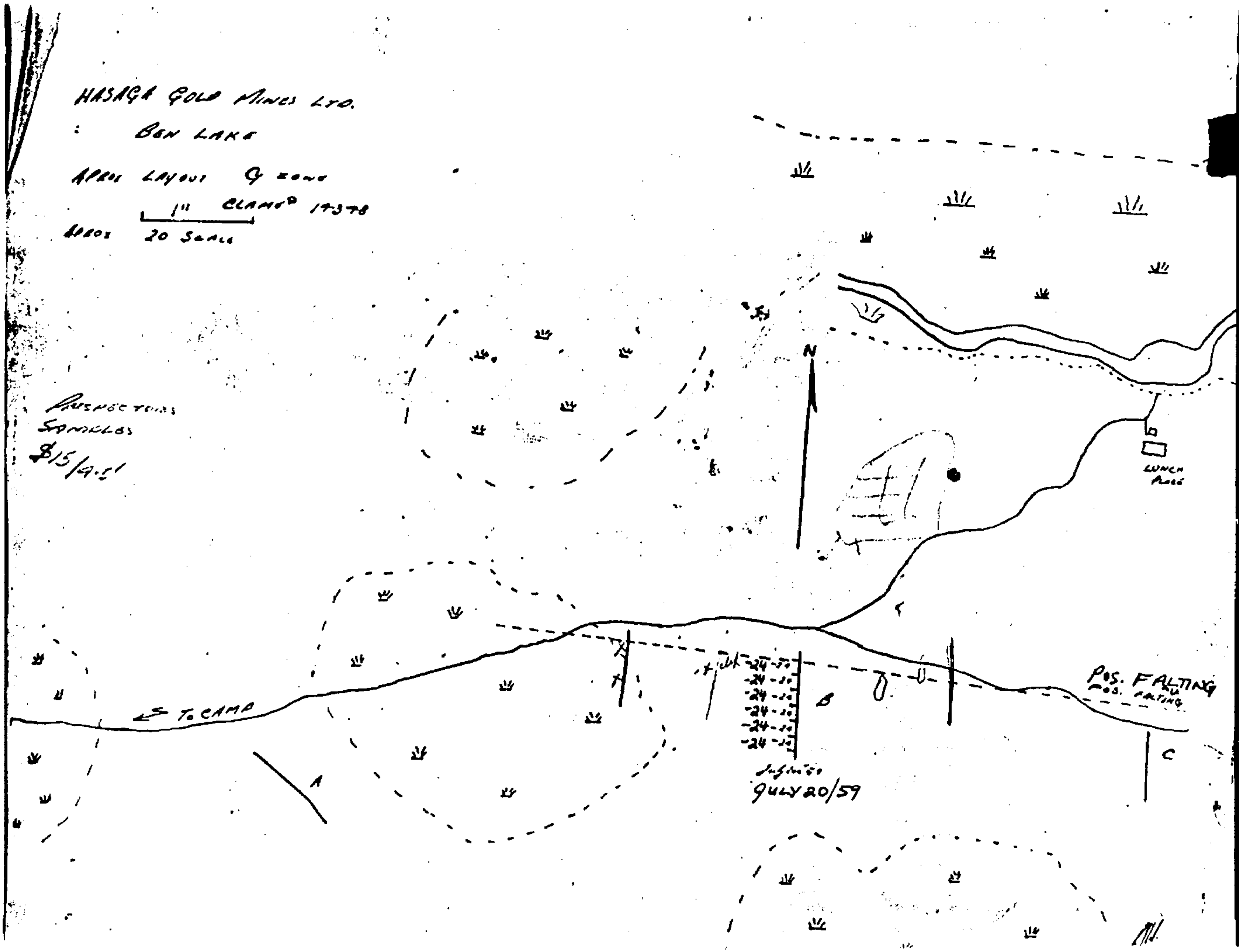
Hole #	Footage
E-67	288'
E68	299'
E-69	256'
E-70	464'
E-71	750'
X-1	57'
X-2	77'
X-3	79'
X-4	27'
X-5	84'
X-6	72'
X-7	54'6"
X-8	39'
X-9	57'
X-10	59'
X-11	68'
X-12	79'
X-13	51
X-14	67½
X-15	51'
X-16	70'
X-17	34'

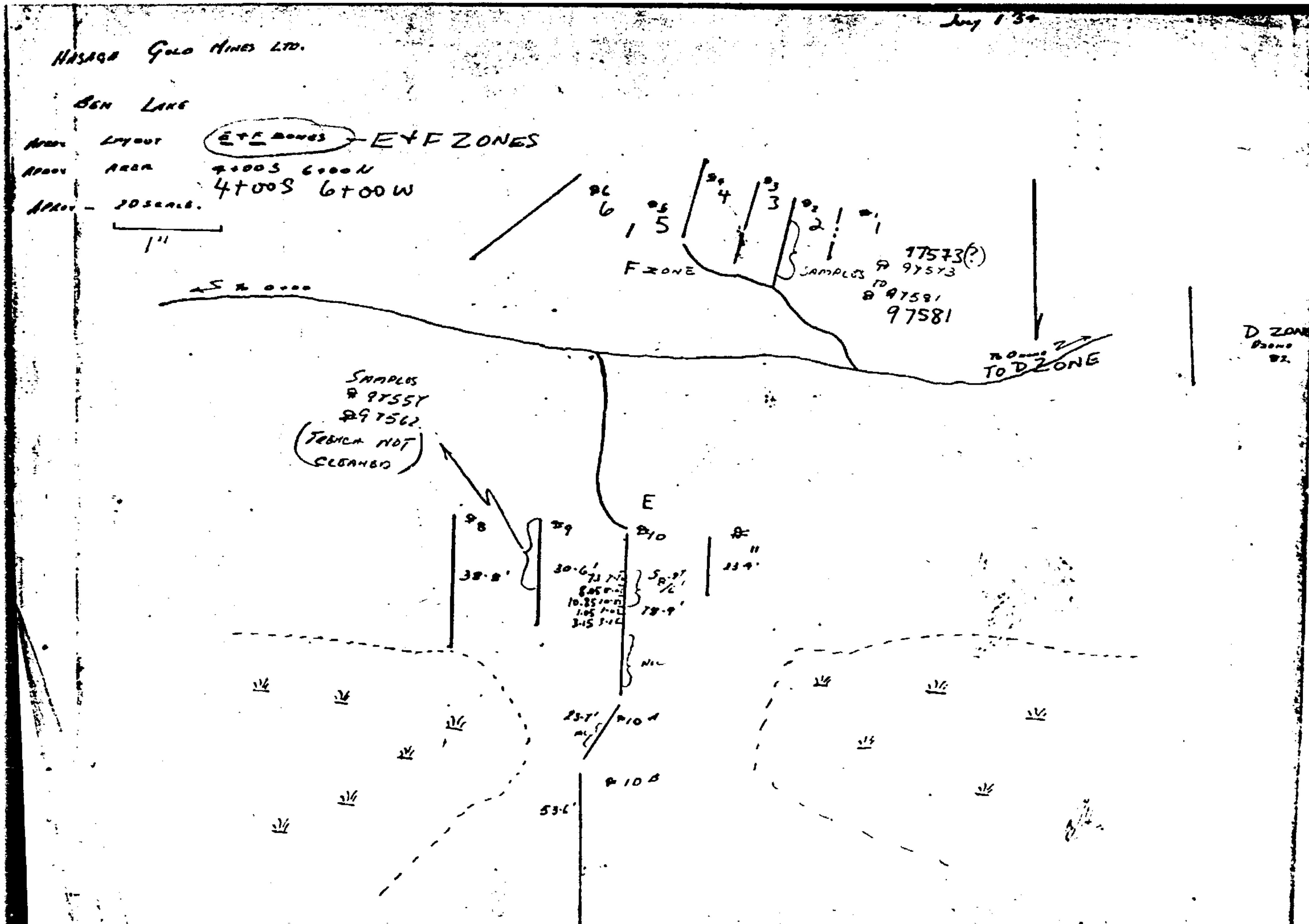


HASAGA GOLD MINES LTD.
PART OF BEN LAKE PROPERTY
(KOVAL-OHMAN)
PATRICIA MINING DIVISION, ONT.
SCALE 1"=200' - JULY 1954



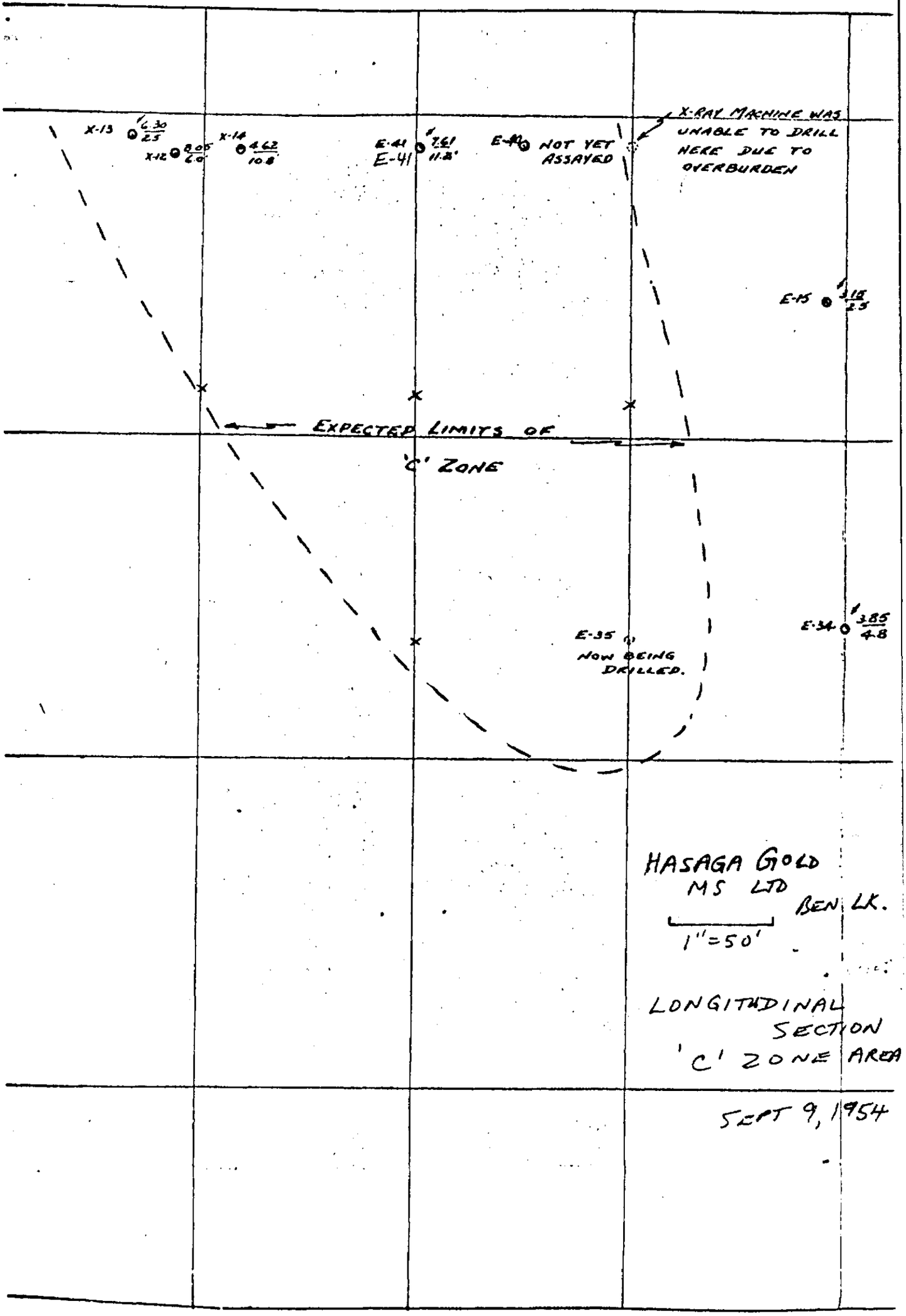
ZONE WEST OF
SWAMP ZONE
CLAIM 1437G


HASAGA GOLD MINES LTD.
BEN LAKE
APROX LAYOUT G ZONE
1"
CLAIM 14378
APROX 20 SCALE
N
LUNCH PLACE
TO CAMP
A
B
C
-24
-24
-24
-24
-24
-24
JULY 20/59
POS. FALTING
POS. FALTING



HASAGA GOLD MINES LTD.
BEN LAKE
E+F ZONES
4+00S 6+00W
1"
6
5
4
3
2
1
F ZONE
97573(?)
97581
TO D ZONE
D ZONE
SAMPLES
E

1/2



HASAGA GOLD
MS LTD

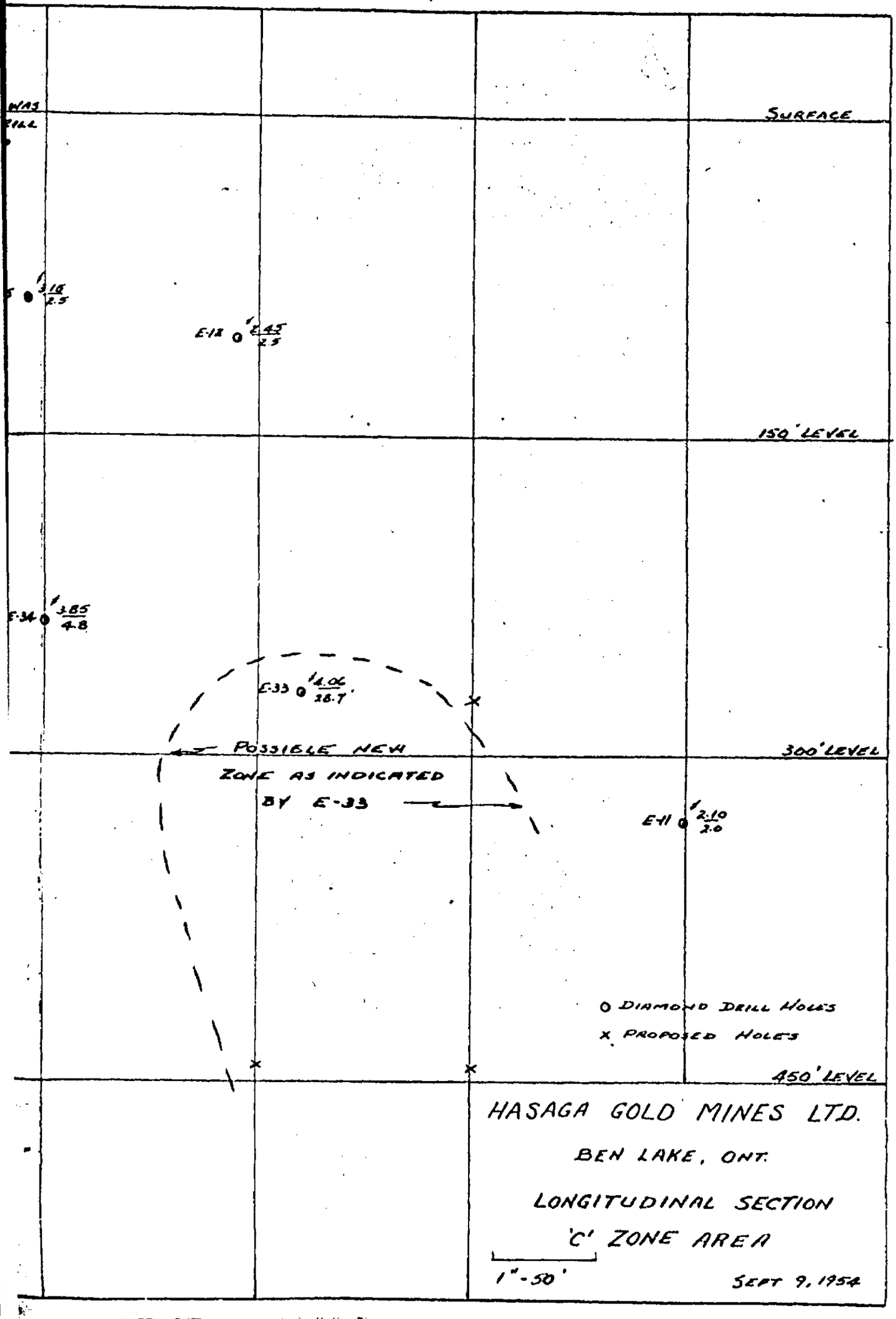
BEN LK.

1"=50'

LONGITUDINAL
SECTION
'C' ZONE AREA

SEPT 9, 1954

2/2



HASAGA GOLD MINES LTD.

BEN LAKE, ONT.

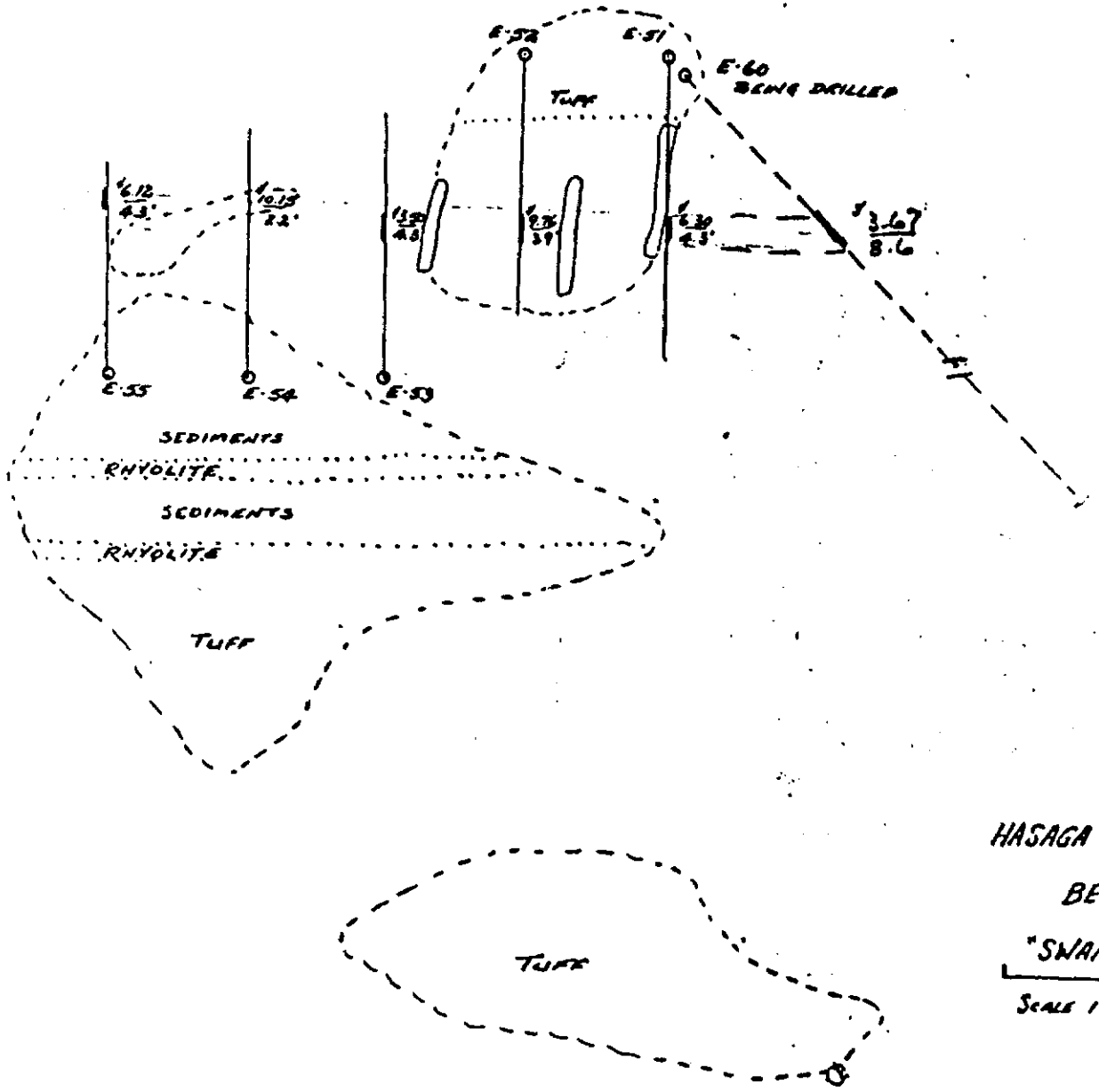
LONGITUDINAL SECTION

'C' ZONE AREA

1"-50'

SEPT 9, 1954

Au. $\frac{582}{4.6} \times 130'$



HASAGA GOLD MINES LTD

BEN LAKE

"SWAMP ZONE"

SCALE 1"=30' SEPT 21/54

FOR INTER-OFFICE CORRESPONDENCE ONLY. USE SEPARATE SHEET FOR EACH SUBJECT. OMIT ALL FORMALITIES.

TO Mr. Walter Maybank

FROM	DATE
D. M. Giachino	June 6th, 1961
SUBJECT: HASAGA -- KOVAL GROUP -- PATRICIA MINING DISTRICT, Ont.	FILE REFERENCE

Summary reports by:

A. G. Hattie	June 19, 1954
R. D. Mathieson	July 12, 1954
J. C. Stephen	Dec 21, 1954
G. H. Salton	Feb 8, 1958
Alex Watt	July 5, 1959

are all filed in a folder under "Hasaga" in our Toronto office.

Detailed maps and records have been assembled by Alex Watt and these are stored in the McKenzie Red Lake mine office vault.

The concensus of opinion seems to be that the gold-bearing zones explored to-date are too small and too low grade to be exploited commercially at the present time. However, an appreciable increase in the price of gold would warrant their re-appraisal.

On recommendation from Alex Watt, the original group of 45 claims was reduced to 28 central key claims and these were surveyed and patented in 1960.

When I visitsd McKenzie in February, I looked over the plans and sections and was favourably impressed with some of the results. Alex Watt will send us a couple of prints showing some of these better results.

In Alex Watt's report dated July 5, 1959 he recommended:

> "At some future date, a geological map should be made of the group, and if overburden conditions require it, a magnetometer survey to complete the geological map. This would be required to correlate previous drilling and provide guidance for future work."

DMG:pq

D. M. Giachino

cc: Mr. Alex Watt

McKENZIE RED LAKE GOLD MINES LIMITED

FOR INTER-OFFICE CORRESPONDENCE ONLY. USE SEPARATE SHEET FOR EACH SUBJECT. OMIT ALL FORMALITIES

TO

Mr. D. M. Giachino

FROM	DATE
Alex. Watt	July 9, 1961
SUBJECT	FILE REFERENCE
Hasaga - Koval Group - Patricia Mining District, Ont.	

Along with this memo are prints of various plans and sections, showing some of the better results obtained by the old Hasaga company in their earlier drilling.

Alex. Watt.

FOR INTER-OFFICE CORRESPONDENCE ONLY. USE SEPARATE SHEET FOR EACH SUBJECT. OMIT ALL FORMALITIES.

TO Mr. George Darling

FROM	DATE
D. M. Giachino	November 29th, 1961

SUBJECT	FILE REFERENCE
HASAGA -- Koval Group -- Patricia Mining District, Ontario	

At the request of Walter Maybank, I am forwarding the following maps and reports:

1. A roll of 13 prints as received from Alex Watt with his memo of July 9, 1961 comprising plans, cross-sections, and longitudinal sections of diamond drill results.

2. Copies of the following reports:

A. G. Hattie	-	June 19, 1954
R. D. Mathieson	-	July 12, 1954
J. C. Stephan	-	Dec 21, 1954
Alex Watt	-	July 5, 1959

3. Copy of my memo dated June 6, 1961.

- - - - - - - - - - - - - - - - -

The only copy of the report by G. H. Salton dated February 8, 1958 that we have in this office will be re-typed and a copy duly mailed to you.

If you require additional information concerning this group kindly get in touch with Alex Watt.

ORIGINAL SIGNED BY
D. M. GIACHINO
D. M. Giachino

DMG:pq

cc: Mr. W. Maybank
Mr. Alex Watt ← THIS COPY FOR

HASAGA GOLD MINES LTD. -(Koval-Ohman Option) Cont'd.

Assay Data:	1953-1954 - Accompanying DD Logs.	
Misc:	1961 - Correspondence.	
Plans:	1954 - Ben Lake Swamp Zone	1" = 30'
	1954 - Layout - E&F Zones	1" = 20'
	1954 - Property Loc. (Part)	1" = 200'
	Layout - G Zone	1" = 20'
	Zone west of Swamp Zone	"
Sections:	1954 - Long. Section 'C' Zone	1" = 50'

520/SE 520/2

HASAGA GOLD MINES LTD. - (Koval-Ohman Option)

Metals:	Au.
Location:	South of Ben Lake, 25 miles southwest of Pickle Lake & a few miles north of the central part of Lake St. Joseph.
Claims:	PA. 1435-PA. 14389.
Owners:	Messrs. Konrad Kival & Ohman, Hasaga Gold Mines Ltd. (Option).
Reports:	1954 - Hattie, A. G., short report of operations on Koval-Ohman ground. (Jun. 19)
	1954 - Mathieson, R. D., brief rept. (Jul. 12)
	1954 - Stephen, J. C., brief rept on operations. (Dec. 21)
	1958 - Salton, G. H., short rept. (Feb. 8)
	1959 - Watt, A., brief rept. (Jul. 5)
DDH	1953 - 20,885.3' in 87 holes.
	1954

FOR ADDITIONAL INFORMATION SEE MAPS:

520/107SE-0014 #1,2

CLAIM MAP - BEN LAKE AREA

SCALE: 1/4 MILE = 1 INCH

HASAGA 45 CLAIM GROUP IN RED

J.E. HAMMEL 63 CLAIM INTEREST IN BROWN

ALL OTHER CLAIMS ON THIS PLAN - STAKED BY OUTSIDE INTERESTS

"P" - CLAIMS PROSPECTED

AUG 27, 1954

★ 52 Ø/07SE-0014, #1

52O07SE9524 52O07SE14 CALEY LAKE

210